

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] RKS231113001-10
[ISSUEDATE] 2023/11/15 17:10
[MANUFAC] BEGHELLI
[LUMCAT] STAIRWELL PASSAGE LUMINAIRE
[LUMINAIRE] SWLSEL2HT15W4K
[LAMP] LED
[_VOLTAGE] 120.0 V
[_CURRENT] 0.125 A
[_POWERFACTOR] 0.992
[TESTLAB] BEGHELLI
[_TESTINST] GPM-1900
[_TESTDIST] 14.210 m
[_TESTTEMPERATURE] 24.8 'C
[_TESTHUMIDITY] 49
[BALLAST]
[BALLASTCAT]

CHARACTERISTICS

Lumens Per Lamp	2132.4 (1 lamp)
Total Lamp Lumens	2132.4
Luminaire Lumens	2132
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	14.86
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.58 m
Luminous Width (90-270)	0.12 m
Luminous Height	0.06 m

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8517	6104	5198
55	8473	5354	4169
65	8709	4600	3042
75	9677	3907	1705
85	13727	3386	304

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6
1	643.0	643.8	643.5	643.5	643.1	643.3	644.2	643.3	643.6	643.7
2	643.4	643.6	643.1	642.8	641.9	642.9	641.1	642.5	642.8	643.3
3	643.3	643.1	642.2	642.0	641.3	641.8	641.2	641.9	642.6	641.7
4	642.2	642.3	641.3	641.2	639.5	640.9	639.6	641.3	641.9	641.4
5	641.6	641.0	640.1	639.7	638.2	640.0	638.9	640.4	640.6	640.6
6	640.6	640.7	638.7	637.8	636.4	638.0	636.2	639.3	639.7	639.2
7	639.1	638.8	636.7	636.3	634.2	635.6	634.5	637.4	638.3	637.5
8	637.8	637.5	635.9	634.2	631.6	633.6	632.9	635.8	637.3	636.0
9	636.5	635.9	633.0	632.0	628.8	630.9	631.0	633.9	634.8	633.8
10	633.6	633.2	630.9	628.8	625.9	627.7	628.6	631.0	632.8	631.7
11	630.7	631.3	628.2	625.6	622.5	624.6	625.3	630.2	631.3	629.9
12	628.0	629.1	625.3	621.9	619.0	621.2	622.8	626.9	628.8	628.2
13	625.9	625.6	621.3	618.9	614.8	617.7	619.1	624.6	625.7	624.4
14	623.1	623.5	618.1	615.2	610.3	613.7	616.0	621.2	623.7	622.2
15	620.2	620.1	615.7	610.8	605.4	609.1	612.5	617.9	620.6	618.1
16	617.2	616.5	610.9	605.7	600.8	604.1	608.3	614.4	617.4	614.7
17	613.7	613.6	606.7	601.5	595.8	599.8	603.7	611.0	614.0	611.4
18	610.7	610.5	602.6	596.2	590.8	594.7	600.0	607.1	610.0	607.4
19	606.6	605.6	598.1	591.5	584.5	589.0	594.6	603.4	606.6	603.8
20	603.4	601.1	592.7	585.9	578.9	583.2	590.5	599.0	602.4	599.2
21	599.5	596.7	587.7	580.3	572.8	577.8	584.9	594.6	598.9	595.1
22	595.1	592.6	582.6	574.4	566.8	572.0	579.5	590.4	594.9	590.5
23	590.6	588.5	577.5	568.5	560.2	566.0	574.1	585.7	589.5	585.6
24	586.6	583.6	571.8	561.1	553.1	559.0	568.8	580.6	583.2	580.5
25	581.6	577.3	565.6	555.0	546.2	552.7	562.3	574.9	579.6	575.7
26	576.7	571.8	560.1	548.2	539.2	546.0	556.6	569.3	574.6	570.2
27	571.6	567.3	553.8	541.3	531.6	539.1	549.9	564.6	570.0	564.0
28	566.4	561.5	547.6	534.4	523.8	531.2	543.8	559.4	564.5	558.7
29	561.2	555.8	540.7	526.6	515.6	524.0	537.8	553.5	558.5	553.2
30	555.2	549.8	533.8	518.8	508.1	516.5	531.1	547.7	553.6	547.8
31	550.3	543.3	527.7	511.6	500.1	509.2	523.6	541.4	547.8	541.7
32	543.5	536.9	520.1	502.7	491.0	500.7	516.4	535.9	541.8	534.9
33	539.7	531.0	513.2	494.9	482.8	493.0	509.7	529.1	536.1	529.0
34	533.4	524.8	506.6	486.7	474.6	484.7	501.9	522.1	530.4	522.4
35	527.6	517.6	498.5	478.2	465.6	476.8	494.5	515.7	524.4	516.2
36	522.0	511.3	491.4	470.1	456.4	467.6	487.0	509.1	518.0	508.9
37	515.3	504.1	482.6	461.1	447.6	459.3	480.3	502.9	511.4	502.2
38	508.3	497.2	474.3	452.7	438.4	450.8	471.1	495.2	505.2	495.8
39	501.6	490.4	467.2	444.9	430.0	442.0	463.7	488.4	499.3	488.8
40	494.4	482.9	460.1	435.5	419.6	434.0	455.8	481.1	493.6	481.5
41	488.0	475.8	452.2	426.1	410.8	424.3	448.4	473.9	486.6	473.8
42	481.1	467.6	444.1	417.5	401.8	415.2	440.2	467.1	479.4	466.6
43	473.9	460.9	435.4	408.3	392.5	406.6	431.7	459.4	472.1	459.5
44	466.4	453.4	426.5	400.1	382.2	396.6	423.3	451.8	464.6	451.5
45	459.1	446.1	418.1	390.1	373.2	387.7	415.1	444.2	457.8	444.1
46	452.3	438.1	409.7	381.6	363.6	378.5	407.3	436.8	450.8	436.9
47	445.4	430.9	401.8	372.1	354.1	369.4	399.2	428.4	443.5	429.1
48	437.2	421.9	393.1	362.2	344.8	359.9	389.8	421.3	436.4	420.7
49	430.2	413.4	384.3	354.6	334.0	350.7	381.9	413.6	429.0	413.3
50	421.8	405.9	375.8	344.5	324.4	341.4	373.6	405.2	421.2	406.0
51	414.6	399.1	367.5	335.4	314.8	331.2	364.3	397.6	413.8	398.5
52	407.4	391.6	358.9	326.3	304.6	321.8	356.7	389.6	406.8	390.3
53	399.9	382.8	350.3	316.8	294.7	312.4	348.3	381.8	399.2	381.9

