



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BBX-SE (ONE HEAD ONLY).IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] 2018091504  
 [TESTLAB]  
 [TESTDATE] 2018-09-15  
 [ISSUEDATE] 2018-09-19 18:47:03  
 [LAMPPOSITION] 0,0  
 [OTHER]  
 [MANUFAC] BEGHELLI  
 [LUMINAIRE]  
 [LAMP] BBX-SE (ONE HEAD ONLY)

Note: Candela values converted from Type-B to Type-C

### CHARACTERISTICS

Lumens Per Lamp	299.72 (1 lamp)
Total Lamp Lumens	299.72
Luminaire Lumens	309
Total Luminaire Efficiency	103 %
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	2.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.18
Spacing Criterion (Diagonal)	0.20
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.10 m (Diameter)
Luminous Width (90-270)	0.10 m (Diameter)
Luminous Height	0.00 m

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	761	785	761
55	730	665	795
65	972	702	931
75	1326	1085	891
85	1855	1581	563

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**CANDELA TABULATION**

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	4167.81	4136.41	4106.84	4079.10	4053.17	4029.02	4006.63	3986.00	3967.09	3936.59
<b>5.0</b>	3144.05	3104.72	3069.40	3037.94	3010.16	2981.80	2950.12	2921.67	2896.29	2851.17
<b>7.5</b>	1965.52	1933.47	1908.02	1886.19	1865.02	1845.68	1821.41	1803.84	1774.95	1748.16
<b>10.0</b>	735.41	724.32	721.73	722.97	729.18	740.28	753.33	767.47	771.43	770.55
<b>12.5</b>	584.63	570.73	557.41	541.31	525.86	510.54	497.80	474.44	453.62	430.93
<b>15.0</b>	433.85	422.97	412.25	399.66	388.85	375.63	359.87	342.41	324.46	308.98
<b>17.5</b>	283.06	277.11	272.55	267.73	261.01	252.01	242.64	232.56	219.43	211.34
<b>20.0</b>	132.28	133.10	138.22	140.97	141.93	143.21	145.04	140.83	138.55	135.77
<b>22.5</b>	103.71	103.72	106.99	105.45	103.21	103.22	99.85	95.34	91.16	87.64
<b>25.0</b>	75.14	75.26	77.42	76.33	75.21	75.06	71.95	68.85	66.34	63.67
<b>27.5</b>	46.57	46.74	47.99	47.74	48.09	47.80	46.25	45.19	44.63	42.21
<b>30.0</b>	18.00	18.05	18.95	19.80	21.37	22.39	23.06	23.83	24.20	24.78
<b>32.5</b>	15.60	15.44	15.59	15.22	15.27	14.56	14.17	13.14	12.49	11.64
<b>35.0</b>	13.20	13.08	13.23	12.94	12.91	12.20	11.80	11.06	10.44	9.92
<b>37.5</b>	10.80	10.72	10.84	10.67	10.58	10.10	9.55	9.14	8.57	8.36
<b>40.0</b>	8.40	8.36	8.43	8.38	8.23	8.05	7.65	7.34	7.06	6.88
<b>42.5</b>	6.00	6.00	6.05	6.09	6.07	5.98	5.85	5.68	5.64	5.50
<b>45.0</b>	4.06	4.07	4.10	4.13	4.14	4.16	4.16	4.21	4.32	4.35
<b>47.5</b>	3.49	3.49	3.49	3.48	3.47	3.49	3.47	3.43	3.48	3.53
<b>50.0</b>	3.38	3.37	3.37	3.37	3.37	3.43	3.38	3.33	3.32	3.30
<b>52.5</b>	3.27	3.26	3.26	3.26	3.28	3.36	3.28	3.24	3.23	3.21
<b>55.0</b>	3.16	3.15	3.14	3.14	3.19	3.29	3.19	3.15	3.14	3.11
<b>57.5</b>	3.04	3.03	3.03	3.03	3.13	3.21	3.08	3.05	3.04	2.99
<b>60.0</b>	2.93	2.91	2.91	2.92	3.08	3.13	2.97	2.96	2.96	2.89
<b>62.5</b>	3.02	3.00	2.99	2.99	3.13	3.12	2.99	2.95	2.93	2.83
<b>65.0</b>	3.10	3.09	3.09	3.09	3.19	3.15	3.05	3.02	3.00	2.92
<b>67.5</b>	3.18	3.18	3.18	3.18	3.23	3.19	3.12	3.08	3.04	3.01
<b>70.0</b>	3.27	3.27	3.27	3.26	3.26	3.23	3.18	3.14	3.12	3.10
<b>72.5</b>	2.93	2.93	2.94	2.95	2.96	2.96	2.94	2.93	2.96	3.00
<b>75.0</b>	2.59	2.59	2.59	2.60	2.61	2.61	2.59	2.59	2.63	2.65
<b>77.5</b>	2.24	2.24	2.25	2.25	2.26	2.25	2.24	2.24	2.27	2.29
<b>80.0</b>	1.90	1.90	1.91	1.91	1.91	1.91	1.90	1.90	1.92	1.94
<b>82.5</b>	1.56	1.56	1.56	1.57	1.57	1.56	1.55	1.56	1.58	1.58
<b>85.0</b>	1.22	1.22	1.22	1.22	1.23	1.22	1.21	1.22	1.23	1.23
<b>87.5</b>	0.87	0.87	0.87	0.87	0.88	0.88	0.87	0.87	0.88	0.88
<b>90.0</b>	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53

**Vert.  
Angles**

**Horizontal Angles**

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	3931.60	3912.96	3896.11	3881.03	3883.39	3856.21	3846.46	3838.50	3832.32	3827.94
<b>5.0</b>	2845.38	2813.26	2784.51	2759.10	2770.50	2709.76	2659.13	2612.59	2570.19	2532.02
<b>7.5</b>	1706.90	1651.96	1595.70	1539.21	1500.74	1461.28	1420.19	1381.71	1355.35	1328.17
<b>10.0</b>	766.42	759.90	745.54	743.31	734.20	721.52	710.13	694.57	676.57	663.57
<b>12.5</b>	410.79	393.33	376.41	360.10	346.33	340.57	350.33	352.18	347.50	341.14
<b>15.0</b>	293.75	278.71	269.43	261.84	252.73	243.77	238.84	234.21	230.79	227.49
<b>17.5</b>	202.73	196.72	190.14	184.01	178.03	176.52	172.31	168.90	166.26	164.91
<b>20.0</b>	133.49	130.59	127.54	125.20	122.72	119.88	117.73	117.13	117.84	120.09
<b>22.5</b>	83.93	78.99	77.29	76.21	74.57	74.36	75.73	78.08	81.45	84.34
<b>25.0</b>	60.06	56.57	52.09	47.01	43.41	40.59	41.60	45.71	48.88	50.65
<b>27.5</b>	40.26	37.38	34.30	32.15	30.41	28.89	27.89	26.50	25.76	26.72
<b>30.0</b>	23.69	22.78	22.03	21.28	20.82	20.19	19.73	19.14	18.29	17.63

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**CANDELA TABULATION - (Cont.)**

<b>32.5</b>	11.26	12.30	12.85	13.38	13.49	13.78	13.63	13.31	13.03	12.55
<b>35.0</b>	9.59	8.98	8.65	8.30	8.26	8.78	9.14	9.26	9.19	9.16
<b>37.5</b>	7.86	7.61	7.36	7.13	6.79	6.57	6.36	6.56	6.90	6.95
<b>40.0</b>	6.58	6.42	6.26	6.00	5.83	5.67	5.62	5.62	5.47	5.33
<b>42.5</b>	5.43	5.35	5.22	5.11	5.01	4.97	4.99	4.89	4.70	4.63
<b>45.0</b>	4.39	4.41	4.38	4.35	4.33	4.39	4.34	4.24	4.19	4.14
<b>47.5</b>	3.58	3.58	3.65	3.71	3.78	3.82	3.79	3.78	3.76	3.73
<b>50.0</b>	3.25	3.24	3.20	3.24	3.27	3.32	3.38	3.39	3.41	3.43
<b>52.5</b>	3.16	3.12	3.10	3.07	3.05	3.05	3.05	3.09	3.10	3.16
<b>55.0</b>	3.06	3.02	3.01	2.99	2.98	2.93	2.89	2.86	2.88	2.89
<b>57.5</b>	2.96	2.93	2.92	2.91	2.93	2.76	2.76	2.72	2.72	2.69
<b>60.0</b>	2.86	2.84	2.85	2.85	2.76	2.63	2.59	2.59	2.56	2.54
<b>62.5</b>	2.77	2.76	2.78	2.79	2.57	2.49	2.47	2.44	2.39	2.38
<b>65.0</b>	2.86	2.82	2.77	2.73	2.41	2.35	2.32	2.28	2.24	2.24
<b>67.5</b>	2.96	2.90	2.77	2.64	2.45	2.36	2.26	2.15	2.09	2.10
<b>70.0</b>	3.04	2.96	2.75	2.61	2.46	2.37	2.27	2.18	2.11	2.04
<b>72.5</b>	2.99	2.94	2.73	2.61	2.49	2.38	2.29	2.21	2.12	2.03
<b>75.0</b>	2.63	2.55	2.41	2.35	2.30	2.25	2.25	2.25	2.12	2.00
<b>77.5</b>	2.28	2.18	2.08	2.04	1.99	1.96	1.95	1.94	1.89	1.83
<b>80.0</b>	1.93	1.83	1.76	1.73	1.68	1.66	1.66	1.64	1.60	1.57
<b>82.5</b>	1.58	1.49	1.45	1.42	1.38	1.36	1.37	1.35	1.32	1.30
<b>85.0</b>	1.24	1.17	1.14	1.12	1.09	1.07	1.08	1.06	1.04	1.03
<b>87.5</b>	0.89	0.84	0.82	0.81	0.79	0.79	0.79	0.78	0.77	0.76
<b>90.0</b>	0.54	0.52	0.51	0.51	0.50	0.50	0.50	0.50	0.50	0.50

