



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-2A-6500°K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]  
 [TESTLAB] BEGHELLI  
 [TESTDATE] 2017/9/29  
 [ISSUEDATE] 2017/9/29 11:30:05  
 [NEARFIELD]  
 [LAMPPOSITION] "0,0"  
 [OTHER]  
 [MANUFAC] BEGHELLI  
 [LUMCAT]  
 [LUMINAIRE] BLS-2A - 6500°K

### CHARACTERISTICS

Lumens Per Lamp	1478 (1 lamp)
Total Lamp Lumens	1478
Luminaire Lumens	1478
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	18
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.96
Spacing Criterion (90-270)	1.92
Spacing Criterion (Diagonal)	1.78
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 m
Luminous Width (90-270)	0.10 m
Luminous Height	0.00 m

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	60081	86110	60522
55	36609	101019	93787
65	10956	93479	195512
75	6585	33148	43873
85	6744	10844	16435

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**CANDELA TABULATION**

	<u>0</u>	<u>30</u>	<u>60</u>	<u>90</u>	<u>120</u>	<u>150</u>	<u>180</u>	<u>210</u>	<u>240</u>	<u>270</u>
<b>0</b>	320.029	320.029	320.029	320.029	320.029	320.029	320.029	320.029	320.029	320.029
<b>1</b>	324.890	324.720	319.810	317.920	317.400	318.510	317.340	318.440	315.920	317.560
<b>2</b>	328.290	328.150	321.910	318.090	315.590	314.780	312.990	314.860	313.760	317.420
<b>3</b>	331.650	331.060	324.380	318.520	313.430	310.780	307.640	310.670	311.200	317.530
<b>4</b>	334.740	334.490	326.830	319.170	311.270	306.210	301.980	306.010	308.820	317.900
<b>5</b>	338.130	337.250	329.660	319.990	309.130	301.310	295.910	301.040	306.680	318.330
<b>6</b>	341.620	340.610	332.360	320.750	306.860	295.850	289.180	296.190	304.610	318.980
<b>7</b>	345.190	344.040	335.180	321.720	304.930	290.170	282.350	290.420	302.530	319.890
<b>8</b>	348.980	347.480	337.910	322.780	302.810	283.850	274.880	284.270	300.440	321.120
<b>9</b>	353.230	351.900	341.000	323.910	300.370	277.690	266.240	278.290	297.930	322.340
<b>10</b>	358.440	356.610	344.610	325.080	298.190	271.410	258.090	271.980	295.830	323.820
<b>11</b>	364.260	362.270	348.040	326.350	296.150	265.110	250.510	265.570	293.810	325.330
<b>12</b>	370.950	368.920	351.990	327.850	293.470	258.800	241.730	258.510	291.660	326.860
<b>13</b>	378.270	376.310	356.530	329.510	290.980	252.160	233.400	252.020	289.270	328.100
<b>14</b>	386.310	384.670	361.340	331.100	287.940	245.090	223.910	244.690	286.690	329.300
<b>15</b>	395.220	393.480	366.070	332.520	284.720	237.560	214.590	238.100	283.760	330.870
<b>16</b>	405.290	402.620	371.630	333.800	281.470	229.730	205.860	230.160	280.790	332.550
<b>17</b>	415.720	412.780	377.450	335.400	277.640	221.830	195.850	222.650	277.300	334.080
<b>18</b>	426.200	423.230	383.860	337.310	273.970	214.210	186.480	214.900	274.200	335.750
<b>19</b>	437.150	434.670	390.970	339.300	270.030	206.340	176.620	207.470	270.770	337.830
<b>20</b>	448.590	445.930	398.870	341.410	266.200	198.250	167.190	199.200	267.470	339.910