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

CANDELA TABULATION - (Cont.)

54	392.0	375.1	341.2	307.0	285.1	303.6	339.6	374.3	390.7	374.5
55	384.2	367.2	333.3	298.0	275.5	294.1	330.8	366.1	383.3	366.2
56	376.7	358.3	323.5	288.0	265.8	284.5	322.8	358.0	375.7	358.9
57	369.5	350.9	315.4	278.7	255.2	275.1	314.3	350.1	367.4	350.7
58	361.9	343.0	306.7	269.7	245.8	266.1	306.4	342.7	361.0	342.5
59	354.3	335.3	298.8	260.1	236.2	257.3	298.3	334.9	352.8	335.1
60	345.8	326.9	290.2	250.6	225.2	247.0	289.3	326.4	345.3	327.5
61	338.7	319.2	281.4	241.1	215.7	238.5	281.1	318.7	337.1	319.1
62	331.0	311.6	273.2	231.7	206.3	229.3	273.1	311.1	329.9	311.5
63	323.1	303.3	265.0	222.3	196.6	220.7	264.7	302.7	322.5	303.6
64	315.8	295.8	256.1	212.9	187.0	210.8	256.4	295.3	315.2	296.3
65	308.4	288.2	248.9	205.0	177.5	201.9	249.0	288.1	307.7	289.1
66	301.1	280.4	240.4	195.8	167.0	193.5	242.0	281.3	299.8	280.9
67	293.1	273.6	233.5	186.8	157.7	185.0	233.0	272.5	292.5	273.5
68	285.9	265.8	225.4	178.0	147.5	175.9	225.8	265.7	285.2	266.3
69	279.2	258.4	216.8	168.4	138.4	167.6	218.0	258.6	277.5	258.7
70	271.2	251.4	209.5	160.1	129.0	159.3	210.0	250.7	271.0	251.6
71	264.9	244.7	201.7	152.0	119.9	151.2	202.9	243.7	263.7	244.4
72	257.6	237.1	194.5	143.3	110.9	142.1	195.9	236.8	256.6	237.8
73	250.4	230.0	187.1	135.7	100.9	134.3	188.3	229.8	249.1	230.2
74	243.9	222.9	180.5	127.4	91.6	126.6	180.9	222.3	242.3	223.2
75	236.1	216.5	173.2	120.0	83.3	119.1	173.9	216.2	235.6	216.7
76	229.9	209.3	165.8	112.3	75.1	111.2	167.2	209.5	228.9	210.4
77	223.4	202.6	159.8	105.2	65.5	104.3	160.8	202.8	222.7	203.5
78	216.9	196.4	153.6	98.1	57.5	97.4	154.3	196.9	215.7	197.3
79	210.2	189.9	146.8	90.6	49.8	90.9	147.4	190.1	209.3	190.9
80	203.7	183.2	140.7	84.6	42.5	84.0	141.9	184.0	203.3	185.1
81	197.3	177.6	134.5	78.0	34.9	77.8	135.6	178.2	197.3	178.5
82	191.5	171.5	128.8	71.9	28.0	72.3	130.2	172.6	190.7	172.7
83	185.5	165.8	122.9	66.0	22.2	66.8	124.9	166.5	184.7	166.9
84	179.5	160.7	117.4	60.8	16.4	61.5	118.9	160.6	178.9	161.1
85	173.6	154.9	112.4	55.9	11.5	56.4	113.1	155.1	173.4	155.9
86	168.3	149.2	107.0	50.4	6.9	51.8	108.9	149.9	167.1	150.1
87	162.7	144.1	102.3	46.2	3.5	47.1	103.5	143.9	161.6	144.8
88	156.7	139.1	97.5	42.4	1.1	42.9	98.5	139.0	156.5	139.9
89	151.3	133.8	93.3	38.7	0.0	39.0	93.9	134.1	151.0	134.7
90	146.1	129.6	88.7	35.0	0.0	35.6	89.6	129.4	146.0	129.4
91	141.5	123.8	84.2	32.0	0.0	32.5	85.3	124.4	140.8	124.7
92	135.9	119.6	80.5	29.2	0.0	29.4	80.9	119.6	135.6	120.3
93	131.3	114.5	76.7	26.5	0.0	26.5	77.1	115.1	131.2	115.7
94	127.0	110.5	72.4	24.3	0.0	24.1	73.3	110.9	126.4	111.3
95	121.9	105.9	68.8	21.4	0.0	22.2	69.7	106.5	121.3	106.5
96	117.8	101.9	65.2	20.2	0.0	19.6	65.5	101.7	116.9	102.5
97	113.2	98.1	62.2	18.0	0.0	17.7	62.7	97.6	112.6	98.5
98	108.7	93.9	58.7	16.7	0.0	15.1	58.9	93.8	107.8	94.8
99	104.7	90.0	55.9	15.1	0.0	13.8	56.1	89.8	103.7	90.3
100	100.5	86.3	53.5	13.6	0.0	12.0	53.1	86.0	99.5	86.6
101	96.6	83.1	50.4	12.4	0.0	10.9	50.1	82.6	95.8	82.9
102	92.7	79.5	47.6	11.4	0.0	9.7	47.2	78.7	92.2	79.3
103	89.1	75.9	45.5	10.7	0.0	9.1	44.5	75.3	87.9	75.7
104	85.3	72.4	42.9	9.8	0.0	8.4	41.6	71.9	84.4	72.2
105	82.1	69.8	40.7	8.5	0.0	7.8	39.2	68.5	81.1	69.6
106	78.5	66.9	38.4	8.0	0.0	6.8	37.0	65.5	77.4	66.0
107	75.5	63.6	37.0	7.4	0.0	6.4	35.2	62.3	74.1	62.7
108	72.4	61.0	34.8	7.0	0.0	6.2	33.0	59.7	70.8	59.6
109	69.1	58.2	33.9	5.9	0.0	5.6	30.4	56.4	67.3	56.8

