

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SPL-ST-123-35BK.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3138
 [ECN] 3165
 [TESTLAB] Tempo LLC
 [ISSUEDATE] 6/8/2017 12:50:26 PM
 [MANUFAC] Tempo LLC
 [LUMCAT] SPL-ST-123-35BK
 [LUMINAIRE] Black aluminum housing and coverplate with frosted lens
 [LAMP] Four (4) white LEDs (3500K)
 [ELECTRICALS] 12.02 VDC, 0.24 A, 1.00 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	22
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	8
Total Luminaire Watts	2.87
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.02
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	0.02
Basic Luminous Shape	Vertical Rectangle
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.09 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	17578	0
55	0	12131	0
65	0	7441	0
75	0	3862	0
85	0	1384	0

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
12.5	0.00	0.08	0.15	0.21	0.23	0.22	0.17	0.06	0.02	0.01
15.0	2.34	2.35	2.17	1.94	1.65	1.30	0.90	0.59	0.43	0.19
17.5	5.04	5.08	4.81	4.46	3.97	3.32	2.53	1.94	1.34	0.74
20.0	9.30	9.35	8.86	8.23	7.34	6.19	4.96	3.92	2.72	1.86
22.5	14.23	14.27	13.60	12.77	11.62	10.15	8.49	6.68	4.90	3.39
25.0	18.69	18.52	18.00	17.14	15.96	14.40	12.36	10.10	7.80	5.41
27.5	21.65	21.48	21.05	20.39	19.51	18.02	15.93	13.64	10.92	8.15
30.0	23.04	22.88	22.60	22.20	21.52	20.26	18.65	16.55	14.00	10.91
32.5	23.29	23.16	23.01	22.85	22.29	21.31	20.21	18.51	16.24	13.47
35.0	23.02	22.90	22.82	22.73	22.22	21.53	20.77	19.39	17.55	15.21
37.5	22.37	22.28	22.27	22.15	21.74	21.24	20.55	19.53	18.11	16.30
40.0	21.60	21.50	21.52	21.36	21.04	20.70	19.97	19.07	17.97	16.60
42.5	20.75	20.66	20.70	20.48	20.23	19.90	19.23	18.45	17.51	16.40
45.0	19.76	19.68	19.76	19.53	19.37	18.94	18.41	17.73	16.90	15.96
47.5	18.48	18.43	18.54	18.40	18.33	17.94	17.48	16.89	16.12	15.29
50.0	17.20	17.15	17.21	17.15	17.05	16.78	16.48	15.89	15.27	14.54
52.5	15.89	15.88	15.91	15.89	15.76	15.58	15.28	14.83	14.34	13.68
55.0	14.63	14.59	14.62	14.68	14.49	14.37	14.05	13.73	13.27	12.76
57.5	13.34	13.34	13.35	13.37	13.28	13.11	12.88	12.57	12.17	11.75
60.0	12.02	12.06	12.08	12.08	12.06	11.90	11.71	11.42	11.05	10.70
62.5	10.81	10.77	10.81	10.81	10.78	10.71	10.54	10.28	9.98	9.67
65.0	9.50	9.52	9.59	9.59	9.56	9.52	9.37	9.16	8.95	8.66
67.5	8.26	8.26	8.32	8.35	8.39	8.30	8.24	8.09	7.91	7.67
70.0	7.04	7.03	7.08	7.13	7.17	7.13	7.12	7.02	6.81	6.73
72.5	5.81	5.82	5.85	5.95	6.00	5.96	5.40	5.97	5.13	5.76
75.0	4.65	4.67	4.22	4.40	4.88	4.93	3.27	4.95	3.22	4.79
77.5	3.55	3.57	2.99	2.42	3.80	3.87	2.89	3.94	2.52	3.75
80.0	2.52	2.56	2.25	2.00	2.54	2.89	2.93	2.90	2.57	2.84
82.5	0.00	1.73	0.74	1.12	1.42	1.91	2.02	2.03	2.20	2.07
85.0	1.07	1.09	0.66	1.02	1.15	0.96	1.29	1.48	1.72	1.77
87.5	0.84	0.70	0.83	0.75	0.94	0.60	0.95	1.28	1.37	1.47
90.0	0.59	0.40	0.81	0.41	0.85	0.44	0.48	0.97	1.01	1.07
92.5	0.00	0.64	0.73	0.85	0.86	0.18	0.75	0.79	0.62	0.91
95.0	0.90	0.88	0.69	0.52	0.50	0.09	1.04	0.61	0.26	0.73
97.5	0.00	0.32	0.49	0.50	0.27	0.39	0.93	0.50	0.17	0.60
100.0	1.04	0.87	0.52	0.63	0.50	0.57	0.96	0.60	0.39	0.60
102.5	0.00	1.08	0.61	0.30	0.58	0.66	1.20	0.95	0.76	0.60
105.0	0.00	0.87	0.97	0.83	0.62	0.97	1.22	0.89	1.00	0.62
107.5	1.26	0.91	0.62	1.22	0.97	0.88	1.09	0.41	0.82	0.78
110.0	1.29	0.97	0.66	1.01	0.92	1.06	0.63	0.36	0.63	0.73
112.5	1.31	0.70	1.05	0.70	1.23	0.89	0.95	0.77	0.44	0.66
115.0	0.00	0.71	1.30	0.72	0.81	0.87	1.11	1.10	0.56	0.46
117.5	1.32	0.80	1.28	0.78	0.72	0.84	1.15	0.69	0.86	0.42
120.0	1.30	1.29	1.03	0.75	0.77	0.94	0.85	0.29	0.78	0.39
122.5	1.28	1.27	1.10	1.04	1.08	1.10	0.53	0.66	0.63	0.38
125.0	1.25	1.22	1.10	0.66	1.11	0.63	0.49	0.89	0.54	0.44
127.5	0.00	0.91	0.89	1.06	0.95	0.56	0.74	0.80	0.36	0.45
130.0	0.00	0.38	0.65	0.96	0.91	0.73	0.82	0.57	0.48	0.27
132.5	1.06	0.78	0.71	0.93	0.88	0.80	0.68	0.35	0.48	0.27