**Vert. Angles**      **Horizontal Angles**

	<b>50.0</b>	<b>52.5</b>	<b>55.0</b>	<b>57.5</b>	<b>60.0</b>	<b>62.5</b>	<b>65.0</b>	<b>67.5</b>	<b>70.0</b>	<b>72.5</b>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	3792.61	3818.08	3828.25	3834.91	3843.75	3854.77	3867.92	3883.18	3900.52	3919.90
<b>5.0</b>	2498.16	2448.89	2445.28	2425.24	2407.94	2393.63	2382.57	2375.07	2371.44	2372.03
<b>7.5</b>	1300.26	1252.44	1250.43	1238.61	1213.38	1194.95	1177.62	1134.57	1151.87	1150.36
<b>10.0</b>	646.81	611.50	608.91	593.13	576.96	560.70	547.30	540.98	535.66	530.38
<b>12.5</b>	335.17	325.27	319.96	317.90	315.41	312.26	308.17	303.93	299.71	289.83
<b>15.0</b>	225.32	222.64	220.12	217.84	213.65	214.14	213.56	212.74	211.86	211.86
<b>17.5</b>	164.70	166.01	168.16	168.99	168.45	168.21	167.45	166.61	166.67	166.82
<b>20.0</b>	122.80	126.52	129.25	130.77	131.04	128.59	126.55	125.66	124.96	124.39
<b>22.5</b>	86.30	85.89	85.57	85.65	81.82	75.41	69.92	67.63	67.39	67.69
<b>25.0</b>	52.53	50.51	46.62	42.40	40.24	38.81	38.10	37.15	37.06	36.77
<b>27.5</b>	27.22	26.76	26.37	25.46	25.39	24.89	24.50	24.21	24.22	23.74
<b>30.0</b>	16.89	16.77	16.87	16.59	16.69	16.56	16.22	16.23	16.04	15.94
<b>32.5</b>	12.10	11.58	11.14	11.23	11.43	11.36	11.18	11.00	10.82	10.66
<b>35.0</b>	8.94	8.71	8.49	8.08	8.04	8.04	7.97	7.84	7.81	7.75
<b>37.5</b>	6.85	6.69	6.50	6.40	6.29	6.32	6.33	6.30	6.24	6.25
<b>40.0</b>	5.40	5.40	5.36	5.37	5.37	5.40	5.38	5.35	5.32	5.27
<b>42.5</b>	4.55	4.54	4.63	4.72	4.72	4.69	4.63	4.60	4.56	4.54
<b>45.0</b>	4.07	4.12	4.15	4.16	4.14	4.12	4.05	3.97	4.02	4.07
<b>47.5</b>	3.77	3.78	3.76	3.73	3.73	3.70	3.73	3.78	3.78	3.79
<b>50.0</b>	3.45	3.44	3.44	3.44	3.46	3.50	3.54	3.59	3.57	3.55
<b>52.5</b>	3.16	3.16	3.17	3.20	3.26	3.37	3.44	3.46	3.45	3.46
<b>55.0</b>	2.90	2.93	2.95	3.01	3.10	3.21	3.33	3.39	3.38	3.39
<b>57.5</b>	2.70	2.71	2.75	2.82	2.91	3.01	3.13	3.27	3.32	3.33
<b>60.0</b>	2.53	2.54	2.56	2.61	2.68	2.80	2.92	3.03	3.16	3.18
<b>62.5</b>	2.39	2.39	2.40	2.39	2.46	2.56	2.65	2.75	2.88	3.01
<b>65.0</b>	2.25	2.24	2.23	2.25	2.27	2.29	2.36	2.49	2.60	2.72
<b>67.5</b>	2.11	2.10	2.09	2.11	2.08	2.08	2.12	2.20	2.32	2.46

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<b>70.0</b>	1.98	1.94	1.94	1.92	1.90	1.90	1.91	1.97	2.12	2.23
<b>72.5</b>	1.96	1.90	1.83	1.73	1.71	1.70	1.71	1.78	1.91	1.99
<b>75.0</b>	1.93	1.89	1.78	1.66	1.55	1.48	1.48	1.52	1.59	1.62
<b>77.5</b>	1.85	1.86	1.72	1.59	1.51	1.40	1.31	1.20	1.22	1.22
<b>80.0</b>	1.58	1.58	1.49	1.45	1.41	1.33	1.24	1.13	1.02	0.91
<b>82.5</b>	1.32	1.30	1.22	1.21	1.15	1.14	1.11	1.04	1.00	0.87
<b>85.0</b>	1.04	1.03	0.98	0.97	0.93	0.92	0.89	0.85	0.84	0.80
<b>87.5</b>	0.77	0.76	0.74	0.73	0.71	0.70	0.69	0.67	0.66	0.65
<b>90.0</b>	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

**Vert. Angles**      **Horizontal Angles**

	<u><b>75.0</b></u>	<u><b>77.5</b></u>	<u><b>80.0</b></u>	<u><b>82.5</b></u>	<u><b>85.0</b></u>	<u><b>87.5</b></u>	<u><b>90.0</b></u>	<u><b>92.5</b></u>	<u><b>95.0</b></u>	<u><b>97.5</b></u>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	3941.27	3964.59	3989.80	4016.84	4045.67	4076.20	4108.39	4059.28	4011.81	3966.04
<b>5.0</b>	2377.19	2387.30	2349.55	2393.29	2437.28	2481.43	2525.68	2467.46	2409.35	2351.46
<b>7.5</b>	1151.65	1156.09	1164.04	1175.86	1191.93	1212.62	1238.29	1204.16	1174.83	1149.76
<b>10.0</b>	525.67	522.08	520.21	501.67	515.22	528.83	542.46	527.67	512.91	498.21
<b>12.5</b>	291.94	291.43	291.75	292.94	295.07	298.16	302.28	298.89	296.49	294.98
<b>15.0</b>	212.05	211.93	212.20	212.96	212.71	215.82	218.94	217.43	215.93	217.88
<b>17.5</b>	167.03	167.36	167.05	167.18	167.75	168.76	170.21	169.40	169.03	169.10
<b>20.0</b>	122.98	122.42	122.33	122.37	121.61	124.71	127.82	123.43	119.04	119.92
<b>22.5</b>	67.54	64.11	64.57	63.33	62.70	62.65	63.49	61.84	60.84	60.28
<b>25.0</b>	36.60	36.75	36.60	36.40	36.15	36.01	36.58	35.91	35.90	35.94
<b>27.5</b>	23.45	23.18	22.96	23.06	23.07	23.22	23.56	23.32	23.32	23.57
<b>30.0</b>	15.78	15.70	15.62	15.45	15.28	15.17	15.42	15.06	15.04	15.09
<b>32.5</b>	10.49	10.33	10.13	10.17	10.15	10.16	10.26	10.22	10.29	10.40
<b>35.0</b>	7.75	7.70	7.60	7.50	7.47	7.55	7.77	7.72	7.78	7.82
<b>37.5</b>	6.31	6.28	6.21	6.17	6.13	6.13	6.18	6.26	6.36	6.39
<b>40.0</b>	5.25	5.24	5.21	5.18	5.19	5.25	5.35	5.51	5.67	5.62
<b>42.5</b>	4.50	4.51	4.56	4.58	4.63	4.65	4.67	4.77	4.86	4.81
<b>45.0</b>	4.06	4.06	4.06	4.12	4.20	4.15	4.06	4.17	4.28	4.24
<b>47.5</b>	3.77	3.75	3.76	3.77	3.80	3.81	3.82	3.89	3.93	3.87
<b>50.0</b>	3.54	3.55	3.55	3.54	3.59	3.46	3.25	3.58	3.78	3.69
<b>52.5</b>	3.44	3.42	3.40	3.36	3.47	3.52	3.52	3.63	3.72	3.76
<b>55.0</b>	3.42	3.39	3.33	3.25	3.33	3.41	3.44	3.49	3.63	3.74
<b>57.5</b>	3.36	3.35	3.28	3.21	3.21	3.27	3.31	3.43	3.57	3.58
<b>60.0</b>	3.22	3.20	3.12	3.07	3.07	3.16	3.26	3.37	3.46	3.42
<b>62.5</b>	2.99	3.04	3.08	3.01	2.91	3.04	3.08	3.25	3.00	2.98
<b>65.0</b>	2.81	2.89	2.99	2.91	2.85	2.93	2.97	2.95	2.62	2.69
<b>67.5</b>	2.50	2.59	2.68	2.73	2.66	2.83	2.69	2.58	2.51	2.54
<b>70.0</b>	2.25	2.27	2.39	2.53	2.52	2.52	2.35	2.28	2.26	2.41
<b>72.5</b>	1.94	1.97	2.07	2.26	2.26	2.16	2.03	2.02	2.01	2.09
<b>75.0</b>	1.58	1.64	1.74	1.89	1.90	1.75	1.74	1.74	1.81	1.75
<b>77.5</b>	1.26	1.32	1.39	1.46	1.52	1.41	1.45	1.39	1.46	1.42
<b>80.0</b>	0.94	0.99	1.05	1.04	1.06	1.07	1.04	1.07	1.09	1.17
<b>82.5</b>	0.76	0.66	0.70	0.70	0.68	0.80	0.71	0.79	0.76	0.93
<b>85.0</b>	0.76	0.67	0.50	0.39	0.44	0.42	0.37	0.43	0.58	0.52
<b>87.5</b>	0.63	0.60	0.55	0.51	0.26	0.22	0.13	0.27	0.22	0.31
<b>90.0</b>	0.50	0.50	0.50	0.50	0.48	0.48	0.03	0.04	0.13	0.20