<b>21</b>	459.710	457.190	406.920	343.390	262.300	189.460	157.550	190.740	263.720	342.180
<b>22</b>	470.800	468.460	415.210	345.320	258.380	180.670	147.670	182.290	260.220	344.480
<b>23</b>	481.880	480.400	424.130	347.810	254.650	172.100	139.160	174.910	256.670	347.010
<b>24</b>	492.410	492.130	432.680	350.600	250.480	163.720	129.750	166.870	253.270	349.760
<b>25</b>	502.930	503.530	441.560	353.860	246.440	155.060	121.930	159.000	249.910	353.040
<b>26</b>	512.480	514.660	449.830	356.840	241.620	147.030	113.290	151.230	245.760	356.730
<b>27</b>	521.240	525.120	458.830	359.810	237.230	138.890	105.760	143.900	241.950	360.060
<b>28</b>	528.510	534.660	468.150	362.580	232.910	131.230	99.210	136.800	237.970	363.250
<b>29</b>	535.290	544.860	478.410	365.480	228.280	123.910	92.660	129.380	234.140	366.750
<b>30</b>	540.840	553.740	487.740	368.840	223.320	117.360	86.670	123.120	230.160	370.120
<b>31</b>	545.220	561.020	497.490	372.040	218.540	111.490	81.160	116.550	225.980	373.650
<b>32</b>	548.870	567.550	506.600	375.680	213.820	105.720	76.120	110.640	221.550	377.000
<b>33</b>	551.300	573.360	516.400	379.230	209.220	100.140	72.140	104.310	216.800	380.090
<b>34</b>	552.920	579.060	525.970	382.950	204.360	94.340	68.640	98.530	212.010	383.100
<b>35</b>	553.020	583.220	536.210	386.590	198.810	88.820	65.600	92.870	206.430	386.170
<b>36</b>	551.010	587.020	545.860	390.230	193.280	83.630	63.170	87.890	201.180	389.640
<b>37</b>	546.800	589.930	555.980	392.870	187.160	78.980	61.360	83.000	195.480	393.110
<b>38</b>	540.310	592.030	566.000	396.130	181.820	74.190	60.560	77.990	190.390	396.780
<b>39</b>	532.440	593.940	576.140	399.640	175.940	69.890	59.860	73.400	184.890	400.220
<b>40</b>	520.760	594.870	586.670	403.620	170.450	65.580	60.000	69.470	180.070	404.000
<b>41</b>	505.760	593.530	597.770	408.130	165.200	61.540	60.480	65.580	175.430	408.010
<b>42</b>	488.550	590.990	610.000	412.810	159.600	57.630	62.730	62.050	170.030	412.630
<b>43</b>	468.840	586.920	622.370	417.320	154.430	53.850	66.130	58.140	164.890	417.670
<b>44</b>	447.430	580.790	634.070	422.430	148.720	50.370	71.570	54.010	159.390	423.070
<b>45</b>	425.020	571.010	647.280	428.140	143.620	46.880	79.110	50.630	154.430	428.610
<b>46</b>	403.400	558.430	661.240	433.920	138.500	44.000	93.250	47.230	149.670	434.800
<b>47</b>	380.920	543.190	675.670	440.690	133.560	41.380	115.020	44.450	145.350	441.460
<b>48</b>	359.480	525.650	690.660	448.280	128.500	39.440	152.340	42.200	140.780	449.450
<b>49</b>	336.920	506.110	706.820	457.050	123.990	37.760	174.360	40.140	136.520	458.260
<b>50</b>	315.570	484.520	723.390	467.350	119.610	36.550	173.710	38.810	132.110	469.440
<b>51</b>	292.720	461.740	741.790	478.220	115.490	35.610	157.620	37.800	128.220	482.130
<b>52</b>	270.190	438.360	758.710	490.330	111.540	34.940	127.850	37.140	124.360	495.140
<b>53</b>	249.930	412.430	773.000	503.800	107.450	34.170	102.300	36.700	120.520	509.270

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**CANDELA TABULATION - (Cont.)**