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

CANDELA TABULATION - (Cont.)

110	66.1	55.7	31.8	5.6	0.0	4.7	28.9	53.5	64.8	54.0
111	63.6	53.3	30.1	5.4	0.0	4.6	27.3	51.2	61.2	51.6
112	60.9	50.7	28.1	4.8	0.0	4.4	25.7	48.2	58.1	48.3
113	58.5	48.7	27.0	4.7	0.0	4.2	24.7	45.2	55.2	45.5
114	55.5	46.1	25.6	4.8	0.0	3.8	23.0	43.4	52.8	43.1
115	53.0	44.0	24.4	4.3	0.0	3.2	21.4	40.8	49.9	41.0
116	50.7	42.2	22.8	4.1	0.0	3.4	20.7	39.1	47.4	38.8
117	48.5	40.2	21.8	3.5	0.0	3.0	19.3	37.3	44.6	37.0
118	46.0	38.5	20.8	3.6	0.0	2.8	18.2	35.1	42.6	35.6
119	44.1	37.2	19.2	3.0	0.0	2.6	17.4	33.4	40.9	33.7
120	42.0	35.6	17.8	2.8	0.0	2.4	16.3	31.8	38.6	31.8
121	40.0	33.2	16.9	2.6	0.0	2.3	15.4	30.0	36.8	30.2
122	38.2	32.1	15.9	2.6	0.0	1.9	15.0	28.5	35.0	29.0
123	36.4	30.5	14.6	2.6	0.0	2.2	14.6	27.0	33.4	27.3
124	35.6	28.8	14.0	2.6	0.0	1.9	13.7	26.1	31.7	25.7
125	33.7	27.3	13.5	2.3	0.0	2.0	13.0	24.9	30.0	25.2
126	31.7	26.1	12.8	2.2	0.0	1.8	11.8	23.3	28.9	23.9
127	29.7	24.6	12.2	2.0	0.0	1.6	11.5	22.2	27.3	22.6
128	28.8	23.2	11.6	2.2	0.0	1.5	11.0	21.1	25.9	21.6
129	26.7	22.1	11.3	1.7	0.0	1.6	10.6	20.1	24.9	20.7
130	26.0	20.3	11.0	2.2	0.0	1.4	9.8	19.2	23.8	19.3
131	24.1	19.3	10.4	1.9	0.0	1.5	9.5	17.7	22.3	18.5
132	22.7	18.5	9.9	1.8	0.0	1.2	8.6	17.3	21.3	17.8
133	21.6	17.5	9.0	2.1	0.0	1.5	8.6	16.2	20.1	16.9
134	20.1	16.6	8.4	1.6	0.0	1.2	8.0	15.7	18.7	15.7
135	19.1	16.1	8.7	1.6	0.0	1.0	7.5	14.9	18.0	14.7
136	18.2	15.3	7.9	1.3	0.0	1.2	6.3	14.0	17.1	14.0
137	17.5	14.4	7.8	1.5	0.0	0.9	7.1	13.2	16.4	13.4
138	16.7	13.9	7.1	1.5	0.0	1.0	6.8	12.3	15.3	13.0
139	15.8	13.0	6.7	1.7	0.0	0.8	6.2	11.5	14.1	11.8
140	15.2	12.2	6.0	1.5	0.0	1.1	6.3	11.4	14.1	11.7
141	14.2	11.5	6.1	1.8	0.0	1.0	5.7	10.9	13.2	10.9
142	13.7	11.5	5.8	1.6	0.0	1.2	5.6	10.3	12.5	10.5
143	12.9	10.3	5.2	1.7	0.0	1.1	4.4	9.5	11.7	9.8
144	12.1	10.1	5.3	1.4	0.0	1.2	4.9	9.1	10.9	9.5
145	11.6	9.2	5.1	1.9	0.0	1.3	4.4	8.3	10.3	9.2
146	11.0	8.4	4.4	1.8	0.0	1.4	4.1	7.7	9.9	8.5
147	9.5	7.1	4.3	1.5	0.0	1.3	4.1	7.6	9.4	8.5
148	9.1	7.6	3.9	1.6	0.0	1.4	4.1	6.7	8.5	7.6
149	9.1	7.1	4.1	2.2	0.0	1.6	4.3	7.1	8.4	7.4
150	8.4	6.8	3.8	1.7	0.0	1.4	4.3	6.2	8.2	6.9
151	8.0	6.0	3.7	1.9	0.0	1.0	3.8	6.2	7.4	6.7
152	7.0	5.6	3.4	2.2	0.0	1.6	3.1	5.9	7.1	6.4
153	7.3	5.7	3.3	2.0	0.0	1.6	3.4	5.8	6.7	5.6
154	6.5	4.9	2.8	2.4	0.0	1.8	3.4	5.3	6.3	5.9
155	6.3	4.5	3.1	2.0	0.0	1.3	3.3	5.2	6.0	5.5
156	5.7	4.9	3.0	2.1	0.0	1.6	3.1	4.9	5.9	5.0
157	5.1	4.4	3.0	2.0	0.0	1.7	2.9	4.6	5.4	4.9
158	5.2	3.6	2.7	1.9	0.0	1.6	3.1	4.2	4.8	4.8
159	4.6	4.0	2.7	1.9	0.0	1.3	2.9	4.5	5.0	4.8
160	4.2	3.6	2.2	1.7	0.0	1.0	2.9	4.1	5.2	4.1
161	4.2	3.3	2.7	1.9	0.0	1.4	2.7	3.8	4.1	3.6
162	3.2	3.2	2.1	1.8	0.0	1.5	2.9	3.9	4.1	3.8