**Vert. Angles**      **Horizontal Angles**

	<u><b>100.0</b></u>	<u><b>102.5</b></u>	<u><b>105.0</b></u>	<u><b>107.5</b></u>	<u><b>110.0</b></u>	<u><b>112.5</b></u>	<u><b>115.0</b></u>	<u><b>117.5</b></u>	<u><b>120.0</b></u>	<u><b>122.5</b></u>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	3922.05	3879.89	3839.61	3801.27	3764.91	3730.59	3698.35	3668.24	3640.29	3614.55

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>5.0</b>	2293.91	2315.06	2289.30	2267.85	2250.25	2211.13	2224.90	2216.35	2210.09	2205.81
<b>7.5</b>	1128.39	1110.18	1088.67	1081.16	1069.34	1040.41	1066.45	1067.97	1069.39	1071.57
<b>10.0</b>	514.33	513.85	514.53	515.67	516.61	516.74	518.36	523.53	528.96	533.11
<b>12.5</b>	294.29	294.33	295.02	293.17	301.43	304.27	306.86	309.02	310.25	310.98
<b>15.0</b>	218.88	220.44	222.39	223.16	223.98	224.85	224.52	224.16	223.29	225.23
<b>17.5</b>	169.63	170.50	170.80	171.51	172.24	172.18	173.20	174.91	176.88	177.43
<b>20.0</b>	120.50	121.82	123.63	125.70	122.94	120.26	120.35	122.87	127.89	130.40
<b>22.5</b>	59.92	58.71	60.76	61.58	62.30	63.71	63.78	66.92	71.34	75.23
<b>25.0</b>	35.95	35.93	35.74	36.16	36.85	37.25	37.67	37.92	40.11	41.99
<b>27.5</b>	23.68	23.74	23.68	23.80	24.35	24.85	25.09	25.15	25.60	25.66
<b>30.0</b>	15.22	15.32	15.47	15.90	16.26	16.41	16.39	16.79	17.05	17.13
<b>32.5</b>	10.46	10.72	10.89	11.07	11.31	11.47	11.56	11.86	12.01	11.92
<b>35.0</b>	7.84	7.86	7.96	8.07	8.29	8.50	8.67	8.78	8.87	8.94
<b>37.5</b>	6.40	6.45	6.47	6.45	6.48	6.63	6.79	6.98	7.09	7.22
<b>40.0</b>	5.47	5.40	5.40	5.45	5.54	5.61	5.66	5.73	5.79	5.81
<b>42.5</b>	4.65	4.63	4.72	4.76	4.84	4.92	4.95	4.98	5.01	5.05
<b>45.0</b>	4.18	4.19	4.22	4.35	4.49	4.51	4.43	4.46	4.49	4.48
<b>47.5</b>	3.83	3.87	3.94	4.03	4.11	4.11	4.12	4.07	4.07	4.11
<b>50.0</b>	3.68	3.71	3.75	3.78	3.78	3.85	3.83	3.82	3.81	3.94
<b>52.5</b>	3.71	3.72	3.75	3.72	3.66	3.57	3.61	3.70	3.76	3.87
<b>55.0</b>	3.61	3.51	3.50	3.51	3.46	3.45	3.50	3.52	3.65	3.78
<b>57.5</b>	3.42	3.33	3.31	3.27	3.23	3.23	3.33	3.47	3.51	3.62
<b>60.0</b>	3.27	3.15	3.11	3.14	3.14	3.16	3.26	3.33	3.47	3.53
<b>62.5</b>	2.97	2.97	2.95	2.93	3.07	3.15	3.17	3.30	3.37	3.42
<b>65.0</b>	2.75	2.72	2.74	2.85	2.95	3.08	3.16	3.17	3.23	3.19
<b>67.5</b>	2.58	2.56	2.58	2.67	2.83	3.00	3.09	2.99	2.94	2.97
<b>70.0</b>	2.35	2.35	2.41	2.48	2.66	2.76	2.77	2.75	2.68	2.72
<b>72.5</b>	2.01	2.13	2.24	2.33	2.33	2.38	2.41	2.40	2.44	2.46
<b>75.0</b>	1.79	1.93	2.05	2.02	2.02	2.02	2.05	2.11	2.10	2.10
<b>77.5</b>	1.56	1.69	1.71	1.68	1.63	1.69	1.72	1.70	1.74	1.70
<b>80.0</b>	1.30	1.30	1.27	1.26	1.30	1.34	1.37	1.40	1.44	1.31
<b>82.5</b>	0.88	0.84	0.90	0.94	0.97	1.02	1.05	1.09	1.12	1.07
<b>85.0</b>	0.52	0.58	0.64	0.67	0.71	0.75	0.76	0.79	0.79	0.79
<b>87.5</b>	0.37	0.41	0.44	0.46	0.47	0.48	0.49	0.49	0.48	0.49
<b>90.0</b>	0.24	0.26	0.26	0.26	0.24	0.23	0.21	0.21	0.19	0.19

**Vert. Angles**      **Horizontal Angles**

	<b><u>125.0</u></b>	<b><u>127.5</u></b>	<b><u>130.0</u></b>	<b><u>132.5</u></b>	<b><u>135.0</u></b>	<b><u>137.5</u></b>	<b><u>140.0</u></b>	<b><u>142.5</u></b>	<b><u>145.0</u></b>	<b><u>147.5</u></b>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	3591.04	3564.68	3525.05	3544.35	3534.31	3526.47	3479.80	3509.55	3516.38	3517.57
<b>5.0</b>	2203.23	2185.59	2188.45	2178.60	2169.67	2161.63	2154.54	2135.34	2148.25	2151.90
<b>7.5</b>	1079.68	1073.46	1097.56	1105.32	1111.32	1115.52	1129.24	1134.85	1166.87	1191.38
<b>10.0</b>	535.69	529.78	549.99	557.65	563.05	574.55	583.80	584.43	591.90	591.88
<b>12.5</b>	311.33	313.84	318.94	320.51	319.29	313.93	303.27	291.72	297.93	303.84
<b>15.0</b>	225.19	225.22	225.71	225.89	227.46	229.19	229.62	229.98	229.80	229.78
<b>17.5</b>	176.10	174.67	174.69	174.10	172.58	172.37	173.25	174.83	175.71	176.58
<b>20.0</b>	130.66	130.97	131.23	130.09	128.51	128.46	127.68	126.35	126.10	126.47
<b>22.5</b>	78.73	83.08	87.99	89.05	89.49	89.18	88.25	87.08	85.43	83.58
<b>25.0</b>	43.70	46.01	47.97	49.02	51.43	52.60	52.40	52.59	56.71	58.27
<b>27.5</b>	26.16	26.88	27.22	26.28	25.99	27.70	31.89	36.06	38.96	41.34
<b>30.0</b>	17.35	17.13	17.09	17.92	18.74	19.48	20.41	22.08	24.93	26.53
<b>32.5</b>	11.54	11.99	12.66	13.04	13.44	13.87	14.17	14.47	14.55	15.55
<b>35.0</b>	9.22	9.41	9.40	9.62	9.83	9.86	9.81	9.54	9.16	9.24
<b>37.5</b>	7.29	7.46	7.58	7.50	7.40	7.18	7.11	7.38	7.64	8.08
<b>40.0</b>	5.98	6.10	6.10	6.08	6.02	6.23	6.35	6.52	6.72	6.92

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

42.5	4.91	4.87	5.14	5.37	5.51	5.65	5.80	5.87	5.99	6.06
45.0	4.47	4.50	4.44	4.87	5.08	5.16	5.30	5.39	5.37	5.43
47.5	4.25	4.34	4.42	4.31	4.68	4.80	4.82	4.97	4.97	4.88
50.0	4.10	4.21	4.27	4.34	4.31	4.51	4.53	4.48	4.60	4.52
52.5	3.98	4.12	4.21	4.23	4.25	4.29	4.32	4.27	4.38	4.38
55.0	3.91	4.06	4.17	4.19	4.18	4.16	4.21	4.16	4.08	4.22
57.5	3.82	3.98	4.10	4.13	4.08	4.06	4.05	4.07	4.03	4.04
60.0	3.58	3.78	3.85	3.92	4.00	3.94	3.94	3.98	3.92	3.86
62.5	3.41	3.44	3.55	3.66	3.79	3.85	3.83	3.85	3.83	3.76
65.0	3.17	3.18	3.27	3.34	3.50	3.75	3.70	3.74	3.73	3.61
67.5	2.96	2.96	3.04	3.07	3.21	3.47	3.51	3.51	3.50	3.36
70.0	2.74	2.72	2.77	2.79	2.87	3.05	3.23	3.24	3.25	3.13
72.5	2.46	2.46	2.46	2.55	2.56	2.71	2.88	2.94	3.01	2.94
75.0	2.16	2.18	2.20	2.28	2.25	2.40	2.49	2.57	2.64	2.60
77.5	1.82	1.88	1.91	1.95	1.92	2.01	2.06	2.17	2.22	2.21
80.0	1.48	1.54	1.56	1.57	1.58	1.63	1.68	1.77	1.82	1.81
82.5	1.14	1.20	1.21	1.21	1.24	1.26	1.31	1.37	1.42	1.41
85.0	0.81	0.86	0.87	0.87	0.90	0.90	0.93	0.98	0.99	1.01
87.5	0.49	0.52	0.53	0.53	0.54	0.54	0.57	0.59	0.60	0.60
90.0	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