54	228.740	388.740	786.480	518.580	103.530	33.350	95.170	35.720	116.690	524.410
55	210.070	362.550	796.790	538.170	99.600	33.250	131.200	34.430	113.050	543.490
56	192.190	336.510	803.750	560.790	96.210	33.510	148.870	33.580	109.470	567.420
57	174.330	308.340	806.570	587.350	93.270	32.030	149.350	33.310	106.350	596.450
58	157.150	282.070	805.150	616.020	90.360	30.170	123.570	32.010	103.240	628.310
59	139.740	258.580	798.940	649.170	87.340	28.640	90.460	30.360	100.120	665.140
60	117.360	236.540	787.500	683.680	84.560	27.510	71.700	29.050	97.600	703.760
61	93.010	216.270	772.550	719.320	81.860	27.240	58.010	28.660	95.030	742.670
62	76.630	196.980	753.390	751.360	79.290	27.050	48.430	28.930	92.620	777.750
63	65.980	174.770	731.520	781.690	77.070	26.250	43.920	27.760	90.350	811.030
64	55.890	145.320	704.640	807.040	74.910	24.670	40.850	26.670	88.120	838.430
65	46.320	119.400	671.050	826.620	73.370	23.790	38.670	25.610	86.230	857.750
66	39.690	103.290	639.350	832.780	72.550	22.920	37.010	24.860	85.700	864.630
67	34.600	87.290	603.050	827.530	72.440	22.310	35.620	24.310	85.770	853.010
68	30.960	73.420	565.780	806.490	72.860	21.850	34.300	23.680	86.450	810.840
69	28.200	61.460	524.940	756.290	74.250	21.530	33.370	23.090	88.190	738.920
70	25.740	51.820	479.040	669.120	76.360	21.260	33.830	22.730	90.840	630.090
71	23.600	44.290	428.370	551.780	78.920	21.060	33.610	22.440	94.750	458.990
72	21.700	38.340	368.100	379.470	81.570	20.790	32.450	22.260	98.310	291.200
73	20.050	33.370	296.050	265.110	82.180	20.590	30.630	22.020	99.790	186.970
74	18.490	29.180	220.850	151.700	77.970	20.480	29.510	21.720	95.200	135.700
75	17.050	25.790	145.870	113.600	68.230	20.350	29.500	21.450	82.300	104.710
76	15.680	22.900	100.060	88.490	55.780	20.400	28.850	21.230	64.620	71.290
77	13.650	20.360	62.620	60.600	44.030	20.460	26.770	20.840	48.870	41.510
78	12.810	18.140	39.610	35.440	34.280	20.430	24.290	20.240	36.400	26.250
79	12.120	16.340	29.440	22.900	26.640	19.890	21.940	19.470	27.670	20.510
80	11.000	15.000	23.220	19.200	21.070	18.800	16.870	18.440	21.500	17.750
81	9.960	13.790	19.040	17.390	17.320	17.210	14.140	17.260	17.770	15.760
82	8.860	12.560	16.210	15.970	14.690	15.590	12.400	15.790	14.990	14.450
83	7.690	10.950	14.260	15.410	13.040	13.950	11.520	14.540	13.250	13.430
84	6.720	9.420	12.560	15.590	11.580	12.500	10.770	13.270	11.800	12.230
85	5.880	8.040	10.870	14.330	10.350	11.110	9.960	12.280	10.540	10.770
86	5.280	6.880	9.450	12.700	9.150	9.870	9.150	11.250	9.390	9.330
87	4.710	6.010	7.890	11.520	8.180	8.650	8.510	10.120	8.350	8.100
88	4.400	5.450	7.120	10.670	7.580	7.580	8.020	9.020	7.740	7.150
89	4.220	5.300	6.680	9.810	7.170	6.710	7.410	7.700	7.440	6.750
90	4.100	5.280	6.750	9.170	6.980	6.100	7.070	7.030	7.340	6.990
91	3.970	5.230	6.980	9.090	6.960	5.830	6.620	6.650	7.340	7.140
92	3.890	5.190	7.230	9.190	7.120	5.850	6.510	6.670	7.500	7.250
93	3.890	5.220	7.500	9.300	7.260	5.900	6.510	6.750	7.650	6.380
94	3.920	5.470	7.930	9.330	7.360	5.930	6.510	6.790	7.740	6.590
95	3.980	5.890	8.270	9.190	7.420	5.930	6.510	6.800	7.830	6.880
96	4.050	6.220	8.480	9.450	7.530	5.930	6.540	6.830	7.930	7.110
97	4.000	5.970	8.390	9.960	7.660	5.940	6.560	6.860	8.070	7.200
98	3.860	5.480	7.880	10.740	7.750	5.980	6.600	6.880	8.180	7.360
99	3.710	5.140	6.980	10.840	7.800	6.060	6.560	6.950	8.270	7.410
100	3.610	4.950	6.440	11.080	7.770	6.130	6.460	7.030	8.310	7.250
101	3.530	4.800	5.930	10.310	7.770	6.210	6.400	7.120	8.270	7.170
102	3.480	4.630	5.450	9.020	7.780	6.320	6.400	7.230	8.290	7.190
103	3.480	4.500	5.310	8.750	7.860	6.430	6.410	7.360	8.290	7.040
104	3.500	4.350	5.280	8.370	7.990	6.560	6.480	7.500	8.370	6.900
105	3.530	4.250	5.280	8.020	8.160	6.700	6.600	7.660	8.540	7.040
106	3.590	4.210	5.280	7.970	8.310	6.870	6.720	7.830	8.680	7.220
107	3.670	4.160	5.260	8.100	8.440	7.030	6.900	8.020	8.840	7.390
108	3.740	4.140	5.220	8.260	8.590	7.220	7.070	8.200	8.980	7.530
109	3.780	4.110	5.200	8.400	8.730	7.380	7.250	8.390	9.130	7.670

