Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P935883

Luminaire Tested: SQ4-FA-150U-050D-B2750-1D-UNV-W2A-W-4-3000K

Issue Date: 12/17/2024

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P935883
	REPORT IS A COMBINATION OF REPORTS P933770 AND P933786
Test Lab:	INNOVATION CENTER
Issue Date:	12/17/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	SQ4-FA-150U-050D-B2750-1D-UNV-W2A-W-4-3000K
Description:	CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
	Lens
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7755.9 lumens
Efficiency:	N/A
Efficacy:	139.5 lumens/watt
Spacing Criteria (0/90/45):	1.14 / 1.26 / 1.36
Luminous Opening:	Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type:	Semi-Indirect

Input Watts (W):	55.6
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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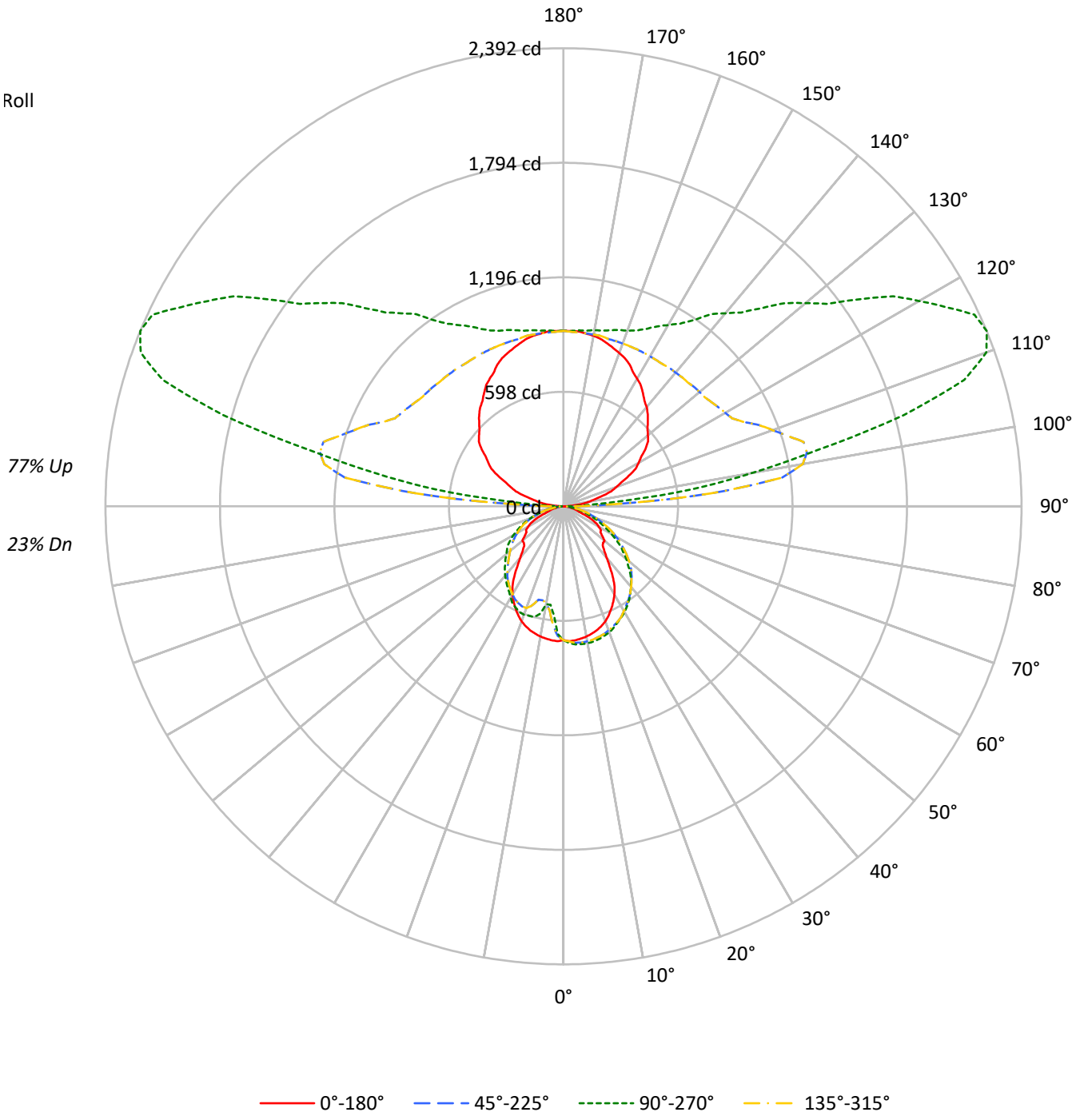
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	27	20
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	25	24	23	17
3	76	67	60	55	67	60	54	49	46	42	39	34	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	40	36	36	32	28	27	24	21	17	16	14	10
6	59	47	39	34	52	42	35	31	33	28	24	24	21	18	16	14	12	9
7	54	42	35	29	48	38	31	27	30	25	21	22	19	16	14	12	11	8
8	50	38	31	26	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6
10	43	32	25	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6486	6486	6486	6486
5°	6526	6547	6526	5148
10°	6477	6449	6477	4611
15°	6398	6310	6398	5269
20°	6257	6144	6257	5280
25°	5976	5903	5976	5168
30°	5616	5702	5616	4923
35°	4999	5448	4999	4653
40°	4157	5150	4157	4448
45°	3708	4801	3708	4214
50°	3931	4384	3931	3978
55°	3686	3935	3686	3843
60°	3789	3342	3789	3519
65°	3418	2763	3418	3087
70°	2351	2203	2351	2590
75°	2036	1627	2036	1949
80°	1610	1078	1610	1172
85°	878	569	878	485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
Vertical Angle: 45°
Luminance: 5694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	0.8
10°-20°	179.1	2.3
20°-30°	276.9	3.6
30°-40°	330.6	4.3
40°-50°	332.5	4.3
50°-60°	289.3	3.7
60°-70°	205.1	2.6
70°-80°	108.5	1.4
80°-90°	30.5	0.4
90°-100°	446.7	5.8
100°-110°	1174.3	15.1
110°-120°	1217.6	15.7
120°-130°	976.7	12.6
130°-140°	766.3	9.9
140°-150°	588.2	7.6
150°-160°	423.6	5.5
160°-170°	259.2	3.3