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CANDELA TABULATION - (Cont.)

135.0	0.94	0.90	0.76	0.67	0.74	0.68	0.34	0.45	0.34	0.27
137.5	0.80	0.60	0.50	0.63	0.58	0.30	0.32	0.33	0.29	0.20
140.0	0.00	0.43	0.49	0.40	0.26	0.23	0.20	0.21	0.22	0.15
142.5	0.00	0.11	0.23	0.32	0.29	0.13	0.09	0.22	0.15	0.08
145.0	0.00	0.24	0.28	0.32	0.19	0.13	0.19	0.12	0.08	0.07
147.5	0.00	0.09	0.17	0.18	0.13	0.14	0.10	0.07	0.06	0.08
150.0	0.20	0.17	0.14	0.12	0.13	0.12	0.08	0.06	0.08	0.07
152.5	0.14	0.09	0.11	0.12	0.13	0.09	0.06	0.05	0.07	0.06
155.0	0.11	0.07	0.08	0.07	0.05	0.01	0.04	0.00	0.06	0.06
157.5	0.10	0.08	0.06	0.04	0.04	0.00	0.00	0.00	0.04	0.04
160.0	0.00	0.01	0.03	0.04	0.00	0.00	0.00	0.00	0.03	0.03
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>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.39	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.00	0.00
20.0	1.02	0.48	0.01	0.02	0.01	0.01	0.01	0.02	0.00	0.00
22.5	2.10	1.08	0.41	0.01	0.02	0.01	0.01	0.01	0.00	0.00
25.0	3.55	2.05	0.93	0.14	0.02	0.01	0.01	0.01	0.00	0.00
27.5	5.45	3.26	1.73	0.60	0.01	0.01	0.01	0.01	0.00	0.00
30.0	7.84	4.97	2.65	1.10	0.02	0.01	0.02	0.00	0.00	0.00
32.5	10.18	6.82	3.87	1.81	0.37	0.03	0.02	0.01	0.00	0.00
35.0	12.27	8.83	5.37	2.65	0.87	0.09	0.01	0.01	0.00	0.00
37.5	13.84	10.57	6.88	3.60	1.35	0.21	0.01	0.01	0.00	0.00
40.0	14.67	11.91	8.39	4.72	1.89	0.37	0.01	0.02	0.00	0.00
42.5	14.94	12.83	9.74	5.91	2.54	0.58	0.01	0.01	0.00	0.00
45.0	14.82	13.15	10.55	6.87	3.14	0.84	0.01	0.01	0.00	0.00
47.5	14.38	12.43	10.81	7.59	3.87	0.98	0.01	0.01	0.00	0.00
50.0	13.71	11.69	10.83	8.09	4.67	1.02	0.06	0.01	0.00	0.00
52.5	12.95	11.58	9.47	8.38	5.19	1.16	0.20	0.01	0.00	0.00
55.0	12.10	11.32	7.91	8.18	5.36	1.52	0.31	0.01	0.00	0.00
57.5	11.21	10.51	7.20	7.77	5.40	2.05	0.39	0.01	0.00	0.00
60.0	10.27	9.69	7.72	7.27	5.32	2.61	0.43	0.02	0.00	0.00
62.5	9.30	8.78	7.72	6.68	5.05	2.62	0.41	0.02	0.00	0.00
65.0	8.29	7.84	6.67	6.05	4.59	2.38	0.36	0.02	0.00	0.00
67.5	6.95	6.98	5.12	5.18	4.09	2.11	0.32	0.03	0.00	0.00
70.0	5.21	6.05	3.97	4.14	3.55	1.83	0.27	0.03	0.00	0.00