163	3.9	3.1	2.1	2.0	0.0	1.6	2.5	3.7	3.7	4.1
164	3.5	3.2	2.0	2.1	0.7	1.2	2.7	3.6	3.8	3.8
165	3.6	3.3	2.2	2.1	0.0	1.2	2.5	3.5	3.7	3.8

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

CANDELA TABULATION - (Cont.)

166	3.0	3.0	2.2	2.2	0.0	1.7	2.4	3.4	3.7	3.7
167	3.0	2.6	2.3	2.1	0.0	1.5	2.7	3.3	3.4	3.3
168	3.2	2.9	2.0	2.3	0.8	1.6	2.2	3.5	3.7	3.2
169	3.1	2.1	1.9	2.2	0.8	1.3	2.4	3.2	3.7	3.0
170	2.9	2.2	2.4	2.2	1.0	1.6	2.1	2.9	3.2	3.2
171	3.0	2.4	2.4	1.7	1.1	1.4	1.9	3.3	3.3	3.3
172	2.8	2.6	2.3	2.5	0.7	1.6	2.2	3.0	3.0	2.9
173	2.9	2.4	2.7	2.1	0.9	1.4	2.2	2.8	2.9	3.2
174	3.0	2.3	2.1	2.6	1.0	1.4	1.8	2.8	2.9	2.8
175	3.1	2.4	2.1	2.3	0.9	1.4	2.0	2.6	2.8	2.8
176	2.9	2.4	2.4	1.8	1.4	1.6	2.3	2.6	2.6	3.0
177	2.4	2.8	2.4	2.0	1.4	1.5	2.1	2.1	2.6	2.7
178	2.3	2.5	1.8	2.2	0.9	1.4	2.0	2.1	2.4	2.5
179	2.1	2.4	1.9	2.3	1.0	1.6	1.8	2.1	2.4	2.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	643.6	643.6	643.6	643.6	643.6	643.6	643.6
1	643.1	643.4	643.2	643.4	644.6	643.1	643.0
2	642.3	642.7	642.8	643.1	644.0	642.8	643.4
3	641.5	642.0	642.0	642.8	643.0	642.1	643.3
4	640.7	640.3	641.4	641.9	642.5	641.9	642.2
5	639.6	639.4	640.2	640.7	640.8	640.2	641.6
6	637.9	637.8	638.6	639.4	640.1	639.6	640.6
7	636.7	636.3	636.6	637.6	638.6	638.6	639.1
8	634.4	634.0	634.0	637.5	636.5	637.5	637.8
9	632.0	631.3	631.7	635.2	635.3	636.0	636.5
10	629.8	628.8	628.9	633.0	632.9	634.0	633.6
11	625.4	625.5	626.2	629.3	629.7	631.1	630.7
12	622.0	621.6	622.8	626.6	627.1	629.1	628.0
13	618.3	617.8	619.1	622.7	624.0	626.3	625.9
14	615.5	614.4	614.8	618.9	621.3	623.4	623.1
15	611.9	610.0	610.7	614.7	617.4	620.7	620.2
16	607.3	605.4	606.3	610.4	613.7	617.5	617.2
17	603.5	601.8	601.4	606.4	609.4	613.9	613.7
18	599.4	598.1	596.1	601.9	604.4	610.2	610.7
19	595.3	593.2	590.8	596.6	600.3	606.4	606.6
20	589.6	587.4	585.4	590.9	596.0	601.9	603.4
21	584.9	580.7	579.1	585.6	590.5	597.5	599.5
22	580.0	575.5	572.9	579.7	585.8	593.4	595.1
23	574.2	569.0	567.4	573.0	579.8	588.7	590.6
24	568.9	562.8	560.4	566.9	574.4	583.3	586.6
25	562.5	555.7	553.1	559.6	568.9	577.9	581.6
26	556.7	548.8	546.1	553.1	562.7	573.2	576.7
27	551.0	542.2	539.0	546.5	556.8	567.3	571.6
28	545.1	534.9	532.0	539.4	550.2	562.1	566.4
29	538.7	527.6	524.2	532.8	544.1	556.1	561.2
30	531.4	519.7	516.4	525.6	537.7	550.3	555.2
31	524.4	512.1	508.0	517.8	530.6	545.2	550.3
32	517.8	504.3	499.2	510.0	523.0	537.6	543.5
33	510.4	496.5	491.9	502.4	516.5	532.3	539.7
34	502.9	488.0	483.7	493.6	509.9	526.4	533.4
35	495.3	479.7	475.5	485.2	502.1	519.2	527.6
36	488.3	471.4	466.1	476.7	494.1	512.4	522.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