170°-180°	87.6	1.1
0°-30°	519.1	6.7
0°-40°	849.7	11.0
0°-60°	1471.6	19.0
0°-90°	1815.8	23.4
90°-120°	2838.6	36.6
90°-150°	5169.8	66.7
90°-180°	5940.0	76.6
0°-180°	7755.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	699	699	699	699	699	
5°	702	724	702	569	702	67
15°	670	718	670	599	670	189
25°	590	669	590	586	590	271
35°	449	597	449	510	449	278
45°	290	492	290	432	290	232
55°	236	363	236	354	236	217
65°	164	219	164	245	164	157
75°	62	104	62	124	62	65
85°	11	26	11	22	11	14
90°	6	23	6	23	6	6
95°	59	270	59	270	59	66
105°	212	1839	212	1839	212	224
115°	376	2368	376	2368	376	371
125°	523	1886	523	1886	523	464
135°	623	1463	623	1463	623	482
145°	723	1187	723	1187	723	453
155°	817	1022	817	1022	817	375
165°	881	952	881	952	881	249
175°	916	922	916	922	916	87
180°	916	916	916	916	916	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	704.9	704.9	708.8	710.2	710.2	708.2	706.3	708.2	714.2	716.1	715.4
5°	702.2	707.6	714.8	716.1	717.5	716.8	715.4	716.8	723.4	724.7	725.4
7.5°	697.0	706.9	716.1	718.1	720.1	718.1	717.5	718.8	725.4	726.7	726.7
10°	690.4	704.2	714.8	716.1	718.1	716.1	716.1	718.8	725.4	726.7	727.4
12.5°	681.1	700.3	710.2	711.5	714.2	713.5	712.9	715.4	722.1	723.4	723.4
15°	670.5	693.0	702.2	703.6	708.2	706.9	706.9	709.5	716.8	718.8	718.1
17.5°	656.0	683.8	694.3	696.3	699.7	699.0	699.7	702.2	708.8	710.2	710.9
20°	639.4	671.2	683.8	685.8	689.0	689.0	689.0	692.4	699.0	701.6	701.6
22.5°	616.9	658.0	671.2	672.6	676.5	676.5	677.8	682.4	688.3	689.0	689.0
25°	590.5	643.4	654.6	658.6	662.6	664.6	666.5	669.2	671.2	670.5	671.2
27.5°	562.7	624.9	639.4	642.1	647.4	649.4	652.0	652.6	653.3	655.3	654.0
30°	531.7	599.1	620.9	623.5	632.1	633.5	630.8	632.1	635.5	636.8	638.1
32.5°	496.6	560.7	601.8	607.7	615.7	611.7	611.0	613.0	618.3	618.3	619.6
35°	449.0	531.0	583.9	589.2	595.1	590.5	593.2	593.8	597.1	599.1	598.4
37.5°	396.8	505.2	565.4	569.3	574.0	568.0	572.0	574.0	576.6	575.3	575.3
40°	350.4	464.9	543.6	546.2	550.2	545.6	549.5	550.9	552.2	550.9	550.2
42.5°	316.1	420.5	520.4	523.8	521.1	524.4	525.7	528.4	526.3	523.8	523.8
45°	289.6	408.7	495.3	499.2	495.3	500.6	502.6	502.6	496.6	495.3	494.6
47.5°	281.0	384.8	470.1	470.1	468.2	474.8	478.1	473.5	467.6	465.5	465.5
50°	280.4	358.4	435.8	433.1	442.4	450.3	447.1	442.4	437.8	430.5	430.5