**Vert. Angles**      **Horizontal Angles**

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
2.5	3521.08	3526.95	3535.20	3531.35	3547.08	3554.08	3563.38	3575.08	3589.22	3605.90
5.0	2158.44	2167.93	2180.47	2174.53	2207.23	2223.48	2242.80	2265.36	2277.13	2283.72
7.5	1202.20	1212.30	1223.09	1236.96	1254.40	1273.24	1284.46	1304.98	1321.14	1338.17
10.0	587.41	593.29	593.70	586.97	574.24	561.17	549.33	538.19	526.95	491.27
12.5	309.86	317.77	327.14	339.09	353.63	363.00	373.43	381.91	390.63	397.89
15.0	235.85	241.67	246.93	251.13	260.83	272.33	283.06	290.11	297.29	303.83
17.5	176.66	176.73	180.86	185.71	187.51	192.31	198.54	204.51	208.72	213.51
20.0	127.02	126.16	125.95	127.53	128.93	127.66	125.73	125.46	125.26	125.73
22.5	81.07	81.85	83.81	86.33	89.73	92.17	92.35	92.06	93.62	95.75
25.0	59.85	60.77	62.76	64.19	65.92	68.10	69.28	68.63	69.05	70.29
27.5	42.69	43.46	43.62	44.60	44.91	45.57	46.38	45.94	45.23	45.49
30.0	27.64	27.90	27.52	26.58	26.26	25.30	24.34	23.33	22.07	21.27
32.5	15.31	14.43	13.19	13.75	14.39	15.12	15.69	16.03	16.58	16.96
35.0	9.83	10.36	11.02	11.83	12.25	12.90	13.38	13.67	14.22	14.49
37.5	8.40	8.80	9.27	9.93	10.41	10.80	11.19	11.51	11.91	12.06
40.0	7.26	7.55	7.82	8.23	8.68	8.88	9.16	9.42	9.56	9.67
42.5	6.22	6.41	6.61	6.81	7.05	7.19	7.25	7.28	7.29	7.34
45.0	5.38	5.48	5.54	5.56	5.58	5.59	5.44	5.32	5.33	5.37
47.5	4.77	4.64	4.70	4.69	4.67	4.64	4.64	4.52	4.60	4.67
50.0	4.42	4.32	4.35	4.38	4.41	4.42	4.46	4.36	4.41	4.47
52.5	4.31	4.24	4.21	4.21	4.21	4.22	4.27	4.20	4.21	4.27
55.0	4.19	4.16	4.12	4.05	4.03	4.03	4.06	4.03	3.99	4.04
57.5	4.09	4.05	4.02	3.93	3.86	3.85	3.84	3.84	3.78	3.81
60.0	3.92	3.92	3.92	3.85	3.69	3.67	3.63	3.64	3.57	3.58
62.5	3.74	3.79	3.80	3.75	3.51	3.47	3.43	3.43	3.37	3.39
65.0	3.49	3.53	3.51	3.48	3.29	3.24	3.22	3.22	3.17	3.21
67.5	3.27	3.25	3.22	3.20	3.09	3.04	3.02	3.01	2.96	3.03
70.0	3.04	2.98	2.94	2.90	2.87	2.83	2.81	2.80	2.76	2.86
72.5	2.79	2.71	2.65	2.59	2.58	2.53	2.50	2.49	2.45	2.53
75.0	2.42	2.36	2.31	2.25	2.25	2.21	2.19	2.17	2.12	2.20
77.5	2.06	2.00	1.95	1.91	1.90	1.87	1.86	1.83	1.80	1.86

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**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	1.69	1.64	1.59	1.57	1.56	1.54	1.52	1.51	1.48	1.51
<b>82.5</b>	1.31	1.29	1.25	1.22	1.22	1.20	1.20	1.18	1.15	1.19
<b>85.0</b>	0.94	0.92	0.89	0.88	0.87	0.86	0.86	0.85	0.83	0.86
<b>87.5</b>	0.57	0.56	0.54	0.54	0.54	0.53	0.53	0.52	0.52	0.53
<b>90.0</b>	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>175.0</b>	<b>177.5</b>	<b>180.0</b>	<b>182.5</b>	<b>185.0</b>	<b>187.5</b>	<b>190.0</b>	<b>192.5</b>	<b>195.0</b>	<b>197.5</b>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	3625.18	3647.12	3671.80	3674.91	3680.85	3689.67	3701.38	3716.02	3733.59	3754.11
<b>5.0</b>	2294.04	2308.32	2326.77	2320.21	2318.12	2320.57	2327.61	2342.45	2327.48	2326.96
<b>7.5</b>	1338.52	1342.52	1351.16	1342.29	1338.09	1338.45	1334.33	1333.52	1336.48	1332.08
<b>10.0</b>	497.96	498.34	498.71	495.13	491.56	485.58	525.73	540.89	555.41	572.73
<b>12.5</b>	405.02	405.37	405.24	402.55	401.16	395.51	389.94	380.90	371.70	360.09
<b>15.0</b>	310.01	312.12	311.76	310.16	308.04	305.01	298.24	291.12	283.54	277.80
<b>17.5</b>	217.11	218.93	218.29	218.29	217.61	215.81	212.32	208.63	205.30	202.03
<b>20.0</b>	123.77	125.14	124.82	126.30	126.39	130.40	132.14	133.57	134.05	132.92
<b>22.5</b>	98.07	98.99	98.48	99.81	100.32	99.90	99.92	98.14	95.78	93.37
<b>25.0</b>	71.95	72.53	72.15	72.97	73.39	73.24	73.18	71.67	70.21	67.99
<b>27.5</b>	45.99	46.11	45.81	46.09	46.50	46.80	46.78	46.48	46.14	44.82
<b>30.0</b>	19.55	19.54	19.48	18.95	18.77	20.56	21.22	22.55	23.48	24.07
<b>32.5</b>	17.15	17.09	17.02	16.61	16.47	16.20	15.56	15.23	14.63	13.86
<b>35.0</b>	14.65	14.61	14.56	14.24	14.09	13.79	13.39	13.01	12.43	11.86
<b>37.5</b>	12.13	12.14	12.09	11.86	11.74	11.47	11.23	10.89	10.41	10.06
<b>40.0</b>	9.65	9.65	9.63	9.46	9.41	9.22	9.04	8.88	8.52	8.34
<b>42.5</b>	7.21	7.21	7.17	7.11	7.11	7.03	6.95	6.92	6.79	6.67
<b>45.0</b>	5.21	5.19	5.16	5.17	5.20	5.16	5.15	5.16	5.17	5.21
<b>47.5</b>	4.57	4.53	4.52	4.51	4.55	4.44	4.49	4.46	4.45	4.40
<b>50.0</b>	4.41	4.35	4.33	4.31	4.37	4.22	4.35	4.33	4.29	4.25
<b>52.5</b>	4.24	4.15	4.13	4.10	4.17	4.02	4.21	4.22	4.13	4.09
<b>55.0</b>	4.03	3.94	3.95	3.91	3.97	3.84	4.06	4.07	3.98	3.92
<b>57.5</b>	3.82	3.74	3.75	3.71	3.75	3.70	3.92	3.90	3.83	3.75
<b>60.0</b>	3.60	3.54	3.56	3.51	3.53	3.56	3.79	3.72	3.68	3.59
<b>62.5</b>	3.41	3.36	3.35	3.31	3.34	3.39	3.55	3.45	3.45	3.37
<b>65.0</b>	3.21	3.16	3.13	3.11	3.14	3.19	3.26	3.20	3.20	3.13
<b>67.5</b>	3.01	2.97	2.91	2.90	2.94	2.98	2.98	2.94	2.95	2.91
<b>70.0</b>	2.81	2.77	2.68	2.70	2.74	2.75	2.69	2.69	2.70	2.71
<b>72.5</b>	2.49	2.45	2.38	2.39	2.43	2.43	2.39	2.39	2.40	2.44
<b>75.0</b>	2.17	2.13	2.07	2.08	2.11	2.12	2.08	2.07	2.09	2.11
<b>77.5</b>	1.84	1.81	1.75	1.76	1.79	1.79	1.76	1.76	1.78	1.80
<b>80.0</b>	1.50	1.48	1.44	1.45	1.47	1.47	1.45	1.45	1.46	1.48
<b>82.5</b>	1.18	1.17	1.13	1.14	1.15	1.15	1.14	1.13	1.14	1.15
<b>85.0</b>	0.85	0.84	0.82	0.82	0.83	0.83	0.82	0.82	0.83	0.84
<b>87.5</b>	0.53	0.52	0.50	0.50	0.51	0.52	0.51	0.51	0.51	0.51
<b>90.0</b>	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>200.0</b>	<b>202.5</b>	<b>205.0</b>	<b>207.5</b>	<b>210.0</b>	<b>212.5</b>	<b>215.0</b>	<b>217.5</b>	<b>220.0</b>	<b>222.5</b>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	3777.58	3803.99	3832.04	3821.13	3827.53	3836.50	3847.96	3852.35	3828.86	3896.81
<b>5.0</b>	2329.95	2336.26	2335.13	2328.09	2323.17	2320.17	2318.92	2319.72	2314.72	2313.69
<b>7.5</b>	1327.75	1325.93	1313.49	1291.09	1268.75	1251.00	1232.28	1209.76	1214.76	1221.16
<b>10.0</b>	584.92	595.72	607.23	618.89	627.44	633.44	636.01	637.34	636.56	634.61
<b>12.5</b>	354.05	348.32	342.06	335.21	327.72	319.28	311.96	306.75	323.61	333.18