72.5	3.66	4.74	3.04	3.09	3.05	1.64	0.24	0.02	0.00	0.00
75.0	2.98	3.68	3.15	2.51	2.58	1.44	0.21	0.02	0.00	0.00
77.5	3.12	3.05	2.97	2.11	2.10	1.19	0.17	0.01	0.00	0.00
80.0	2.89	2.62	2.57	1.85	1.59	0.91	0.13	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

82.5	2.38	2.27	2.04	1.61	1.24	0.71	0.10	0.01	0.00	0.00
85.0	1.77	1.70	1.48	1.29	0.94	0.53	0.08	0.01	0.00	0.00
87.5	1.18	1.12	0.91	0.93	0.63	0.33	0.05	0.02	0.00	0.00
90.0	0.57	0.54	0.34	0.53	0.31	0.12	0.02	0.02	0.00	0.00
92.5	0.56	0.52	0.43	0.48	0.23	0.10	0.02	0.02	0.00	0.00
95.0	0.56	0.50	0.52	0.41	0.15	0.08	0.02	0.01	0.00	0.00
97.5	0.55	0.46	0.60	0.34	0.07	0.05	0.02	0.01	0.00	0.00
100.0	0.47	0.39	0.54	0.28	0.02	0.03	0.02	0.01	0.00	0.00
102.5	0.47	0.34	0.40	0.25	0.03	0.04	0.03	0.01	0.00	0.00
105.0	0.60	0.38	0.30	0.22	0.05	0.04	0.03	0.01	0.00	0.00
107.5	0.72	0.48	0.26	0.20	0.06	0.05	0.03	0.01	0.00	0.00
110.0	0.62	0.52	0.31	0.15	0.05	0.05	0.03	0.02	0.00	0.00
112.5	0.55	0.41	0.29	0.09	0.05	0.03	0.03	0.02	0.00	0.00
115.0	0.60	0.39	0.21	0.03	0.04	0.03	0.02	0.01	0.00	0.00
117.5	0.53	0.41	0.17	0.02	0.04	0.02	0.02	0.01	0.00	0.00
120.0	0.45	0.34	0.15	0.05	0.04	0.02	0.02	0.01	0.00	0.00
122.5	0.50	0.27	0.13	0.06	0.04	0.02	0.02	0.01	0.00	0.00
125.0	0.39	0.27	0.12	0.05	0.05	0.02	0.02	0.01	0.00	0.00
127.5	0.29	0.21	0.12	0.05	0.05	0.02	0.02	0.01	0.00	0.00
130.0	0.26	0.13	0.12	0.05	0.05	0.02	0.01	0.01	0.00	0.00
132.5	0.18	0.08	0.10	0.05	0.04	0.02	0.02	0.01	0.00	0.00
135.0	0.12	0.09	0.08	0.04	0.04	0.01	0.01	0.01	0.00	0.00
137.5	0.09	0.10	0.07	0.04	0.03	0.00	0.01	0.01	0.00	0.00
140.0	0.08	0.08	0.06	0.04	0.02	0.01	0.01	0.01	0.00	0.00
142.5	0.09	0.07	0.05	0.03	0.02	0.01	0.01	0.01	0.00	0.00
145.0	0.08	0.07	0.05	0.03	0.03	0.01	0.01	0.01	0.00	0.00
147.5	0.07	0.06	0.03	0.03	0.03	0.01	0.01	0.01	0.00	0.00
150.0	0.06	0.05	0.03	0.03	0.02	0.01	0.02	0.01	0.00	0.00
152.5	0.06	0.05	0.03	0.03	0.02	0.01	0.01	0.01	0.00	0.00
155.0	0.05	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.00
157.5	0.04	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.01	0.01	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. Horizontal Angles
Angles