52.5°	254.6	326.0	391.4	401.4	415.9	420.5	415.3	410.7	402.7	399.4	396.8
55°	236.0	292.3	351.1	370.9	386.2	392.1	382.2	377.5	365.7	363.7	362.4
57.5°	232.1	243.3	314.1	339.2	357.7	357.1	351.1	342.5	332.6	330.6	330.0
60°	213.0	175.9	274.4	304.2	323.3	321.3	316.1	308.1	298.9	297.6	296.3
62.5°	193.1	127.6	229.4	263.2	290.3	289.6	285.1	273.1	266.5	263.2	260.5
65°	164.0	107.1	163.4	218.9	257.9	259.2	249.3	240.7	233.4	229.4	228.8
67.5°	125.0	87.3	110.4	182.5	226.8	225.5	213.0	208.9	199.7	197.7	193.7
70°	92.6	58.2	76.7	148.1	196.4	193.1	183.2	178.6	170.0	165.4	162.7
72.5°	76.7	46.9	56.2	115.1	165.4	161.3	152.7	147.5	140.2	136.3	133.6
75°	62.1	49.6	43.0	85.3	134.2	131.6	123.6	118.3	112.4	107.1	107.8
77.5°	45.7	46.2	34.4	62.8	106.5	102.5	97.9	91.3	88.6	83.3	83.3
80°	34.4	36.4	25.8	43.0	76.7	76.7	72.8	68.1	63.5	60.8	60.8
82.5°	23.2	23.2	19.1	27.1	52.3	50.3	47.6	46.2	43.7	42.3	42.3
85°	10.6	13.2	11.9	16.6	28.4	29.8	29.8	28.4	27.8	26.4	27.1
87.5°	3.4	5.9	7.3	9.3	14.6	15.2	15.9	15.9	15.9	16.6	16.6
90°	6.1	11.0	16.0	17.3	27.1	40.2	46.7	41.5	31.2	23.4	23.4
92.5°	24.6	66.4	108.3	118.7	166.8	231.0	263.2	230.6	165.6	116.8	112.2
95°	59.1	135.6	212.1	231.2	410.6	649.8	769.4	686.6	520.9	396.7	382.6
97.5°	102.1	169.6	237.1	254.0	553.0	951.9	1151.3	1098.9	994.2	915.7	888.9
100°	135.3	196.5	257.7	273.0	604.9	1047.4	1268.7	1272.5	1280.2	1285.9	1254.0
102.5°	163.6	220.8	277.9	292.2	628.8	1077.5	1301.9	1368.6	1502.0	1602.1	1574.7
105°	211.6	260.0	308.3	320.4	646.3	1080.9	1298.2	1447.6	1746.7	1971.0	1956.3
107.5°	260.8	305.9	351.0	362.3	649.7	1032.8	1224.4	1433.0	1850.0	2162.9	2166.4
110°	293.9	334.6	375.5	385.6	644.7	990.1	1162.9	1396.1	1862.4	2212.1	2227.4

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	*326.6*	*365.4*	*404.3*	*413.9*	*644.9*	*953.0*	*1107.0*	*1345.6*	*1822.8*	*2180.7*	*2204.2*
115°	375.8	411.6	447.3	456.3	650.9	910.3	1039.9	1269.8	1729.5	2074.3	2107.0
117.5°	424.4	456.9	489.5	497.5	663.0	883.6	993.8	1201.2	1616.2	1927.3	1963.5
120°	452.6	483.2	513.8	521.5	672.7	874.5	975.4	1164.9	1544.0	1828.3	1863.4
122.5°	480.3	511.1	542.1	549.8	686.9	869.8	961.3	1131.9	1473.3	1729.3	1764.0
125°	522.8	550.9	579.1	586.1	706.0	865.9	945.9	1090.8	1380.8	1598.3	1630.3
127.5°	557.2	585.6	614.0	621.1	725.0	863.6	933.0	1057.5	1306.4	1493.2	1520.1
130°	575.6	606.2	636.8	644.4	739.0	865.0	928.0	1038.8	1260.5	1426.7	1451.6