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBX-SE (ONE HEAD ONLY).IES**

**CANDELA TABULATION - (Cont.)**

15.0	274.32	264.19	259.77	252.04	246.24	241.20	238.82	237.87	233.90	232.85
17.5	198.04	193.01	186.98	183.77	181.59	179.21	176.48	175.08	174.10	173.85
20.0	131.92	129.85	127.91	127.79	124.88	124.17	123.92	124.13	123.90	124.30
22.5	89.81	85.67	81.57	77.09	76.69	77.43	78.86	79.91	80.81	81.72
25.0	65.16	62.21	58.99	56.43	53.57	51.16	47.66	42.57	41.40	44.45
27.5	43.84	41.78	40.52	38.88	37.30	34.55	31.04	28.17	26.53	25.20
30.0	24.44	25.01	24.72	24.68	23.66	21.76	20.50	19.68	18.80	18.01
32.5	13.36	12.51	11.98	13.38	13.72	13.72	13.73	13.65	13.33	12.92
35.0	11.41	10.72	10.55	9.95	9.45	9.01	8.86	9.25	9.23	9.22
37.5	9.49	9.24	8.87	8.48	8.07	7.81	7.48	6.99	6.89	6.93
40.0	7.95	7.83	7.49	7.16	6.93	6.71	6.34	6.23	6.14	5.92
42.5	6.58	6.42	6.24	6.07	5.94	5.75	5.58	5.56	5.40	5.22
45.0	5.31	5.21	5.16	5.14	5.09	4.93	4.99	4.93	4.83	4.59
47.5	4.38	4.33	4.33	4.32	4.32	4.38	4.45	4.40	4.28	4.28
50.0	4.12	4.03	4.00	3.95	3.88	3.96	3.96	3.97	4.01	4.05
52.5	3.96	3.91	3.88	3.81	3.80	3.78	3.76	3.77	3.82	3.84
55.0	3.78	3.81	3.76	3.70	3.70	3.67	3.67	3.70	3.67	3.71
57.5	3.61	3.69	3.62	3.61	3.57	3.57	3.61	3.54	3.54	3.50
60.0	3.49	3.59	3.51	3.53	3.47	3.49	3.52	3.39	3.39	3.28
62.5	3.39	3.46	3.41	3.43	3.40	3.42	3.33	3.25	3.20	3.15
65.0	3.21	3.24	3.21	3.19	3.20	3.27	3.10	3.10	3.02	3.01
67.5	2.96	3.03	3.00	2.97	2.92	2.95	2.83	2.83	2.80	2.85
70.0	2.72	2.84	2.80	2.76	2.62	2.61	2.57	2.57	2.52	2.56
72.5	2.43	2.56	2.55	2.50	2.33	2.29	2.31	2.28	2.26	2.25
75.0	2.14	2.20	2.22	2.12	2.01	1.99	2.01	1.97	1.98	1.97
77.5	1.83	1.85	1.87	1.75	1.69	1.69	1.69	1.65	1.67	1.64
80.0	1.52	1.52	1.53	1.42	1.38	1.38	1.39	1.34	1.35	1.32
82.5	1.20	1.18	1.19	1.09	1.07	1.06	1.07	1.03	1.04	1.00
85.0	0.86	0.85	0.85	0.78	0.76	0.75	0.74	0.73	0.72	0.70
87.5	0.53	0.51	0.51	0.46	0.45	0.44	0.44	0.42	0.41	0.40
90.0	0.19	0.18	0.17	0.15	0.14	0.13	0.12	0.12	0.11	0.10

**Vert.  
Angles**

**Horizontal Angles**

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
2.5	3917.75	3940.95	3966.36	3993.94	4038.33	4031.18	4051.72	4074.80	4100.47	4128.75
5.0	2314.67	2317.64	2322.61	2329.63	2382.12	2342.72	2350.67	2360.20	2371.66	2359.01
7.5	1203.71	1197.94	1190.76	1182.27	1178.64	1176.52	1179.54	1182.06	1183.31	1183.88
10.0	636.50	625.43	617.68	607.12	596.20	584.22	570.26	554.70	549.23	544.50
12.5	335.03	333.76	333.42	330.43	329.35	329.42	328.72	330.36	326.53	325.27
15.0	230.51	229.64	231.13	232.83	233.31	233.34	232.92	233.68	234.38	234.45
17.5	173.49	172.92	173.65	175.36	177.56	178.74	179.65	178.46	179.10	179.33
20.0	125.34	126.69	128.33	130.10	130.99	130.72	128.62	124.18	122.53	120.91
22.5	83.17	84.41	85.45	82.06	78.88	75.66	71.67	66.90	63.36	67.16
25.0	46.84	47.37	46.84	45.00	42.56	40.58	40.01	39.84	38.77	37.60
27.5	23.88	24.81	25.53	25.75	25.80	25.22	24.94	24.88	24.64	24.30
30.0	17.30	16.39	15.48	15.03	15.01	15.98	16.06	16.03	15.88	15.88
32.5	12.32	11.48	10.45	10.65	10.12	10.70	11.00	11.05	10.88	10.62
35.0	8.61	8.85	8.47	8.41	8.17	7.97	7.74	7.74	7.79	7.72
37.5	6.99	6.92	6.73	6.64	6.39	6.31	6.23	6.26	6.22	6.15
40.0	5.74	5.38	5.44	5.48	5.41	5.43	5.36	5.23	5.16	5.16
42.5	4.90	4.81	4.80	4.69	4.78	4.73	4.66	4.56	4.48	4.44
45.0	4.54	4.49	4.39	4.37	4.27	4.22	4.14	4.10	4.09	4.04
47.5	4.26	4.20	4.17	4.04	3.95	3.88	3.89	3.85	3.76	3.73
50.0	4.02	4.01	3.86	3.80	3.77	3.74	3.61	3.55	3.54	3.56



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBX-SE (ONE HEAD ONLY).IES**

**CANDELA TABULATION - (Cont.)**

<b>52.5</b>	3.87	3.71	3.69	3.67	3.63	3.51	3.49	3.46	3.49	3.51
<b>55.0</b>	3.60	3.59	3.57	3.55	3.48	3.46	3.43	3.43	3.47	3.50
<b>57.5</b>	3.43	3.45	3.46	3.46	3.45	3.39	3.37	3.39	3.43	3.43
<b>60.0</b>	3.30	3.29	3.33	3.38	3.34	3.30	3.30	3.30	3.30	3.35
<b>62.5</b>	3.16	3.15	3.18	3.19	3.17	3.19	3.18	3.14	3.15	3.14
<b>65.0</b>	2.97	3.01	3.02	2.99	3.03	3.01	2.97	2.96	2.97	2.95
<b>67.5</b>	2.83	2.82	2.85	2.84	2.80	2.76	2.73	2.74	2.73	2.75
<b>70.0</b>	2.56	2.59	2.64	2.68	2.62	2.52	2.48	2.50	2.47	2.50
<b>72.5</b>	2.24	2.26	2.29	2.30	2.30	2.29	2.26	2.19	2.19	2.23
<b>75.0</b>	1.92	1.92	1.94	1.91	1.90	1.90	1.95	1.89	1.93	1.94
<b>77.5</b>	1.61	1.60	1.58	1.50	1.51	1.52	1.50	1.53	1.55	1.65
<b>80.0</b>	1.29	1.28	1.27	1.21	1.18	1.17	1.14	1.10	1.06	1.12
<b>82.5</b>	0.99	0.97	0.95	0.93	0.91	0.89	0.86	0.80	0.65	0.68
<b>85.0</b>	0.69	0.68	0.66	0.65	0.64	0.62	0.60	0.55	0.48	0.47
<b>87.5</b>	0.39	0.39	0.37	0.37	0.37	0.36	0.35	0.32	0.29	0.28
<b>90.0</b>	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