CANDELA TABULATION - (Cont.)

37	480.9	463.2	457.4	467.8	487.2	505.4	515.3
38	472.1	454.0	447.8	458.6	479.0	499.2	508.3
39	465.2	445.4	439.0	450.0	471.3	491.8	501.6
40	457.6	436.9	430.3	441.2	463.9	484.6	494.4
41	449.5	428.0	421.2	431.5	456.1	476.7	488.0
42	442.2	418.3	412.7	423.5	447.4	469.4	481.1
43	434.4	409.6	402.3	414.3	439.3	462.1	473.9
44	426.4	399.6	392.9	405.8	430.9	454.5	466.4
45	417.9	389.4	383.3	396.8	422.8	446.6	459.1
46	409.9	380.2	374.1	387.0	414.1	438.7	452.3
47	400.8	371.3	364.3	376.7	405.6	431.1	445.4
48	392.4	362.2	354.5	368.1	397.6	424.0	437.2
49	384.1	353.3	345.2	358.3	388.5	416.1	430.2
50	375.7	343.1	334.7	349.3	380.4	408.2	421.8
51	366.9	334.1	324.9	340.5	372.4	401.6	414.6
52	358.7	325.3	315.5	330.7	364.3	393.6	407.4
53	350.6	315.8	305.4	321.6	355.4	384.3	399.9
54	342.1	305.9	296.3	311.2	346.5	376.6	392.0
55	332.6	296.5	285.8	302.7	338.3	368.1	384.2
56	324.5	287.4	276.0	293.5	329.0	360.8	376.7
57	316.2	278.3	265.7	283.5	320.9	352.2	369.5
58	307.8	269.6	256.9	273.9	312.8	344.9	361.9
59	299.7	259.4	247.3	264.9	304.1	337.0	354.3
60	290.7	250.2	236.6	255.0	296.3	328.5	345.8
61	282.5	241.3	227.1	246.6	287.3	320.4	338.7
62	274.0	231.5	217.3	237.0	279.1	313.4	331.0
63	265.3	222.5	206.6	227.7	270.8	305.4	323.1
64	257.5	213.7	197.1	218.6	261.4	298.0	315.8
65	249.7	205.0	187.2	210.1	254.2	289.7	308.4
66	241.8	195.9	177.5	201.1	245.6	282.3	301.1
67	233.6	186.7	167.4	192.1	237.8	275.0	293.1
68	226.1	178.0	158.2	183.5	229.2	267.5	285.9
69	218.8	169.8	148.5	174.8	221.9	260.1	279.2
70	211.0	160.7	138.1	165.8	214.2	253.3	271.2
71	203.0	152.4	129.9	158.5	206.9	245.9	264.9
72	195.7	144.1	120.6	150.7	199.2	239.1	257.6
73	188.6	136.6	110.8	141.6	191.8	231.7	250.4
74	181.9	128.2	101.8	134.2	184.5	225.0	243.9
75	174.5	120.3	92.0	126.0	177.8	218.9	236.1
76	167.6	113.3	83.2	118.7	170.9	212.0	229.9
77	161.2	106.3	74.6	111.1	164.8	205.7	223.4
78	154.6	99.2	66.3	103.9	158.0	199.1	216.9
79	148.0	91.7	58.1	97.3	151.3	192.3	210.2
80	142.2	85.1	49.6	90.3	145.4	186.3	203.7
81	136.4	79.3	42.2	83.8	138.3	180.5	197.3
82	130.1	73.4	35.4	78.3	133.0	174.0	191.5
83	124.9	67.6	29.0	71.8	127.4	168.3	185.5
84	119.6	62.1	22.5	66.4	122.2	162.8	179.5
85	114.1	57.4	16.3	60.8	116.7	157.4	173.6
86	108.7	52.2	11.7	56.3	111.6	151.4	168.3
87	104.0	47.4	6.6	51.7	106.4	146.2	162.7
88	99.5	43.2	3.4	46.5	101.8	140.8	156.7
89	94.4	39.5	0.8	43.1	97.5	136.1	151.3
90	90.4	36.9	0.0	39.2	92.7	131.3	146.1
91	85.8	33.4	0.0	36.2	87.9	125.5	141.5
92	81.7	30.2	0.0	32.7	83.9	121.6	135.9

