



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL726LEDHTLOASYWT30120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Tue Dec 18 19:31:40 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BL726LEDHTLOASYWT30120-277V

[LAMP] LED 0.3W White 2323 package (65mA)

[LAMPCAT] SPMWHT221MD5WAT0S0

[OTHER]

IESNA:LM-63-2002

[TEST] 6,552

[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5405
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	0.32
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.99 ft
Luminous Width (90-270)	1.01 ft
Luminous Height	0.36 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13328	4222	4731
55	7605	2837	2893
65	3157	1328	1316
75	1128	575	622
85	280	203	303

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0.0	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77
2.5	1937.23	1917.52	1871.02	1806.52	1743.60	1717.27	1714.91	1662.49	1695.96	1689.85
5.0	1910.46	1831.98	1740.07	1672.80	1581.81	1501.56	1476.08	1484.59	1446.17	1420.06
7.5	1903.74	1762.64	1663.52	1520.30	1405.58	1335.85	1273.00	1204.49	1177.74	1160.07
10.0	1947.35	1731.52	1561.70	1417.46	1264.62	1151.23	1054.10	993.93	946.87	945.45
12.5	1937.47	1702.54	1482.34	1270.09	1105.29	974.46	850.42	777.87	746.09	737.76
15.0	1918.72	1669.72	1387.40	1144.76	961.08	804.72	690.39	635.06	590.95	583.57
17.5	1930.34	1622.01	1311.87	1026.58	820.60	667.92	580.54	528.31	496.51	489.72
20.0	1922.83	1555.94	1199.29	907.78	700.82	568.30	491.07	462.05	444.65	440.11
22.5	1885.05	1469.11	1108.15	815.11	624.06	502.44	453.86	438.70	416.69	422.46
25.0	1861.06	1411.00	996.79	715.60	554.70	465.59	433.84	423.08	424.01	431.95
27.5	1813.19	1328.16	901.26	645.98	509.42	450.00	434.23	444.54	448.19	452.29
30.0	1763.28	1242.62	833.74	593.65	484.00	451.15	451.48	462.14	469.50	472.86
32.5	1720.64	1176.48	760.78	544.99	468.41	455.94	471.97	486.39	487.30	497.43
35.0	1650.58	1085.05	704.65	515.50	462.68	465.09	480.52	497.44	504.50	504.39
37.5	1557.65	1015.11	639.72	485.58	460.37	474.49	491.41	503.71	503.49	501.29
40.0	1458.57	920.11	591.13	461.08	449.30	473.76	489.25	490.12	486.41	491.42
42.5	1326.03	840.59	529.19	430.50	436.68	455.20	473.05	466.66	464.92	463.46
45.0	1201.67	744.81	485.35	407.52	413.40	429.43	436.80	435.40	426.15	424.03
47.5	1050.40	660.25	433.71	375.74	387.09	398.92	398.71	396.49	390.69	381.76
50.0	905.74	573.06	393.43	341.21	351.38	359.72	353.45	346.39	340.71	336.26
52.5	758.91	488.28	336.02	301.16	307.39	312.33	306.52	296.79	288.60	281.93
55.0	620.27	404.60	287.31	256.56	261.90	264.42	254.85	245.82	235.11	234.16
57.5	489.64	331.82	244.20	214.66	218.92	216.64	211.31	198.47	191.39	190.04
60.0	383.25	264.56	197.90	179.24	180.67	175.07	167.02	157.86	151.77	150.43
62.5	292.02	208.63	159.04	144.35	144.12	137.92	131.16	124.15	120.78	118.46
65.0	222.50	165.01	130.54	116.41	111.62	108.45	101.21	97.99	93.46	91.80
67.5	166.43	126.18	102.00	91.82	87.58	83.69	78.72	76.15	74.31	72.27
70.0	122.03	97.09	79.60	72.21	69.18	66.33	62.27	59.07	56.99	56.07
72.5	90.04	72.56	60.35	54.71	52.89	50.65	47.38	46.21	45.00	45.02
75.0	64.57	54.92	47.23	42.97	41.69	39.27	38.05	36.86	35.67	35.15
77.5	47.88	40.62	36.49	32.44	31.18	30.42	31.04	30.04	28.82	28.03
80.0	33.70	29.36	27.69	25.62	24.36	23.11	24.41	24.15	23.53	22.77
82.5	22.35	21.81	19.22	18.37	18.19	17.83	18.00	18.40	18.19	18.31
85.0	11.86	11.79	11.30	11.05	11.14	11.57	11.70	12.18	12.79	12.58
87.5	2.47	2.96	2.89	3.18	2.91	3.33	3.50	3.91	4.02	4.45
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