132.5°	594.7	625.3	655.9	663.6	750.2	865.9	923.7	1022.9	1221.4	1370.1	1392.4
135°	623.0	650.9	678.7	685.7	762.6	865.0	916.3	999.4	1165.6	1290.2	1309.4
137.5°	651.8	679.5	707.1	714.0	781.0	870.4	915.1	985.3	1125.8	1231.2	1246.9
140°	675.9	701.3	726.8	733.1	792.3	871.3	910.8	971.4	1092.8	1183.8	1198.5
142.5°	694.3	717.8	741.3	747.2	801.7	874.4	910.8	964.1	1070.7	1150.7	1163.3
145°	722.6	743.1	763.6	768.7	814.0	874.5	904.7	948.2	1035.4	1100.8	1110.3
147.5°	750.8	770.9	790.8	795.8	832.1	880.5	904.7	939.0	1007.5	1059.0	1066.9
150°	769.4	787.4	805.4	809.9	841.5	883.6	904.7	933.6	991.5	1035.0	1041.4
152.5°	788.4	802.1	815.7	819.2	847.7	885.6	904.7	929.4	978.9	1016.0	1020.8
155°	816.7	826.9	836.9	839.5	861.2	890.2	904.7	924.4	963.7	993.2	996.5
157.5°	837.6	847.5	857.2	859.7	874.7	894.7	904.7	919.9	950.5	973.5	975.7
160°	851.7	859.4	867.1	869.0	880.9	896.8	904.7	917.8	944.0	963.6	964.9
162.5°	865.9	871.6	877.3	878.8	887.4	898.9	904.7	915.7	937.9	954.4	955.6
165°	881.3	886.4	891.6	892.9	896.9	902.1	904.7	912.5	928.4	940.2	941.5
167.5°	895.4	897.9	900.3	900.9	904.2	908.6	910.8	916.0	926.3	934.1	934.7
170°	904.7	907.1	909.6	910.2	910.4	910.7	910.8	916.0	926.3	934.1	934.1
172.5°	909.6	910.1	910.7	910.8	910.8	910.8	910.8	914.9	923.1	929.2	928.7
175°	916.3	916.3	916.3	916.3	914.4	912.0	910.8	913.3	918.6	922.5	922.5
177.5°	916.3	916.3	916.3	916.3	914.9	913.0	912.0	914.1	918.2	921.2	920.6
180°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	699.0	*699.0*	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	716.8	*714.8*	716.8	715.4	716.1	714.2	708.2	706.3	708.2	710.2	710.2
5°	725.4	*724.1*	725.4	725.4	724.7	723.4	716.8	715.4	716.8	717.5	716.1
7.5°	728.1	*726.1*	728.1	726.7	726.7	725.4	718.8	717.5	718.1	720.1	718.1
10°	728.1	*726.1*	728.1	727.4	726.7	725.4	718.8	716.1	716.1	718.1	716.1
12.5°	724.7	*723.4*	724.7	723.4	723.4	722.1	715.4	712.9	713.5	714.2	711.5
15°	719.5	*717.5*	719.5	718.1	718.8	716.8	709.5	706.9	706.9	708.2	703.6
17.5°	711.5	*708.8*	711.5	710.9	710.2	708.8	702.2	699.7	699.0	699.7	696.3
20°	702.2	*700.3*	702.2	701.6	701.6	699.0	692.4	689.0	689.0	689.0	685.8
22.5°	687.7	*685.8*	687.7	689.0	689.0	688.3	682.4	677.8	676.5	676.5	672.6
25°	671.2	*669.2*	671.2	671.2	670.5	671.2	669.2	666.5	664.6	662.6	658.6