**Vert. Angles**      **Horizontal Angles**

	<b>250.0</b>	<b>252.5</b>	<b>255.0</b>	<b>257.5</b>	<b>260.0</b>	<b>262.5</b>	<b>265.0</b>	<b>267.5</b>	<b>270.0</b>	<b>272.5</b>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	4159.71	4193.39	4229.86	4269.18	4311.40	4356.59	4404.80	4456.10	4510.54	4471.73
<b>5.0</b>	2401.96	2421.69	2445.14	2472.83	2505.31	2543.14	2586.89	2637.15	2694.48	2655.33
<b>7.5</b>	1200.94	1198.36	1204.70	1225.95	1244.04	1265.69	1291.46	1321.87	1357.50	1333.38
<b>10.0</b>	547.59	550.29	553.09	556.53	561.17	567.58	576.36	588.11	603.46	594.09
<b>12.5</b>	323.90	322.01	323.18	321.16	322.49	324.62	327.62	331.57	336.57	334.25
<b>15.0</b>	235.23	232.07	230.98	229.03	227.48	226.60	226.51	227.31	229.12	227.45
<b>17.5</b>	178.83	177.45	176.40	177.22	175.89	176.33	177.49	179.28	181.61	180.06
<b>20.0</b>	123.32	127.14	127.09	127.93	128.34	127.86	128.36	129.74	131.91	131.30
<b>22.5</b>	71.83	73.53	74.90	74.44	74.84	75.46	76.87	79.22	82.60	82.03
<b>25.0</b>	38.44	38.95	39.90	39.22	39.00	38.84	38.78	39.12	39.92	39.59
<b>27.5</b>	24.14	23.96	23.94	24.00	24.17	24.13	24.11	24.28	24.68	24.69
<b>30.0</b>	15.86	15.65	15.66	15.84	15.98	15.75	15.29	14.91	14.72	15.06
<b>32.5</b>	10.47	10.39	10.38	10.43	10.49	10.49	10.49	10.54	10.72	10.70
<b>35.0</b>	7.66	7.56	7.53	7.61	7.67	7.75	7.80	7.83	7.92	7.91
<b>37.5</b>	6.08	6.07	6.07	6.20	6.28	6.31	6.30	6.34	6.43	6.46
<b>40.0</b>	5.22	5.32	5.40	5.47	5.42	5.39	5.37	5.37	5.39	5.55
<b>42.5</b>	4.51	4.57	4.61	4.66	4.66	4.63	4.61	4.64	4.69	4.84
<b>45.0</b>	4.05	4.08	4.11	4.12	4.14	4.15	4.15	4.14	4.14	4.15
<b>47.5</b>	3.70	3.74	3.78	3.78	3.81	3.83	3.83	3.82	3.81	3.83
<b>50.0</b>	3.59	3.59	3.61	3.63	3.66	3.68	3.66	3.64	3.62	3.62
<b>52.5</b>	3.51	3.49	3.47	3.35	3.49	3.59	3.51	3.47	3.47	3.50
<b>55.0</b>	3.42	3.27	3.38	3.45	3.43	3.41	3.40	3.39	3.37	3.36
<b>57.5</b>	3.46	3.43	3.38	3.34	3.31	3.32	3.32	3.30	3.30	3.21
<b>60.0</b>	3.36	3.31	3.29	3.28	3.25	3.23	3.18	3.13	3.16	3.07
<b>62.5</b>	3.18	3.27	3.17	3.09	3.10	3.09	3.08	3.02	2.98	2.86
<b>65.0</b>	3.00	2.94	2.93	2.93	2.97	2.93	2.87	2.84	2.87	2.68
<b>67.5</b>	2.72	2.69	2.67	2.72	2.77	2.75	2.67	2.63	2.67	2.48
<b>70.0</b>	2.52	2.45	2.43	2.49	2.51	2.56	2.52	2.38	2.35	2.25
<b>72.5</b>	2.21	2.18	2.19	2.21	2.24	2.23	2.26	2.11	2.05	1.95
<b>75.0</b>	1.88	1.89	1.91	1.85	1.83	1.85	1.86	1.79	1.75	1.60
<b>77.5</b>	1.57	1.53	1.51	1.51	1.53	1.49	1.45	1.42	1.40	1.32
<b>80.0</b>	1.14	1.16	1.13	1.18	1.09	1.02	0.93	0.92	1.04	0.96
<b>82.5</b>	0.62	0.58	0.65	0.64	0.56	0.54	0.54	0.48	0.57	0.56
<b>85.0</b>	0.36	0.19	0.07	0.12	0.14	0.13	0.04	0.12	0.17	0.16
<b>87.5</b>	0.21	0.13	0.08	0.06	0.05	0.04	0.05	0.02	0.05	0.04

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>90.0</b>	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.03	0.49
<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>275.0</u></b>	<b><u>277.5</u></b>	<b><u>280.0</u></b>	<b><u>282.5</u></b>	<b><u>285.0</u></b>	<b><u>287.5</u></b>	<b><u>290.0</u></b>	<b><u>292.5</u></b>	<b><u>295.0</u></b>	<b><u>297.5</u></b>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	4436.08	4403.59	4374.20	4347.91	4324.66	4304.42	4287.15	4272.80	4261.35	4252.74
<b>5.0</b>	2623.34	2598.05	2578.96	2565.59	2557.45	2554.07	2555.00	2559.80	2568.06	2579.39
<b>7.5</b>	1314.63	1300.87	1291.72	1286.79	1285.70	1288.07	1308.22	1308.05	1328.62	1350.66
<b>10.0</b>	588.70	587.10	589.06	594.36	602.78	614.12	628.15	644.67	669.06	675.12
<b>12.5</b>	333.03	332.92	333.89	335.94	342.11	345.11	350.79	355.40	360.33	369.27
<b>15.0</b>	226.89	227.41	228.95	231.53	235.09	237.17	241.97	242.70	244.19	244.80
<b>17.5</b>	178.95	178.28	178.04	179.13	177.52	177.13	176.78	175.88	176.48	177.88
<b>20.0</b>	131.40	132.23	133.82	134.63	134.97	135.87	134.16	133.63	134.53	134.01
<b>22.5</b>	82.72	84.54	87.41	87.72	87.01	83.89	83.38	82.19	85.34	88.99
<b>25.0</b>	39.75	40.39	41.03	41.60	42.31	42.11	42.31	41.70	42.73	43.70
<b>27.5</b>	24.94	25.40	25.70	25.68	25.65	25.70	26.08	26.24	26.67	27.14
<b>30.0</b>	15.57	16.16	16.47	16.38	16.29	16.43	16.76	17.04	17.35	17.70
<b>32.5</b>	10.78	10.91	11.03	11.12	11.17	11.18	11.24	11.37	11.52	11.76
<b>35.0</b>	7.98	8.06	8.11	8.17	8.20	8.22	8.31	8.43	8.45	8.49
<b>37.5</b>	6.53	6.55	6.53	6.52	6.44	6.44	6.41	6.39	6.46	6.59
<b>40.0</b>	5.74	5.75	5.68	5.65	5.61	5.55	5.45	5.37	5.30	5.29
<b>42.5</b>	5.00	4.97	4.69	4.57	4.61	4.68	4.71	4.72	4.70	4.67
<b>45.0</b>	4.18	4.22	4.25	4.17	4.08	4.05	4.05	4.07	4.12	4.18
<b>47.5</b>	3.86	3.86	3.84	3.80	3.79	3.76	3.72	3.73	3.74	3.76
<b>50.0</b>	3.67	3.80	3.78	3.68	3.60	3.54	3.54	3.50	3.46	3.53
<b>52.5</b>	3.60	3.76	3.65	3.55	3.50	3.39	3.34	3.26	3.30	3.25
<b>55.0</b>	3.46	3.61	3.48	3.37	3.23	3.21	3.18	3.10	3.08	2.99
<b>57.5</b>	3.32	3.39	3.24	3.12	3.05	3.01	3.00	2.96	2.84	2.78
<b>60.0</b>	3.13	3.11	3.00	2.90	2.84	2.79	2.79	2.71	2.67	2.56
<b>62.5</b>	3.01	2.90	2.78	2.67	2.70	2.62	2.51	2.49	2.42	2.38
<b>65.0</b>	2.71	2.64	2.53	2.50	2.41	2.36	2.32	2.23	2.19	2.15
<b>67.5</b>	2.49	2.39	2.35	2.35	2.24	2.12	2.04	2.01	1.96	1.98
<b>70.0</b>	2.20	2.13	2.13	2.10	2.02	1.89	1.79	1.77	1.79	1.82
<b>72.5</b>	1.87	1.89	1.88	1.79	1.66	1.58	1.58	1.59	1.62	1.65
<b>75.0</b>	1.57	1.57	1.55	1.43	1.33	1.33	1.37	1.41	1.47	1.50
<b>77.5</b>	1.26	1.30	1.12	1.07	1.10	1.14	1.18	1.23	1.31	1.36
<b>80.0</b>	0.96	0.89	0.78	0.84	0.90	0.95	1.03	1.09	1.18	1.24
<b>82.5</b>	0.59	0.47	0.53	0.65	0.73	0.80	0.90	0.98	1.01	1.06
<b>85.0</b>	0.09	0.24	0.33	0.44	0.53	0.68	0.76	0.81	0.84	0.86
<b>87.5</b>	0.18	0.32	0.37	0.45	0.51	0.59	0.63	0.65	0.67	0.69
<b>90.0</b>	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.51	0.51	0.51

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>300.0</u></b>	<b><u>302.5</u></b>	<b><u>305.0</u></b>	<b><u>307.5</u></b>	<b><u>310.0</u></b>	<b><u>312.5</u></b>	<b><u>315.0</u></b>	<b><u>317.5</u></b>	<b><u>320.0</u></b>	<b><u>322.5</u></b>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	4246.94	4243.90	4271.43	4242.19	4232.11	4224.29	4218.74	4215.45	4214.45	4215.73
<b>5.0</b>	2593.44	2609.88	2680.07	2647.96	2667.51	2689.85	2714.90	2742.60	2772.91	2824.70
<b>7.5</b>	1373.67	1403.30	1415.35	1437.44	1466.92	1496.24	1525.26	1572.43	1585.57	1616.40
<b>10.0</b>	691.16	705.82	718.75	732.84	752.00	767.62	788.29	794.67	806.83	825.10
<b>12.5</b>	369.38	371.86	373.42	379.06	390.41	395.81	396.58	393.09	384.21	372.50
<b>15.0</b>	245.22	245.57	244.98	244.21	242.97	242.92	248.04	255.01	258.83	266.37
<b>17.5</b>	180.90	179.41	176.92	175.78	177.65	179.78	180.71	182.80	185.73	190.71
<b>20.0</b>	134.78	133.92	132.52	131.28	130.20	128.38	126.78	129.60	131.54	132.32
<b>22.5</b>	89.66	89.94	89.82	89.54	89.57	87.63	86.09	84.54	84.18	86.13