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135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77
2.5	1682.48	1711.80	1669.59	1778.16	1797.01	1786.25	1800.53	1850.86	1949.68	1957.85
5.0	1436.38	1424.11	1495.61	1550.82	1604.89	1681.77	1778.24	1822.15	1934.06	1982.25
7.5	1170.21	1202.97	1277.51	1322.95	1415.84	1547.14	1686.86	1778.39	1929.05	2050.03
10.0	955.32	983.21	1046.27	1124.92	1254.69	1414.09	1593.72	1750.01	1925.26	2083.49
12.5	742.89	775.36	857.54	958.81	1092.29	1265.02	1498.83	1716.20	1937.98	2144.02
15.0	590.39	634.78	695.26	793.27	957.76	1156.06	1396.17	1673.46	1956.26	2188.79
17.5	499.13	523.39	580.22	668.14	807.99	1030.53	1296.78	1615.50	1924.85	2237.23
20.0	440.57	453.03	497.61	574.59	706.37	912.85	1199.86	1544.15	1926.38	2281.26
22.5	422.58	428.90	451.81	503.86	603.20	806.62	1115.26	1479.37	1881.97	2303.03
25.0	424.73	429.20	433.20	471.91	546.34	728.09	999.86	1393.94	1852.44	2308.20
27.5	446.35	443.05	445.84	451.19	504.51	649.01	908.27	1333.89	1815.90	2308.99
30.0	472.98	462.14	452.07	445.80	479.62	592.21	827.75	1243.80	1768.76	2292.39
32.5	489.54	484.82	466.53	456.39	468.71	543.92	762.64	1171.96	1714.54	2273.49
35.0	506.36	498.60	482.17	468.66	465.11	517.30	696.69	1093.46	1637.56	2234.85
37.5	505.96	503.33	494.55	473.58	455.28	488.88	637.73	1008.35	1567.84	2177.29
40.0	496.32	493.84	487.82	473.96	452.06	460.71	584.85	929.07	1463.18	2062.36
42.5	464.28	468.21	472.43	456.56	434.99	433.47	531.61	836.88	1328.59	1914.14
45.0	428.06	439.91	439.34	433.18	419.76	409.84	482.32	751.24	1194.55	1741.34
47.5	380.60	394.35	403.23	397.61	388.56	375.72	438.64	667.39	1064.99	1537.56
50.0	343.13	347.88	355.37	361.02	352.05	339.93	388.13	569.54	910.12	1326.87
52.5	287.41	292.76	305.53	315.02	306.16	302.95	338.50	489.20	766.83	1108.54
55.0	238.99	247.10	259.27	262.50	264.78	256.62	291.65	406.24	619.76	894.90
57.5	194.23	198.30	208.03	217.78	217.24	216.60	244.16	328.06	493.01	691.81
60.0	154.69	158.59	167.55	174.35	174.39	178.91	200.87	266.32	384.53	532.67
62.5	118.92	127.13	131.34	138.40	143.21	144.47	163.54	211.49	294.93	399.00
65.0	94.12	96.40	102.83	108.72	110.94	115.03	129.36	164.22	225.76	295.02
67.5	72.53	75.51	81.05	84.76	88.74	92.51	101.73	129.05	165.54	214.08
70.0	57.03	57.43	60.87	65.65	68.95	72.79	79.96	96.39	122.58	156.21
72.5	46.83	45.24	48.12	50.27	54.14	56.13	61.49	73.18	90.23	109.52
75.0	34.47	36.62	38.08	39.86	41.74	43.43	47.18	55.68	66.37	79.60
77.5	28.59	29.60	29.79	29.89	31.32	32.87	35.72	40.54	47.21	55.13
80.0	22.96	23.09	23.95	23.62	24.72	26.29	26.67	29.92	34.06	39.03

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CANDELA TABULATION - (Cont.)