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	0.00	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.)

30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00
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	0.00	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SPL-ST-123-35BK.IES

CANDELA TABULATION - (Cont.)

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>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SPL-ST-123-35BK.IES

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	0.00	0.00	0.00
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	0.00	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
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	0.00	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
167.5	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
172.5	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
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SPL-ST-123-35BK.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.17	N.A.	0.80
0-30	1.94	N.A.	8.80
0-40	5.83	N.A.	26.40
0-60	15.10	N.A.	68.50
0-80	20.30	N.A.	92.00
0-90	20.92	N.A.	94.80
10-90	20.92	N.A.	94.80
20-40	5.66	N.A.	25.70
20-50	10.45	N.A.	47.40
40-70	12.69	N.A.	57.50
60-80	5.19	N.A.	23.50
70-80	1.78	N.A.	8.10
80-90	0.63	N.A.	2.90
90-110	0.51	N.A.	2.30
90-120	0.76	N.A.	3.40
90-130	0.97	N.A.	4.40
90-150	1.12	N.A.	5.10
90-180	1.13	N.A.	5.10
110-180	0.62	N.A.	2.80
0-180	22.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.17
20-30	1.76
30-40	3.89
40-50	4.79
50-60	4.49
60-70	3.41
70-80	1.78
80-90	0.63
90-100	0.24
100-110	0.27
110-120	0.26
120-130	0.21
130-140	0.12
140-150	0.03
150-160	0.01
160-170	0.00
170-180	0.00