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**CANDELA TABULATION - (Cont.)**

110	3.830	4.080	5.160	8.540	8.860	7.570	7.420	8.570	9.250	7.800
111	3.840	4.050	5.120	8.680	8.970	7.700	7.580	8.750	9.390	7.910
112	3.870	4.020	5.090	8.830	9.090	7.880	7.740	8.940	9.520	8.020
113	3.900	4.020	5.070	8.950	9.210	8.040	7.890	9.090	9.650	8.100
114	3.940	4.000	5.060	9.070	9.290	8.200	8.080	9.260	9.760	8.200
115	3.970	4.000	5.040	9.170	9.360	8.330	8.240	9.420	9.850	8.260
116	4.030	3.970	5.010	9.250	9.420	8.490	8.410	9.580	9.950	8.310
117	4.060	3.970	4.990	9.300	9.470	8.620	8.570	9.740	10.010	8.350
118	4.100	4.000	4.990	9.330	9.500	8.760	8.710	9.880	10.080	8.390
119	4.130	4.000	4.980	9.380	9.530	8.870	8.870	10.010	10.130	8.410
120	4.160	4.020	4.990	9.390	9.530	8.950	9.000	10.120	10.180	8.470
121	4.190	4.050	4.990	9.410	9.530	9.030	9.130	10.230	10.210	8.490
122	4.220	4.100	5.010	9.440	9.530	9.110	9.230	10.340	10.240	8.540
123	4.270	4.130	5.010	9.470	9.500	9.190	9.340	10.450	10.260	8.590
124	4.320	4.160	5.030	9.520	9.500	9.260	9.450	10.560	10.270	8.630
125	4.350	4.220	5.040	9.550	9.470	9.340	9.580	10.670	10.270	8.680
126	4.410	4.290	5.040	9.600	9.450	9.410	9.690	10.750	10.290	8.750
127	4.460	4.370	5.070	9.630	9.450	9.470	9.800	10.840	10.290	8.780
128	4.500	4.440	5.110	9.680	9.450	9.520	9.890	10.920	10.290	8.830
129	4.560	4.500	5.140	9.720	9.450	9.580	9.990	11.000	10.270	8.870
130	4.610	4.570	5.190	9.770	9.470	9.630	10.080	11.060	10.260	8.920
131	4.680	4.630	5.230	9.800	9.520	9.680	10.160	11.110	10.230	8.980
132	4.740	4.710	5.300	9.870	9.570	9.710	10.230	11.160	10.210	9.050
133	4.800	4.770	5.380	9.930	9.610	9.740	10.290	11.190	10.180	9.110
134	4.870	4.840	5.430	10.030	9.710	9.770	10.340	11.210	10.160	9.210
135	4.930	4.900	5.510	10.100	9.790	9.800	10.390	11.210	10.150	9.290
136	5.010	4.960	5.580	10.210	9.880	9.810	10.420	11.210	10.130	9.380
137	5.090	5.040	5.660	10.310	9.970	9.850	10.430	11.210	10.100	9.450
138	5.160	5.110	5.740	10.400	10.080	9.880	10.450	11.210	10.070	9.530
139	5.230	5.160	5.800	10.480	10.180	9.890	10.450	11.170	10.040	9.610
140	5.310	5.240	5.860	10.540	10.270	9.930	10.450	11.160	10.030	9.680
141	5.390	5.320	5.900	10.620	10.370	9.970	10.450	11.140	10.010	9.760
142	5.480	5.390	5.970	10.690	10.450	10.010	10.450	11.110	10.010	9.800
143	5.560	5.450	6.020	10.750	10.540	10.050	10.450	11.060	9.990	9.850
144	5.660	5.510	6.060	10.810	10.620	10.080	10.450	11.030	9.990	9.890
145	5.750	5.580	6.130	10.860	10.700	10.130	10.450	10.980	9.990	9.950
146	5.850	5.640	6.190	10.890	10.780	10.160	10.430	10.940	9.990	9.960
147	5.940	5.690	6.250	10.920	10.840	10.210	10.420	10.890	9.990	10.010
148	6.040	5.750	6.320	10.950	10.900	10.260	10.400	10.840	9.990	10.030
149	6.140	5.810	6.370	10.970	10.950	10.290	10.400	10.790	10.010	10.040
150	6.240	5.860	6.440	10.970	10.980	10.320	10.390	10.770	10.010	10.050
151	6.350	5.930	6.510	10.970	11.030	10.370	10.390	10.710	10.030	10.050
152	6.440	6.010	6.570	10.970	11.080	10.420	10.390	10.670	10.030	10.050
153	6.540	6.060	6.650	10.970	11.100	10.450	10.390	10.630	10.030	10.040
154	6.630	6.130	6.710	10.970	11.130	10.500	10.400	10.610	10.030	10.030
155	6.720	6.210	6.790	10.950	11.140	10.530	10.400	10.580	10.030	10.010
156	6.830	6.290	6.870	10.950	11.140	10.560	10.430	10.540	10.010	9.990
157	6.930	6.370	6.950	10.950	11.160	10.580	10.450	10.510	10.010	9.970
158	7.030	6.460	7.030	10.940	11.160	10.610	10.480	10.500	10.010	9.970
159	7.140	6.540	7.120	10.940	11.160	10.620	10.500	10.470	9.990	9.970
160	7.250	6.620	7.200	10.920	11.140	10.630	10.510	10.430	9.970	9.990
161	7.340	6.720	7.280	10.900	11.130	10.660	10.510	10.420	9.960	10.030
162	7.450	6.840	7.360	10.870	11.100	10.660	10.530	10.400	9.930	10.050
163	7.570	6.950	7.450	10.840	11.050	10.660	10.540	10.390	9.890	10.080
164	7.660	7.060	7.550	10.790	11.030	10.630	10.530	10.350	9.870	10.120
165	7.780	7.190	7.650	10.750	10.980	10.630	10.530	10.320	9.810	10.160