27.5°	655.3	*654.0*	655.3	654.0	655.3	653.3	652.6	652.0	649.4	647.4	642.1
30°	639.4	*638.1*	639.4	638.1	636.8	635.5	632.1	630.8	633.5	632.1	623.5
32.5°	619.6	*618.3*	619.6	619.6	618.3	618.3	613.0	611.0	611.7	615.7	607.7
35°	599.1	*597.1*	599.1	598.4	599.1	597.1	593.8	593.2	590.5	595.1	589.2
37.5°	575.3	*573.4*	575.3	575.3	575.3	576.6	574.0	572.0	568.0	574.0	569.3
40°	550.9	*548.2*	550.9	550.2	550.9	552.2	550.9	549.5	545.6	550.2	546.2
42.5°	523.1	*522.4*	523.1	523.8	523.8	526.3	528.4	525.7	524.4	521.1	523.8
45°	493.3	*492.0*	493.3	494.6	495.3	496.6	502.6	502.6	500.6	495.3	499.2
47.5°	461.5	*458.3*	461.5	465.5	465.5	467.6	473.5	478.1	474.8	468.2	470.1
50°	427.8	*428.5*	427.8	430.5	430.5	437.8	442.4	447.1	450.3	442.4	433.1
52.5°	394.8	*394.1*	394.8	396.8	399.4	402.7	410.7	415.3	420.5	415.9	401.4
55°	361.7	*363.0*	361.7	362.4	363.7	365.7	377.5	382.2	392.1	386.2	370.9
57.5°	328.6	*326.7*	328.6	330.0	330.6	332.6	342.5	351.1	357.1	357.7	339.2
60°	290.3	*287.6*	290.3	296.3	297.6	298.9	308.1	316.1	321.3	323.3	304.2
62.5°	256.6	*251.9*	256.6	260.5	263.2	266.5	273.1	285.1	289.6	290.3	263.2
65°	220.9	*218.9*	220.9	228.8	229.4	233.4	240.7	249.3	259.2	257.9	218.9
67.5°	188.4	*188.4*	188.4	193.7	197.7	199.7	208.9	213.0	225.5	226.8	182.5
70°	158.7	*158.1*	158.7	162.7	165.4	170.0	178.6	183.2	193.1	196.4	148.1
72.5°	130.3	*129.6*	130.3	133.6	136.3	140.2	147.5	152.7	161.3	165.4	115.1
75°	105.1	*103.8*	105.1	107.8	107.1	112.4	118.3	123.6	131.6	134.2	85.3
77.5°	80.7	*80.7*	80.7	83.3	83.3	88.6	91.3	97.9	102.5	106.5	62.8
80°	60.1	*59.6*	60.1	60.8	60.8	63.5	68.1	72.8	76.7	76.7	43.0
82.5°	42.3	*41.0*	42.3	42.3	42.3	43.7	46.2	47.6	50.3	52.3	27.1
85°	26.4	*26.4*	26.4	27.1	26.4	27.8	28.4	29.8	29.8	28.4	16.6
87.5°	17.2	*16.6*	17.2	16.6	16.6	15.9	15.9	15.9	15.2	14.6	9.3
90°	23.4	*23.4*	23.4	23.4	23.4	31.2	41.5	46.7	40.2	27.1	17.3
92.5°	93.6	*75.0*	93.6	112.2	116.8	165.6	230.6	263.2	231.0	166.8	118.7
95°	326.3	*270.0*	326.3	382.6	396.7	520.9	686.6	769.4	649.8	410.6	231.2
97.5°	781.8	*674.6*	781.8	888.9	915.7	994.2	1098.9	1151.3	951.9	553.0	254.0
100°	1126.4	*998.7*	1126.4	1254.0	1285.9	1280.2	1272.5	1268.7	1047.4	604.9	273.0
102.5°	1465.4	*1356.0*	1465.4	1574.7	1602.1	1502.0	1368.6	1301.9	1077.5	628.8	292.2
105°	1897.6	*1838.8*	1897.6	1956.3	1971.0	1746.7	1447.6	1298.2	1080.9	646.3	320.4