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBX-SE (ONE HEAD ONLY).IES**

**CANDELA TABULATION - (Cont.)**

25.0	47.20	50.91	55.03	56.12	55.15	53.31	51.27	48.71	45.89	46.04
27.5	27.84	28.41	28.99	30.02	30.45	29.17	27.15	27.99	29.60	31.57
30.0	17.98	18.21	18.25	18.01	17.98	18.75	19.36	19.94	20.54	21.20
32.5	11.93	12.04	11.93	12.54	13.01	13.34	13.74	14.03	14.13	14.21
35.0	8.56	8.57	8.83	9.31	9.54	9.81	9.79	9.68	9.45	8.96
37.5	6.73	6.76	7.03	7.13	7.23	7.31	7.23	6.83	6.56	6.63
40.0	5.36	5.55	5.65	5.72	5.84	5.74	5.72	5.78	5.76	5.77
42.5	4.65	4.68	4.70	4.70	4.73	4.95	5.02	5.03	5.06	5.02
45.0	4.18	4.13	4.13	4.16	4.17	4.23	4.37	4.41	4.39	4.36
47.5	3.77	3.74	3.77	3.74	3.78	3.76	3.77	3.84	3.81	3.74
50.0	3.50	3.50	3.46	3.47	3.43	3.42	3.37	3.32	3.30	3.20
52.5	3.24	3.24	3.27	3.22	3.19	3.13	3.07	2.97	2.92	2.88
55.0	2.99	2.95	2.99	3.05	2.99	2.92	2.87	2.82	2.81	2.81
57.5	2.70	2.71	2.72	2.77	2.84	2.80	2.79	2.77	2.76	2.75
60.0	2.50	2.45	2.46	2.51	2.65	2.68	2.71	2.71	2.69	2.70
62.5	2.28	2.26	2.29	2.36	2.41	2.54	2.58	2.66	2.63	2.65
65.0	2.15	2.13	2.17	2.20	2.28	2.34	2.41	2.55	2.58	2.58
67.5	1.99	2.02	2.04	2.09	2.13	2.19	2.23	2.40	2.54	2.59
70.0	1.84	1.88	1.91	1.98	2.02	2.09	2.17	2.29	2.47	2.61
72.5	1.69	1.72	1.78	1.87	1.95	2.02	2.11	2.21	2.36	2.57
75.0	1.56	1.63	1.71	1.78	1.87	1.95	2.05	2.16	2.22	2.37
77.5	1.44	1.53	1.62	1.70	1.73	1.78	1.81	1.87	1.92	2.02
80.0	1.31	1.37	1.41	1.46	1.47	1.52	1.55	1.59	1.63	1.70
82.5	1.09	1.14	1.18	1.21	1.23	1.27	1.28	1.31	1.34	1.39
85.0	0.90	0.92	0.95	0.98	0.98	1.01	1.02	1.04	1.06	1.09
87.5	0.70	0.71	0.73	0.74	0.74	0.76	0.77	0.77	0.79	0.80
90.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51

**Vert.  
Angles**

**Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97	5139.97
2.5	4239.23	4225.16	4233.32	4243.78	4275.47	4256.28	4238.25	4222.32	4208.47	4196.70
5.0	2872.58	2868.47	2902.65	2939.35	2978.71	3010.68	3033.09	3059.09	3088.82	3143.96
7.5	1643.29	1675.53	1701.83	1734.67	1767.83	1798.00	1824.89	1853.64	1881.29	1898.35
10.0	823.74	828.71	828.95	829.84	827.33	822.67	816.17	808.14	788.56	770.21
12.5	382.04	397.09	413.37	429.06	444.44	462.60	483.42	503.81	528.39	537.60
15.0	273.70	283.14	294.68	306.74	320.68	334.20	350.44	363.59	379.80	396.44
17.5	194.30	199.04	205.26	212.61	221.44	229.87	237.77	246.50	254.56	262.90
20.0	134.35	136.51	138.31	141.14	143.26	146.81	148.91	147.96	150.17	145.41
22.5	87.41	86.49	87.16	86.78	89.52	93.17	97.69	100.41	101.69	104.30
25.0	52.19	58.25	60.77	63.86	65.89	67.60	70.10	73.36	74.00	75.89
27.5	33.54	37.02	41.32	43.45	45.00	45.77	46.85	47.19	48.33	47.86
30.0	22.16	23.12	24.50	26.32	26.75	26.96	25.43	24.02	23.09	21.66
32.5	14.02	13.82	13.44	12.69	11.30	12.38	12.73	12.95	13.40	13.89
35.0	8.19	8.34	8.64	9.02	9.55	10.13	10.74	11.20	11.31	11.73
37.5	6.81	7.02	7.31	7.63	7.85	8.30	9.01	9.21	9.29	9.64
40.0	5.82	5.93	6.10	6.27	6.56	6.77	7.08	7.36	7.52	7.64
42.5	4.99	5.03	5.06	5.20	5.29	5.38	5.50	5.70	5.77	5.71
45.0	4.27	4.22	4.21	4.19	4.18	4.19	4.14	4.08	3.98	3.98
47.5	3.65	3.53	3.43	3.34	3.33	3.31	3.29	3.22	3.25	3.32
50.0	3.09	3.03	2.98	3.00	3.03	3.07	3.14	3.15	3.18	3.23
52.5	2.89	2.91	2.95	2.97	2.96	2.99	3.04	3.07	3.12	3.15
55.0	2.86	2.87	2.91	2.95	2.91	2.91	2.95	2.99	3.05	3.08
57.5	2.79	2.84	2.87	2.95	2.94	2.85	2.86	2.91	2.97	3.00
60.0	2.74	2.79	2.83	2.92	2.94	2.79	2.79	2.82	2.88	2.94

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBX-SE (ONE HEAD ONLY).IES**

**CANDELA TABULATION - (Cont.)**

<b>62.5</b>	2.67	2.73	2.79	2.88	2.92	2.77	2.78	2.81	2.89	2.97
<b>65.0</b>	2.62	2.69	2.77	2.83	2.90	2.84	2.84	2.87	2.94	3.02
<b>67.5</b>	2.65	2.70	2.75	2.79	2.88	2.90	2.89	2.93	3.01	3.06
<b>70.0</b>	2.69	2.72	2.75	2.77	2.83	2.92	2.94	2.99	3.08	3.11
<b>72.5</b>	2.74	2.74	2.75	2.70	2.70	2.75	2.78	2.80	2.84	2.84
<b>75.0</b>	2.53	2.49	2.44	2.39	2.38	2.42	2.46	2.47	2.51	2.51
<b>77.5</b>	2.19	2.16	2.12	2.08	2.06	2.09	2.12	2.15	2.18	2.17
<b>80.0</b>	1.84	1.83	1.80	1.77	1.75	1.77	1.79	1.82	1.85	1.84
<b>82.5</b>	1.50	1.51	1.48	1.46	1.44	1.45	1.47	1.49	1.51	1.51
<b>85.0</b>	1.16	1.18	1.15	1.14	1.13	1.14	1.15	1.17	1.18	1.18
<b>87.5</b>	0.84	0.84	0.83	0.82	0.82	0.82	0.83	0.84	0.85	0.85
<b>90.0</b>	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.52	0.52