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

166	7.890	7.330	7.740	10.700	10.950	10.610	10.530	10.290	9.770	10.200
167	8.040	7.450	7.810	10.660	10.900	10.590	10.510	10.230	9.720	10.230
168	8.130	7.570	7.890	10.610	10.860	10.580	10.480	10.200	9.660	10.240
169	8.240	7.660	7.970	10.560	10.810	10.540	10.430	10.150	9.610	10.260
170	8.370	7.770	8.070	10.510	10.770	10.510	10.390	10.080	9.570	10.270
171	8.490	7.890	8.160	10.500	10.710	10.470	10.350	10.030	9.520	10.290
172	8.620	8.010	8.270	10.480	10.690	10.430	10.310	9.950	9.450	10.290
173	8.710	8.120	8.350	10.470	10.660	10.370	10.240	9.870	9.410	10.310
174	8.780	8.230	8.440	10.450	10.610	10.320	10.130	9.770	9.340	10.310
175	8.870	8.350	8.540	10.450	10.560	10.260	10.030	9.660	9.300	10.320
176	9.000	8.490	8.630	10.450	10.500	10.200	9.920	9.550	9.230	10.350
177	9.130	8.670	8.750	10.450	10.470	10.120	9.840	9.450	9.170	10.390
178	9.260	8.830	8.860	10.450	10.420	10.040	9.740	9.340	9.140	10.400
179	9.410	9.000	8.980	10.450	10.370	9.970	9.650	9.230	9.060	10.420
180	9.530	9.530	9.530	9.530	9.530	9.530	9.530	9.530	9.530	9.530