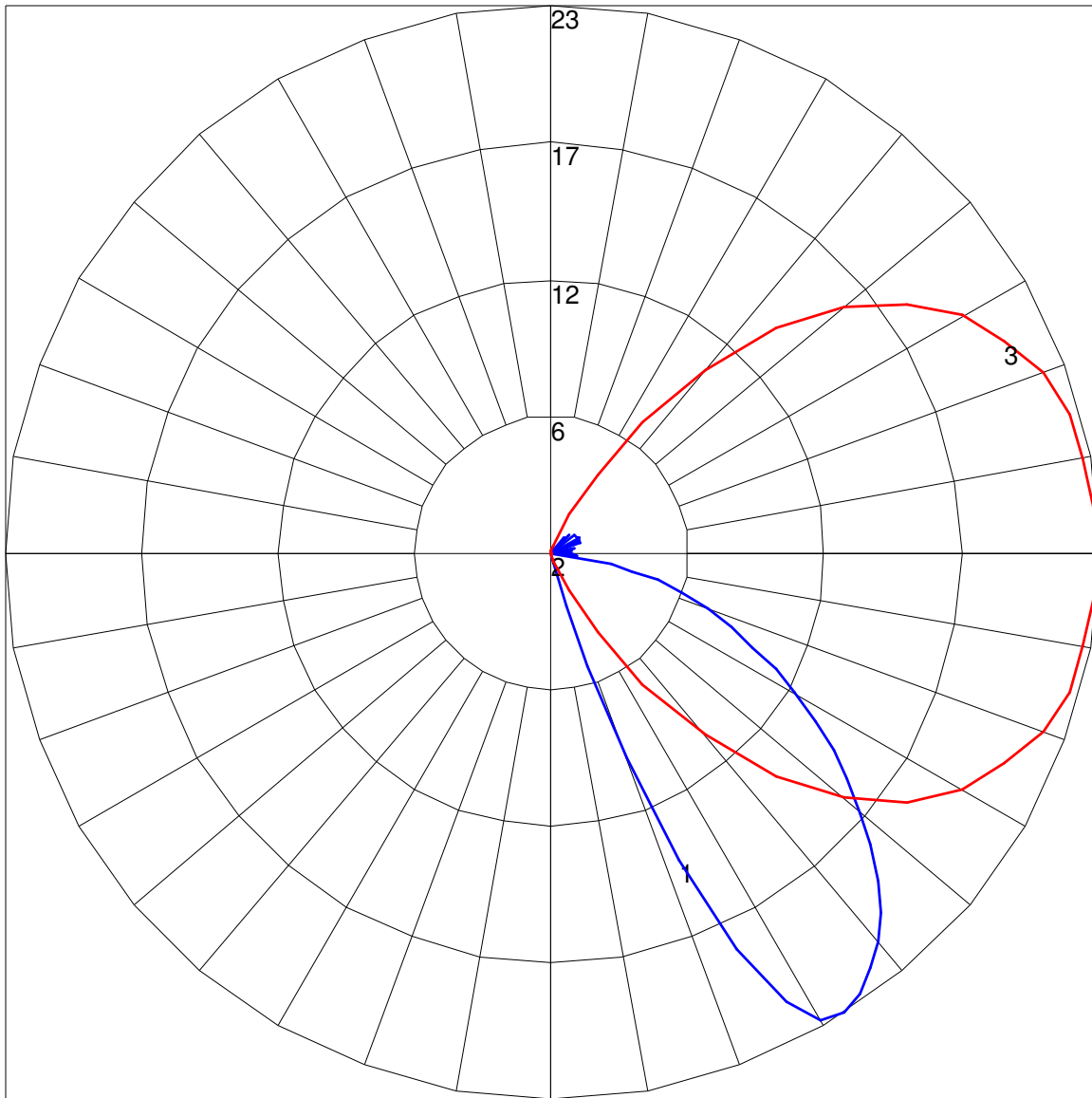
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SPL-ST-123-35BK.IES

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	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	106	101	96	91	91	103	98	93	89	93	89	85	88	85	82	83	81	79	76
2	95	85	78	71	71	92	83	76	70	78	72	67	74	69	65	70	66	63	60
3	85	73	64	56	56	82	71	62	55	67	60	54	63	57	52	60	55	50	48
4	76	63	53	45	45	74	61	52	45	58	50	43	55	48	42	52	46	41	38
5	69	55	44	37	37	66	53	44	37	50	42	36	48	40	35	45	39	34	31
6	63	48	38	31	31	60	47	37	30	44	36	29	42	34	29	40	33	28	26
7	57	42	32	26	26	55	41	32	25	39	31	25	37	30	24	35	29	24	21
8	53	38	28	22	22	51	37	28	21	35	27	21	33	26	20	31	25	20	18
9	49	34	25	18	18	47	33	24	18	31	23	18	30	23	17	28	22	17	15
10	45	30	22	16	16	43	30	21	16	28	21	15	27	20	15	26	19	15	13

POLAR GRAPH



Maximum Candela = 23.29 Located At Horizontal Angle = 0, Vertical Angle = 32.5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Horizontal Cone Through Vertical Angle (32.5) (Through Max. Cd.)