82.5	18.92	18.48	17.94	18.05	18.29	18.83	19.43	21.28	23.34	24.43
85.0	12.92	12.15	11.52	11.73	10.89	11.52	11.05	11.69	12.94	12.85
87.5	3.83	3.93	3.82	3.67	3.38	3.02	2.90	2.80	3.12	3.05
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.03	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert.
Angles**

Horizontal Angles

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0.0	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77
2.5	2026.16	2040.73	2073.44	2103.77	2115.72	2162.59	2114.12	2145.03	2146.21	2144.75
5.0	2059.47	2147.40	2169.48	2204.18	2266.72	2325.42	2325.26	2318.24	2315.54	2301.97
7.5	2173.40	2245.22	2310.64	2384.13	2477.04	2518.15	2560.77	2565.24	2554.89	2519.49
10.0	2234.20	2380.84	2513.54	2588.01	2709.59	2787.00	2821.46	2813.89	2815.07	2785.30
12.5	2317.41	2523.43	2674.39	2833.61	2934.21	3005.06	3087.73	3071.89	3064.60	3006.69
15.0	2427.63	2643.23	2847.66	3037.73	3160.15	3272.83	3332.33	3361.00	3310.63	3263.08
17.5	2516.32	2806.65	3049.37	3261.83	3413.91	3525.86	3591.26	3608.12	3589.01	3527.69
20.0	2614.21	2943.37	3235.45	3445.01	3608.86	3754.88	3814.34	3843.69	3800.68	3766.27
22.5	2678.37	3069.88	3383.15	3644.41	3830.61	3943.16	4033.74	4050.84	4004.65	3950.24
25.0	2741.00	3163.69	3512.79	3766.36	4017.92	4142.89	4181.59	4208.27	4183.08	4109.34
27.5	2788.84	3253.09	3617.46	3911.33	4142.49	4247.54	4312.94	4341.04	4315.01	4250.28

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CANDELA TABULATION - (Cont.)

30.0	2834.79	3299.31	3691.07	3992.16	4230.19	4369.51	4436.33	4463.18	4431.95	4351.49
32.5	2852.61	3336.41	3724.30	4046.33	4309.67	4468.72	4549.71	4542.20	4532.59	4442.30
35.0	2829.95	3345.79	3772.79	4082.58	4350.48	4512.69	4567.26	4592.08	4562.86	4494.44
37.5	2763.37	3279.13	3697.68	4043.47	4297.27	4432.02	4499.69	4498.56	4469.16	4414.90
40.0	2657.75	3165.02	3576.96	3896.53	4116.18	4228.69	4299.20	4272.12	4260.80	4233.27
42.5	2489.12	2979.58	3349.31	3648.24	3837.19	3931.29	3930.89	3919.22	3903.26	3909.70
45.0	2269.90	2736.43	3072.38	3320.70	3444.27	3485.43	3453.74	3429.60	3439.26	3471.37
47.5	2026.35	2419.19	2732.99	2924.45	2993.13	2993.02	2931.47	2901.00	2925.53	2970.37
50.0	1744.13	2102.05	2348.92	2499.91	2510.70	2453.21	2402.63	2367.72	2381.84	2442.33
52.5	1452.06	1748.89	1956.95	2025.25	2005.92	1935.41	1870.65	1839.30	1865.84	1929.02
55.0	1164.18	1403.83	1553.95	1588.27	1540.99	1461.31	1406.60	1381.12	1403.52	1463.44
57.5	910.29	1095.11	1196.12	1200.15	1138.23	1075.27	1032.33	1012.07	1023.36	1076.20
60.0	691.29	830.69	891.91	878.96	827.52	778.11	737.95	720.13	731.86	772.30
62.5	518.83	606.66	650.80	636.91	589.64	551.75	525.77	516.35	526.33	551.26
65.0	373.29	440.02	464.71	451.23	418.44	395.43	377.20	370.04	371.12	393.44
67.5	271.90	312.83	325.07	313.39	296.25	279.55	267.37	261.55	266.29	279.81
70.0	189.91	218.15	227.75	219.65	208.07	196.99	190.02	191.35	190.08	198.51
72.5	132.73	150.18	158.53	155.20	149.04	141.49	136.72	134.82	136.15	142.30
75.0	93.62	103.57	109.75	106.25	104.43	100.96	97.55	95.25	96.15	98.38
77.5	63.08	71.62	74.57	72.93	71.75	70.08	67.27	66.30	66.49	69.27
80.0	43.51	45.79	49.30	47.72	47.51	45.28	43.48	43.74	43.83	44.48
82.5	26.69	28.91	30.19	29.61	27.78	27.39	27.52	26.59	26.57	27.00
85.0	13.85	14.06	13.77	14.64	13.47	13.43	12.85	12.75	12.43	13.49
87.5	3.17	2.95	2.65	1.99	1.75	1.38	1.11	1.36	1.35	1.35
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
132.5	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00
135.0	0.00	0.02	0.00	0.00	0.03	0.28	0.15	0.00	0.00	0.00
137.5	0.00	0.07	0.18	0.04	0.09	0.49	0.28	0.00	0.00	0.00
140.0	0.00	0.09	0.23	0.06	0.01	0.17	0.04	0.00	0.00	0.00
142.5	0.00	0.05	0.13	0.05	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.06	0.02	0.00	0.00	0.00	0.01	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.01	0.09	0.01	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
167.5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