Vert. Angles	Horizontal Angles		
	<u>300</u>	<u>330</u>	<u>360</u>
0	320.029	320.029	320.029
1	321.120	324.860	324.890
2	322.740	327.700	328.290
3	324.810	330.910	331.650
4	326.930	333.970	334.740
5	329.270	336.760	338.130
6	331.640	339.630	341.620
7	333.840	342.360	345.190
8	336.150	345.540	348.980
9	338.540	349.010	353.230
10	341.200	352.970	358.440
11	343.930	357.490	364.260
12	346.660	362.860	370.950
13	349.890	368.860	378.270
14	353.660	375.540	386.310
15	357.920	382.560	395.220
16	362.690	390.490	405.290
17	367.660	398.890	415.720
18	372.870	407.980	426.200
19	378.880	417.860	437.150
20	385.270	427.910	448.590
21	392.240	438.260	459.710
22	399.020	448.710	470.800
23	406.690	459.340	481.880
24	414.250	470.100	492.410
25	422.080	480.700	502.930
26	429.870	491.260	512.480
27	437.680	501.680	521.240
28	445.650	511.740	528.510
29	454.040	521.040	535.290
30	462.160	529.370	540.840
31	470.250	537.460	545.220
32	478.190	545.070	548.870
33	487.100	551.990	551.300
34	494.790	557.950	552.920
35	503.720	563.140	553.020
36	512.200	568.020	551.010

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

37	520.870	571.620	546.800
38	529.520	574.310	540.310
39	538.590	576.440	532.440
40	548.020	576.820	520.760
41	558.060	575.000	505.760
42	567.660	571.550	488.550
43	578.110	565.490	468.840
44	589.350	557.360	447.430
45	601.510	546.450	425.020
46	613.910	533.830	403.400
47	627.230	518.650	380.920
48	639.850	499.430	359.480
49	654.050	479.800	336.920
50	667.590	458.340	315.570
51	681.770	436.590	292.720
52	695.370	414.340	270.190
53	706.710	389.720	249.930
54	716.780	364.430	228.740
55	723.920	337.980	210.070
56	728.670	310.180	192.190
57	729.320	282.370	174.330
58	727.060	257.220	157.150
59	722.170	232.420	139.740
60	713.470	211.160	117.360
61	701.780	190.570	93.010
62	685.910	169.060	76.630
63	663.040	142.620	65.980
64	634.850	115.720	55.890
65	606.470	100.270	46.320
66	578.190	84.950	39.690
67	544.110	71.730	34.600
68	505.470	59.350	30.960
69	464.350	49.770	28.200
70	416.520	42.140	25.740
71	368.090	36.620	23.600
72	312.180	32.440	21.700
73	236.190	29.240	20.050
74	160.360	26.700	18.490
75	100.400	24.200	17.050
76	64.790	21.680	15.680
77	44.630	19.610	13.650
78	34.670	17.810	12.810
79	27.520	16.290	12.120
80	22.520	15.100	11.000
81	19.140	13.570	9.960
82	16.550	12.010	8.860
83	14.360	10.320	7.690
84	12.500	8.630	6.720
85	11.050	7.220	5.880
86	9.680	6.170	5.280
87	8.230	5.430	4.710
88	7.380	4.980	4.400
89	7.380	4.960	4.220
90	7.500	4.930	4.100
91	7.670	4.850	3.970
92	7.890	4.840	3.890