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

CANDELA TABULATION - (Cont.)

93	77.4	27.5	0.0	30.1	80.1	116.6	131.3
94	73.6	25.3	0.0	27.6	76.0	111.9	127.0
95	70.2	22.7	0.0	25.4	72.6	107.7	121.9
96	66.7	20.6	0.0	23.1	68.8	103.2	117.8
97	62.9	18.9	0.0	21.2	65.7	99.3	113.2
98	59.7	17.6	0.0	18.9	62.2	95.7	108.7
99	56.7	15.8	0.0	17.5	59.3	91.2	104.7
100	53.7	14.2	0.0	16.3	56.6	87.7	100.5
101	50.6	13.2	0.0	14.9	53.4	84.3	96.6
102	47.7	12.0	0.0	13.8	51.1	80.7	92.7
103	45.0	10.6	0.0	12.1	48.4	77.2	89.1
104	42.5	10.3	0.0	11.4	45.8	73.9	85.3
105	39.4	9.1	0.0	11.0	43.3	71.4	82.1
106	37.7	8.1	0.0	9.7	41.2	68.3	78.5
107	35.5	7.7	0.0	8.7	39.4	65.2	75.5
108	33.8	7.2	0.0	8.1	37.4	62.3	72.4
109	31.3	6.4	0.0	7.6	35.4	59.3	69.1
110	29.6	5.2	0.0	6.8	33.7	56.9	66.1
111	28.2	5.9	0.0	6.4	31.9	54.3	63.6
112	26.3	5.0	0.0	5.6	30.3	52.0	60.9
113	25.1	4.4	0.0	5.6	28.8	49.8	58.5
114	23.3	4.6	0.0	5.3	27.8	47.4	55.5
115	22.6	4.3	0.0	5.0	26.4	45.3	53.0
116	21.3	4.4	0.0	4.4	24.9	43.3	50.7
117	20.2	3.9	0.0	4.4	23.4	41.3	48.5
118	18.9	3.7	0.0	3.9	22.0	39.3	46.0
119	17.7	3.4	0.0	4.0	21.0	37.6	44.1
120	17.1	3.0	0.0	3.9	20.1	36.1	42.0
121	16.5	3.2	0.0	3.3	18.6	34.6	40.0
122	15.8	3.0	0.0	3.1	17.4	32.9	38.2
123	14.9	2.8	0.0	3.0	16.4	31.4	36.4
124	14.1	2.4	0.0	2.5	15.7	29.5	35.6
125	13.5	2.7	0.0	2.8	14.8	28.0	33.7
126	12.7	2.6	0.0	2.6	13.9	26.5	31.7
127	12.3	2.2	0.0	2.5	13.5	25.1	29.7
128	11.6	2.1	0.0	2.1	12.9	24.1	28.8
129	10.8	2.5	0.0	2.0	12.5	22.4	26.7
130	10.5	2.5	0.0	2.1	11.7	21.4	26.0
131	9.9	2.2	0.0	2.2	11.1	20.2	24.1
132	9.5	2.3	0.0	2.2	10.8	19.2	22.7
133	8.6	2.1	0.0	2.0	10.2	18.1	21.6
134	8.1	2.1	0.0	1.9	9.5	17.2	20.1
135	8.1	2.4	0.0	1.7	9.3	16.5	19.1
136	8.2	2.1	0.0	1.7	8.6	15.9	18.2
137	7.6	2.1	0.0	1.8	8.1	15.0	17.5
138	7.2	2.0	0.0	1.7	8.0	14.2	16.7
139	6.3	1.9	0.0	1.8	7.7	13.4	15.8
140	6.3	2.0	0.0	1.5	7.0	13.2	15.2
141	6.2	2.0	0.0	1.7	6.5	12.3	14.2
142	6.1	1.8	0.0	1.7	6.5	11.5	13.7
143	5.5	2.1	0.0	1.4	6.3	10.8	12.9
144	5.3	2.1	0.0	1.7	6.1	10.8	12.1
145	5.3	1.7	0.0	1.3	5.9	9.6	11.6
146	4.9	2.4	0.0	1.5	6.0	9.3	11.0
147	4.7	2.1	0.0	1.7	5.6	8.9	9.5
148	4.7	1.9	0.0	2.0	5.5	7.8	9.1

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

CANDELA TABULATION - (Cont.)