**Vert. Angles**      **Horizontal Angles**

	<u><b>350.0</b></u>	<u><b>352.5</b></u>	<u><b>355.0</b></u>	<u><b>357.5</b></u>	<u><b>360.0</b></u>
<b>0.0</b>	5139.97	5139.97	5139.97	5139.97	5139.97
<b>2.5</b>	4186.96	4179.24	4173.51	4169.71	4167.80
<b>5.0</b>	3131.76	3128.26	3129.20	3134.49	3144.04
<b>7.5</b>	1919.91	1944.18	1944.51	1951.59	1965.52
<b>10.0</b>	751.02	734.77	725.53	725.97	735.41
<b>12.5</b>	547.02	554.57	563.71	572.57	584.62
<b>15.0</b>	406.13	412.73	418.02	425.04	433.84
<b>17.5</b>	272.75	274.29	276.44	279.36	283.06
<b>20.0</b>	143.91	141.15	137.32	135.49	132.28
<b>22.5</b>	103.45	106.01	105.17	105.93	103.71
<b>25.0</b>	75.27	76.67	76.32	76.97	75.14
<b>27.5</b>	48.02	47.55	47.53	47.76	46.57
<b>30.0</b>	20.81	19.27	18.67	18.70	18.00
<b>32.5</b>	14.55	14.79	15.24	15.92	15.60
<b>35.0</b>	12.18	12.56	12.85	13.42	13.20
<b>37.5</b>	9.96	10.35	10.52	10.95	10.80
<b>40.0</b>	7.83	8.13	8.21	8.49	8.40
<b>42.5</b>	5.83	5.93	5.94	6.05	6.00
<b>45.0</b>	4.00	4.03	4.08	4.08	4.06
<b>47.5</b>	3.36	3.43	3.51	3.49	3.49
<b>50.0</b>	3.27	3.34	3.43	3.39	3.38
<b>52.5</b>	3.18	3.22	3.35	3.28	3.27
<b>55.0</b>	3.10	3.12	3.27	3.17	3.16
<b>57.5</b>	3.01	3.03	3.20	3.06	3.04
<b>60.0</b>	2.93	2.94	3.14	2.95	2.93
<b>62.5</b>	2.98	3.00	3.17	3.03	3.02
<b>65.0</b>	3.05	3.09	3.21	3.11	3.10
<b>67.5</b>	3.12	3.17	3.24	3.19	3.18
<b>70.0</b>	3.18	3.25	3.27	3.27	3.27
<b>72.5</b>	2.89	2.93	2.93	2.92	2.93
<b>75.0</b>	2.54	2.59	2.59	2.58	2.59
<b>77.5</b>	2.21	2.24	2.24	2.24	2.24
<b>80.0</b>	1.87	1.90	1.90	1.89	1.90
<b>82.5</b>	1.53	1.56	1.55	1.55	1.56
<b>85.0</b>	1.20	1.21	1.21	1.21	1.22
<b>87.5</b>	0.85	0.86	0.86	0.86	0.87
<b>90.0</b>	0.52	0.52	0.52	0.52	0.53

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBX-SE (ONE HEAD ONLY).IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	262.78	87.70	85.10
0-30	289.41	96.60	93.80
0-40	296.02	98.80	95.90
0-60	302.72	101.00	98.10
0-80	307.74	102.70	99.70
0-90	308.66	103.00	100.00
10-90	124.21	41.40	40.20
20-40	33.24	11.10	10.80
20-50	36.86	12.30	11.90
40-70	9.56	3.20	3.10
60-80	5.02	1.70	1.60
70-80	2.16	0.70	0.70
80-90	0.92	0.30	0.30
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	308.66	103.00	100.00

Total Luminaire Efficiency = 103.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	184.45
10-20	78.33
20-30	26.63
30-40	6.61
40-50	3.62
50-60	3.08
60-70	2.86
70-80	2.16
80-90	0.92
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	123	123	123	123	120	120	120	120	114	114	114	110	110	110	105	105	105	103
1	119	117	115	113	116	114	113	111	110	109	108	107	106	105	103	102	102	100
2	115	112	109	106	113	110	107	105	107	105	103	104	102	101	101	100	99	97
3	112	108	104	101	110	106	103	101	104	101	99	101	99	98	99	98	96	95
4	109	104	101	98	108	103	100	97	101	98	96	99	97	95	98	96	94	93
5	107	101	98	95	105	100	97	94	99	96	94	97	95	93	96	94	92	91
6	104	99	95	92	103	98	95	92	97	94	92	96	93	91	94	92	90	89
7	102	97	93	90	101	96	93	90	95	92	90	94	91	89	93	91	89	88
8	100	95	91	89	99	94	91	88	93	90	88	92	90	88	92	89	87	87
9	99	93	89	87	98	92	89	87	92	89	87	91	88	86	90	88	86	85
10	97	91	88	85	96	91	88	85	90	87	85	90	87	85	89	87	85	84

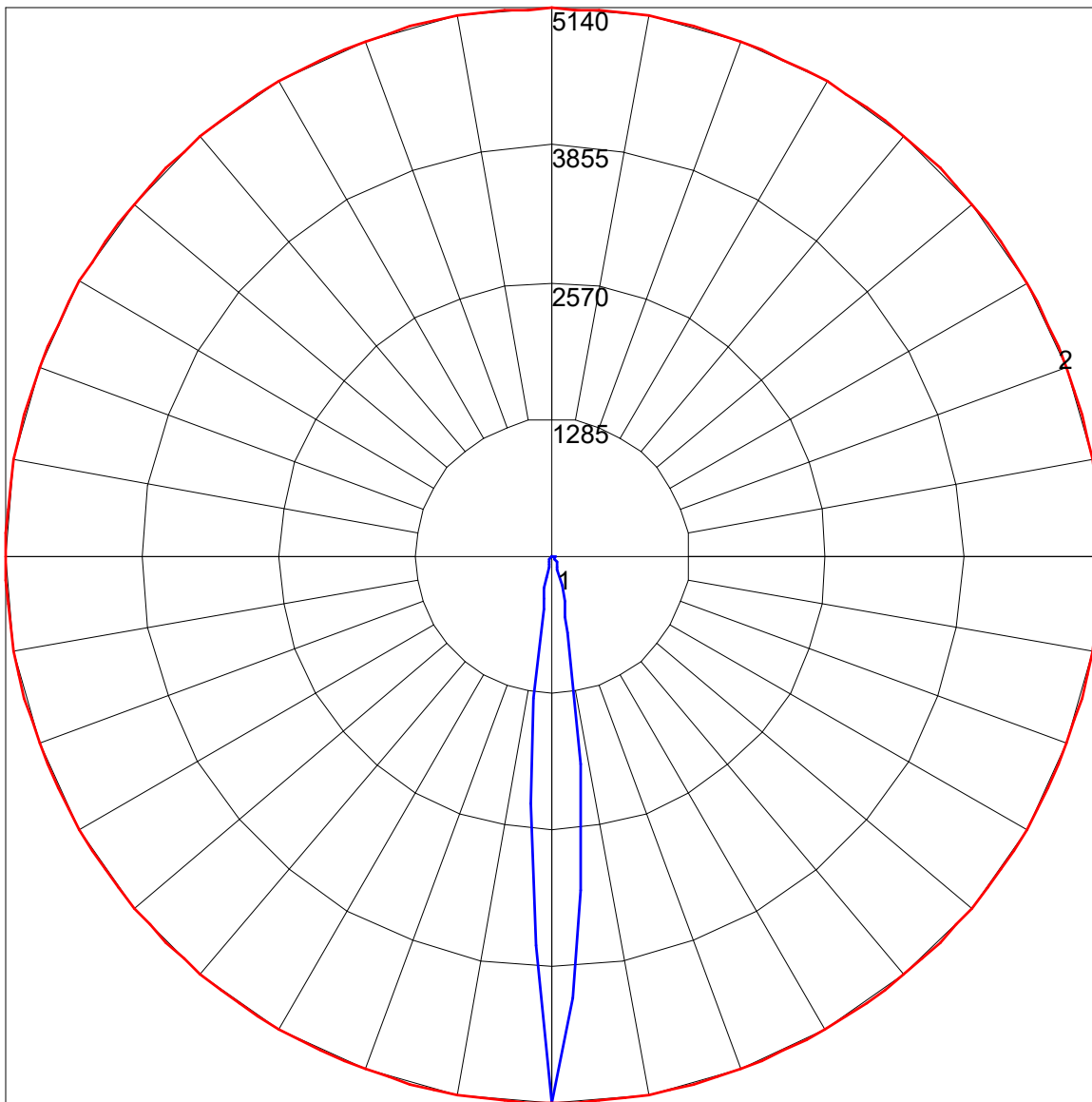
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BBX-SE (ONE HEAD ONLY).IES**

**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size											
		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	0.9	2.1	1.3	2.4	2.7	0.0	0.0	0.0	0.0	0.0
	3H	5.0	6.0	5.3	6.3	6.7	0.0	0.0	0.0	0.0	0.0
	4H	6.5	7.5	6.9	7.9	8.2	0.0	0.0	0.0	0.0	0.0
	6H	7.8	8.7	8.2	9.1	9.5	0.0	0.0	0.0	0.0	0.0
	8H	8.3	9.2	8.7	9.6	10.0	0.0	0.0	0.0	0.0	0.0
	12H	8.8	9.6	9.3	10.0	10.4	0.0	0.7	0.4	1.1	1.5
4H	2H	1.4	2.4	1.8	2.7	3.1	0.0	0.0	0.0	0.0	0.0
	3H	5.8	6.6	6.2	7.0	7.4	0.0	0.0	0.0	0.1	0.5
	4H	7.5	8.2	7.9	8.6	9.1	0.0	0.6	0.4	1.1	1.5
	6H	9.0	9.6	9.4	10.0	10.5	1.1	1.7	1.6	2.2	2.6
	8H	9.5	10.1	10.0	10.6	11.0	1.8	2.4	2.3	2.9	3.3
	12H	10.2	10.7	10.7	11.2	11.6	3.0	3.5	3.4	3.9	4.4
8H	4H	7.7	8.3	8.2	8.7	9.2	2.2	2.8	2.7	3.3	3.7
	6H	9.4	9.8	9.9	10.3	10.8	3.6	4.0	4.1	4.5	5.0
	8H	10.2	10.6	10.7	11.1	11.6	4.3	4.8	4.9	5.3	5.8
	12H	11.0	11.3	11.5	11.8	12.4	5.4	5.7	5.9	6.2	6.8
12H	4H	7.7	8.2	8.2	8.7	9.2	2.8	3.3	3.3	3.8	4.2
	6H	9.4	9.8	9.9	10.3	10.9	4.2	4.7	4.8	5.1	5.7
	8H	10.3	10.7	10.8	11.2	11.7	5.2	5.5	5.7	6.0	6.6

Maximum UGR = 12.4

POLAR GRAPH



Maximum Candela = 5139.97 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)