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

93	8.130	4.850	3.890
94	8.540	5.070	3.920
95	9.060	5.430	3.980
96	8.890	5.580	4.050
97	8.520	5.300	4.000
98	7.930	4.960	3.860
99	7.330	4.760	3.710
100	6.790	4.650	3.610
101	6.130	4.570	3.530
102	5.970	4.480	3.480
103	5.940	4.410	3.480
104	5.940	4.290	3.500
105	5.970	4.250	3.530
106	6.010	4.240	3.590
107	6.010	4.240	3.670
108	5.980	4.240	3.740
109	5.960	4.240	3.780
110	5.900	4.220	3.830
111	5.900	4.220	3.840
112	5.930	4.220	3.870
113	5.970	4.220	3.900
114	6.040	4.250	3.940
115	6.060	4.290	3.970
116	6.100	4.320	4.030
117	6.140	4.350	4.060
118	6.210	4.380	4.100
119	6.290	4.410	4.130
120	6.370	4.460	4.160
121	6.460	4.520	4.190
122	6.560	4.580	4.220
123	6.630	4.660	4.270
124	6.720	4.720	4.320
125	6.830	4.800	4.350
126	6.900	4.880	4.410
127	6.980	4.960	4.460
128	7.070	5.040	4.500
129	7.150	5.120	4.560
130	7.230	5.220	4.610
131	7.310	5.300	4.680
132	7.390	5.380	4.740
133	7.470	5.470	4.800
134	7.550	5.550	4.870
135	7.620	5.620	4.930
136	7.670	5.720	5.010
137	7.740	5.800	5.090
138	7.810	5.880	5.160
139	7.860	5.960	5.230
140	7.930	6.050	5.310
141	7.990	6.130	5.390
142	8.040	6.220	5.480
143	8.080	6.320	5.560
144	8.150	6.400	5.660
145	8.200	6.480	5.750
146	8.240	6.570	5.850
147	8.270	6.670	5.940
148	8.320	6.750	6.040

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

149	8.370	6.830	6.140
150	8.410	6.900	6.240
151	8.470	6.980	6.350
152	8.490	7.070	6.440
153	8.560	7.150	6.540
154	8.590	7.230	6.630
155	8.630	7.310	6.720
156	8.670	7.410	6.830
157	8.730	7.490	6.930
158	8.780	7.580	7.030
159	8.830	7.660	7.140
160	8.890	7.750	7.250
161	8.950	7.850	7.340
162	9.020	7.940	7.450
163	9.070	8.040	7.570
164	9.140	8.150	7.660
165	9.220	8.260	7.780
166	9.300	8.370	7.890
167	9.360	8.480	8.040
168	9.440	8.590	8.130
169	9.500	8.700	8.240
170	9.580	8.810	8.370
171	9.660	8.940	8.490
172	9.740	9.030	8.620
173	9.800	9.140	8.710
174	9.880	9.250	8.780
175	9.960	9.380	8.870
176	10.040	9.490	9.000
177	10.120	9.600	9.130
178	10.180	9.710	9.260
179	10.240	9.840	9.410
180	9.530	9.530	9.530



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-2A-6500°K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	120.82	8.20	8.20
0-30	274.92	18.60	18.60
0-40	492.52	33.30	33.30
0-60	1052.32	71.20	71.20
0-80	1418.14	95.90	96.00
0-90	1429.93	96.70	96.80
10-90	1399.59	94.70	94.70
20-40	371.70	25.10	25.20
20-50	638.39	43.20	43.20
40-70	839.20	56.80	56.80
60-80	365.82	24.80	24.80
70-80	86.43	5.80	5.80
80-90	11.78	0.80	0.80
90-110	14.26	1.00	1.00
90-120	21.35	1.40	1.40
90-130	28.29	1.90	1.90
90-150	40.18	2.70	2.70
90-180	47.98	3.20	3.20
110-180	33.72	2.30	2.30
0-180	1477.91	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	30.34
10-20	90.48
20-30	154.10
30-40	217.60
40-50	266.70
50-60	293.11
60-70	279.40
70-80	86.43
80-90	11.78
90-100	7.41
100-110	6.85
110-120	7.09
120-130	6.93
130-140	6.40
140-150	5.50
150-160	4.21
160-170	2.67
170-180	0.92