149	4.7	1.9	0.7	2.1	5.3	8.2	9.1
150	4.4	2.2	0.0	1.8	5.1	7.4	8.4
151	4.6	2.1	0.8	2.0	3.9	6.7	8.0
152	4.1	2.2	1.0	1.8	4.7	6.8	7.0
153	3.7	2.4	0.9	1.9	4.2	5.7	7.3
154	4.1	2.0	0.9	2.0	4.1	5.8	6.5
155	3.8	2.0	1.2	2.3	4.0	5.7	6.3
156	3.6	2.6	0.8	2.2	4.0	5.4	5.7
157	3.8	2.5	1.1	2.3	3.8	4.3	5.1
158	3.7	2.2	1.2	2.0	3.8	4.2	5.2
159	3.2	2.6	1.3	2.5	3.6	4.7	4.6
160	3.4	2.3	1.4	1.7	3.6	3.9	4.2
161	3.2	2.6	1.5	2.4	3.6	4.2	4.2
162	3.2	2.2	1.5	2.3	3.3	4.0	3.2
163	3.0	2.5	2.0	2.7	3.0	3.3	3.9
164	3.1	2.6	1.4	2.1	3.1	3.2	3.5
165	3.4	2.6	1.3	2.2	2.8	3.1	3.6
166	3.4	2.3	1.7	2.3	3.1	3.1	3.0
167	3.0	2.8	1.4	2.3	2.8	2.8	3.0
168	2.5	2.9	1.7	2.3	2.7	3.2	3.2
169	2.9	2.7	1.8	2.4	3.1	2.6	3.1
170	2.8	2.7	2.0	2.2	2.8	2.6	2.9
171	3.3	2.5	1.7	2.7	2.9	2.5	3.0
172	3.1	2.5	1.2	2.5	2.4	2.6	2.8
173	3.0	2.7	1.6	2.7	2.7	2.6	2.9
174	2.7	2.4	1.6	2.6	2.5	2.7	3.0
175	2.2	2.5	1.8	2.7	3.2	2.7	3.1
176	2.7	2.2	1.7	2.3	2.9	2.9	2.9
177	2.6	2.5	1.9	2.3	2.9	2.1	2.4
178	1.9	2.7	1.8	2.2	2.3	2.5	2.3
179	1.8	2.3	1.5	2.0	2.5	2.7	2.1
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	234.21	11.00	11.00
0-30	494.87	23.20	23.20
0-40	806.55	37.80	37.80
0-60	1427.19	66.90	66.90
0-80	1851.36	86.80	86.80
0-90	1967.29	92.30	92.30
10-90	1906.48	89.40	89.40
20-40	572.34	26.80	26.80
20-50	895.22	42.00	42.00
40-70	865.85	40.60	40.60
60-80	424.18	19.90	19.90
70-80	178.96	8.40	8.40
80-90	115.93	5.40	5.40
90-110	114.63	5.40	5.40
90-120	138.93	6.50	6.50
90-130	152.17	7.10	7.10
90-150	162.48	7.60	7.60
90-180	165.10	7.70	7.70
110-180	50.47	2.40	2.40
0-180	2132.39	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.81
10-20	173.40
20-30	260.66
30-40	311.68
40-50	322.88
50-60	297.75
60-70	245.22
70-80	178.96
80-90	115.93
90-100	71.76
100-110	42.87
110-120	24.30
120-130	13.24
130-140	6.88
140-150	3.43
150-160	1.65
160-170	0.75
170-180	0.22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	78	76	74
2	95	86	79	72	92	84	77	71	79	73	68	74	70	65	70	66	63	60
3	86	75	67	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	65	56	50	61	54	48	58	52	47	55	49	45	43
5	73	59	50	43	70	58	49	43	55	47	41	52	45	40	49	44	39	37
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	25
9	54	40	32	26	52	39	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL2HT15W4K.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

X=2H	Y=2H	17.7	19.2	18.1	19.7	20.2	16.6	18.1	17.1	18.6	19.1
	3H	19.8	21.2	20.3	21.7	22.2	18.1	19.5	18.6	20.0	20.6
	4H	20.8	22.1	21.3	22.6	23.1	18.6	20.0	19.2	20.5	21.0
	6H	21.7	22.9	22.2	23.4	24.0	18.9	20.2	19.5	20.7	21.3
	8H	22.1	23.3	22.6	23.8	24.4	19.0	20.2	19.6	20.7	21.3
	12H	22.5	23.6	23.0	24.1	24.8	19.0	20.1	19.6	20.7	21.3