170.0	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
172.5	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	300	310	320	330	340	350	360
0.0	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77	2037.77
2.5	2099.50	2086.19	2070.80	2067.41	2021.41	1969.01	1937.23
5.0	2263.54	2246.51	2189.33	2135.13	2038.36	2004.81	1910.46
7.5	2432.83	2405.57	2335.77	2269.65	2151.90	2022.71	1903.74
10.0	2722.03	2594.75	2489.14	2344.05	2244.68	2089.46	1947.35
12.5	2928.58	2808.23	2670.89	2515.75	2347.89	2135.10	1937.47
15.0	3162.84	3034.59	2850.64	2633.77	2432.60	2165.98	1918.72
17.5	3394.27	3249.46	3029.81	2798.97	2515.07	2232.84	1930.34
20.0	3636.41	3463.84	3230.29	2928.92	2613.44	2277.45	1922.83
22.5	3834.41	3641.88	3374.61	3041.14	2691.20	2282.55	1885.05
25.0	3989.24	3775.93	3500.70	3160.43	2733.42	2299.64	1861.06
27.5	4115.67	3914.19	3593.23	3234.28	2792.01	2304.57	1813.19
30.0	4208.80	3987.17	3688.22	3278.01	2810.23	2272.54	1763.28
32.5	4297.63	4057.51	3730.03	3349.19	2830.38	2261.24	1720.64
35.0	4320.17	4095.72	3729.03	3336.56	2828.12	2233.64	1650.58
37.5	4257.33	4020.84	3680.75	3259.69	2766.85	2165.33	1557.65
40.0	4092.09	3866.85	3561.75	3145.61	2648.38	2048.79	1458.57
42.5	3819.09	3626.48	3337.29	2951.28	2473.88	1903.55	1326.03
45.0	3440.87	3295.11	3046.22	2693.97	2260.47	1733.69	1201.67
47.5	2973.37	2907.52	2718.50	2408.57	2011.76	1532.20	1050.40
50.0	2492.43	2472.79	2335.26	2089.77	1743.01	1317.71	905.74
52.5	1980.61	2002.62	1930.03	1739.94	1439.60	1099.52	758.91
55.0	1541.11	1572.10	1543.99	1405.87	1162.75	882.67	620.27
57.5	1142.66	1188.99	1186.53	1086.37	908.37	694.98	489.64
60.0	824.51	870.30	883.45	821.87	688.15	530.23	383.25
62.5	589.79	630.03	647.97	605.71	510.11	396.91	292.02
65.0	419.38	449.93	462.76	432.43	370.24	291.39	222.50
67.5	296.02	312.44	326.57	309.74	268.36	213.37	166.43
70.0	208.97	219.96	227.79	216.01	188.21	155.17	122.03
72.5	148.72	155.06	161.88	153.44	132.42	109.33	90.04
75.0	104.09	109.04	108.53	102.91	94.06	78.32	64.57
77.5	72.89	72.58	72.25	70.06	64.42	55.24	47.88
80.0	47.13	48.11	48.57	46.72	41.89	38.06	33.70
82.5	28.38	28.95	29.66	28.09	26.63	25.07	22.35
85.0	13.62	13.37	13.62	14.98	14.09	13.21	11.86
87.5	1.72	2.20	2.67	2.80	2.83	3.16	2.47
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.01	0.00	0.01
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.01	0.00	0.01	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.03	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.01	0.00	0.05	0.00	0.00	0.00	0.00
170.0	0.01	0.00	0.01	0.00	0.01	0.00	0.00
172.5	0.00	0.00	0.01	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	731.44	N.A.	13.50
0-30	1693.09	N.A.	31.30
0-40	3019.24	N.A.	55.90
0-60	5042.26	N.A.	93.30
0-80	5389.7	N.A.	99.70
0-90	5404.95	N.A.	100.00
10-90	5224.01	N.A.	96.70
20-40	2287.8	N.A.	42.30
20-50	3570.85	N.A.	66.10
40-70	2291.05	N.A.	42.40
60-80	347.44	N.A.	6.40
70-80	79.41	N.A.	1.50
80-90	15.26	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.01	N.A.	0.00
90-180	0.02	N.A.	0.00
110-180	0.02	N.A.	0.00
0-180	5404.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	180.95
10-20	550.49
20-30	961.66
30-40	1326.15
40-50	1283.04
50-60	739.98
60-70	268.03
70-80	79.41
80-90	15.26
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.01
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