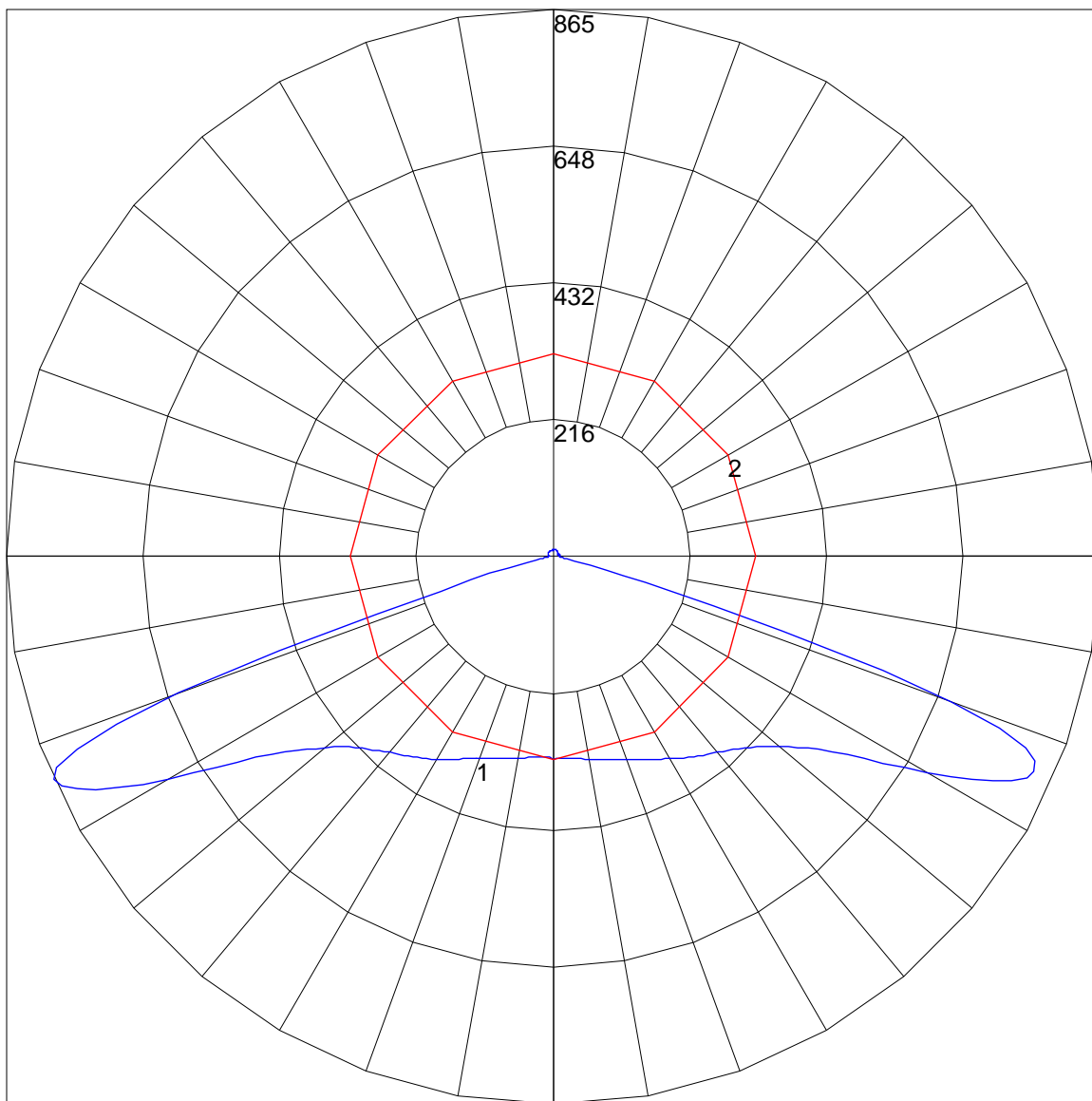
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-2A-6500°K.IES**

**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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	108	103	98	94	104	100	96	92	95	92	89	91	88	86	87	84	82	80
2	97	88	81	75	94	86	79	74	82	76	71	78	73	69	74	71	67	65
3	87	76	67	60	84	74	66	59	71	64	58	67	61	57	64	59	55	53
4	79	66	57	49	76	65	56	49	62	54	48	59	52	47	56	51	46	43
5	72	58	48	41	69	57	48	41	54	46	40	52	45	39	50	44	39	36
6	66	52	42	35	64	50	41	35	48	40	34	46	39	34	44	38	33	31
7	61	46	37	30	59	45	36	30	43	35	30	42	34	29	40	34	29	27
8	56	42	33	27	54	41	32	26	39	32	26	38	31	26	36	30	25	23
9	52	38	29	23	50	37	29	23	36	28	23	34	28	23	33	27	22	20
10	49	35	26	21	47	34	26	21	33	26	21	32	25	20	31	24	20	18

POLAR GRAPH



Maximum Candela = 864.63 Located At Horizontal Angle = 270, Vertical Angle = 66  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)