UGR Viewed Endwise

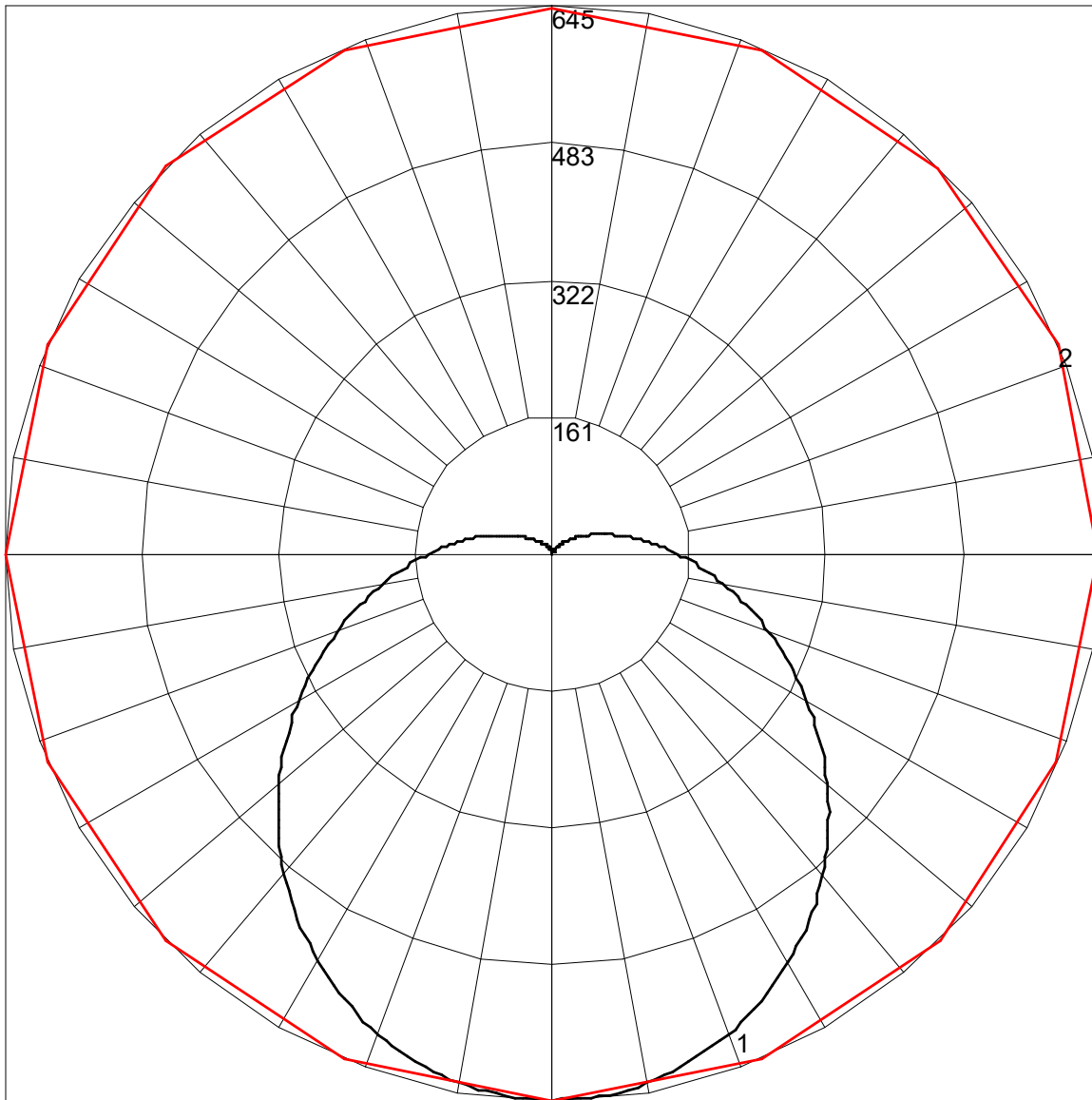
4H	2H	18.2	19.5	18.7	20.0	20.5	17.3	18.6	17.8	19.1	19.7
	3H	20.5	21.7	21.1	22.2	22.8	19.1	20.2	19.6	20.8	21.3
	4H	21.7	22.7	22.2	23.3	23.9	19.7	20.8	20.3	21.3	21.9
	6H	22.8	23.7	23.4	24.3	24.9	20.2	21.1	20.8	21.7	22.3
	8H	23.3	24.2	23.9	24.7	25.4	20.3	21.1	20.9	21.7	22.4
	12H	23.8	24.6	24.4	25.2	25.8	20.3	21.1	20.9	21.7	22.4

8H	4H	22.0	22.8	22.5	23.4	24.0	20.3	21.1	20.9	21.7	22.3
	6H	23.3	24.0	23.9	24.6	25.2	20.9	21.6	21.5	22.2	22.9
	8H	23.9	24.6	24.5	25.2	25.9	21.1	21.8	21.7	22.4	23.0
	12H	24.6	25.2	25.2	25.8	26.5	21.3	21.8	21.9	22.4	23.2

12H	4H	22.0	22.8	22.6	23.4	24.0	20.4	21.2	21.0	21.8	22.4
	6H	23.3	24.0	24.0	24.6	25.3	21.1	21.8	21.8	22.4	23.1
	8H	24.1	24.6	24.7	25.3	26.0	21.4	22.0	22.0	22.6	23.3

Maximum UGR = 26.5

POLAR GRAPH



Maximum Candela = 644.6 Located At Horizontal Angle = 315, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)