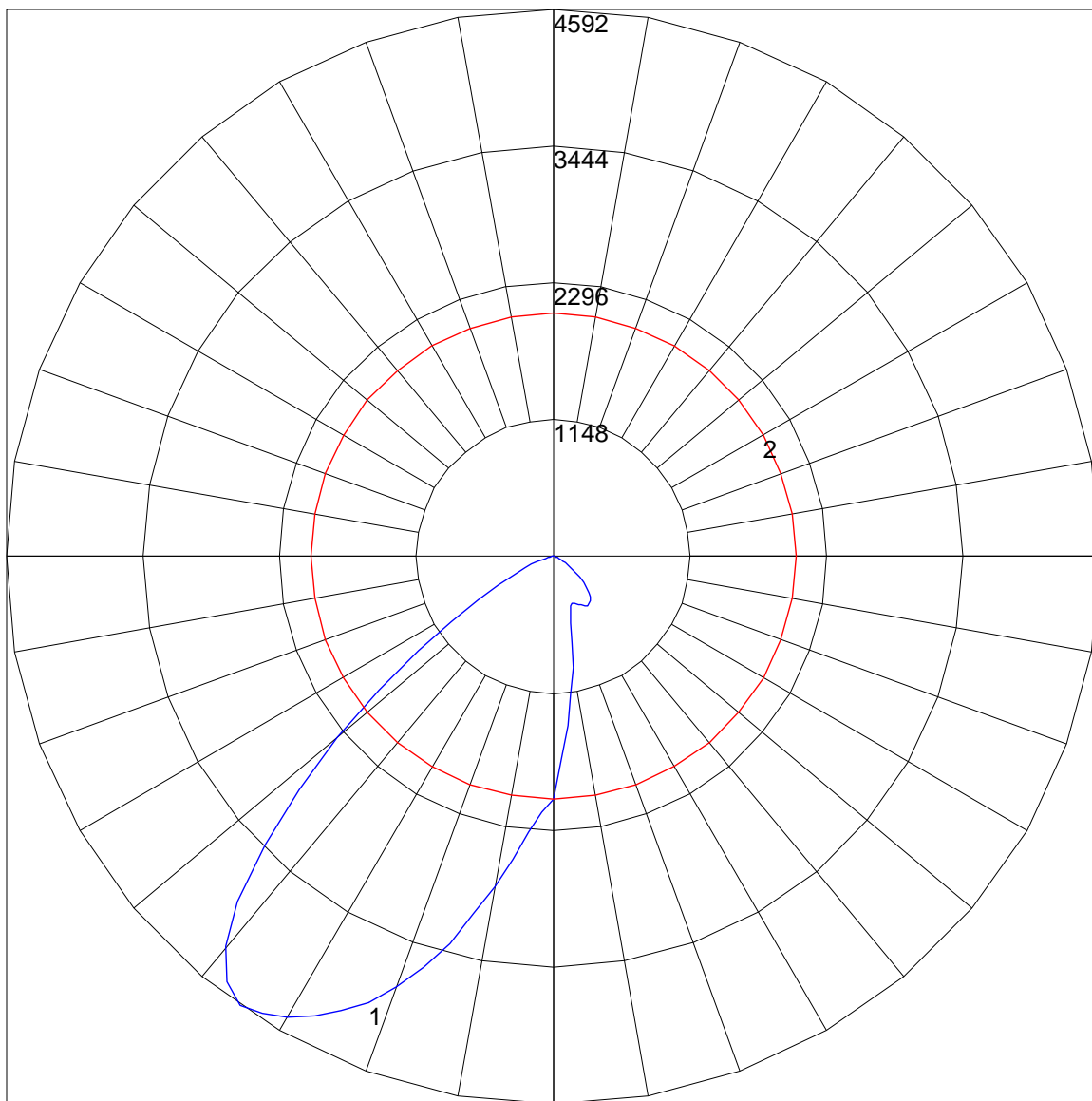
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	85	78	73	92	84	77	72	81	76	71	78	74	70	76	72	69	67
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	60	54	66	59	54	64	58	53	62	57	53	51
6	74	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7	69	57	48	43	67	56	48	42	54	47	42	53	47	42	52	46	42	40
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29

POLAR GRAPH



Maximum Candela = 4592.08 Located At Horizontal Angle = 270, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)