107.5°	2180.6	*2194.8*	2180.6	2166.4	2162.9	1850.0	1433.0	1224.4	1032.8	649.7	362.3
110°	2288.6	*2349.8*	2288.6	2227.4	2212.1	1862.4	1396.1	1162.9	990.1	644.7	385.6

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P935883
CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	*2298.3*	*2392.2*	*2298.3*	*2204.2*	*2180.7*	*1822.8*	*1345.6*	*1107.0*	*953.0*	*644.9*	*413.9*
115°	2237.3	*2367.7*	2237.3	2107.0	2074.3	1729.5	1269.8	1039.9	910.3	650.9	456.3
117.5°	2108.1	*2252.6*	2108.1	1963.5	1927.3	1616.2	1201.2	993.8	883.6	663.0	497.5
120°	2003.9	*2144.5*	2003.9	1863.4	1828.3	1544.0	1164.9	975.4	874.5	672.7	521.5
122.5°	1902.6	*2041.1*	1902.6	1764.0	1729.3	1473.3	1131.9	961.3	869.8	686.9	549.8
125°	1757.8	*1885.5*	1757.8	1630.3	1598.3	1380.8	1090.8	945.9	865.9	706.0	586.1
127.5°	1627.8	*1735.5*	1627.8	1520.1	1493.2	1306.4	1057.5	933.0	863.6	725.0	621.1
130°	1551.1	*1650.6*	1551.1	1451.6	1426.7	1260.5	1038.8	928.0	865.0	739.0	644.4
132.5°	1481.5	*1570.6*	1481.5	1392.4	1370.1	1221.4	1022.9	923.7	865.9	750.2	663.6
135°	1386.2	*1463.0*	1386.2	1309.4	1290.2	1165.6	999.4	916.3	865.0	762.6	685.7
137.5°	1309.8	*1372.6*	1309.8	1246.9	1231.2	1125.8	985.3	915.1	870.4	781.0	714.0
140°	1257.2	*1316.0*	1257.2	1198.5	1183.8	1092.8	971.4	910.8	871.3	792.3	733.1
142.5°	1213.9	*1264.3*	1213.9	1163.3	1150.7	1070.7	964.1	910.8	874.4	801.7	747.2
145°	1148.7	*1186.9*	1148.7	1110.3	1100.8	1035.4	948.2	904.7	874.5	814.0	768.7
147.5°	1098.6	*1130.4*	1098.6	1066.9	1059.0	1007.5	939.0	904.7	880.5	832.1	795.8
150°	1067.1	*1092.8*	1067.1	1041.4	1035.0	991.5	933.6	904.7	883.6	841.5	809.9
152.5°	1040.2	*1059.6*	1040.2	1020.8	1016.0	978.9	929.4	904.7	885.6	847.7	819.2
155°	1009.3	*1022.1*	1009.3	996.5	993.2	963.7	924.4	904.7	890.2	861.2	839.5
157.5°	984.7	*993.8*	984.7	975.7	973.5	950.5	919.9	904.7	894.7	874.7	859.7
160°	970.1	*975.4*	970.1	964.9	963.6	944.0	917.8	904.7	896.8	880.9	869.0
162.5°	960.6	*965.5*	960.6	955.6	954.4	937.9	915.7	904.7	898.9	887.4	878.8
165°	946.8	*952.0*	946.8	941.5	940.2	928.4	912.5	904.7	902.1	896.9	892.9
167.5°	936.9	*939.1*	936.9	934.7	934.1	926.3	916.0	910.8	908.6	904.2	900.9
170°	934.1	*934.1*	934.1	934.1	934.1	926.3	916.0	910.8	910.7	910.4	910.2
172.5°	926.8	*925.0*	926.8	928.7	929.2	923.1	914.9	910.8	910.8	910.8	910.8
175°	922.5	*922.5*	922.5	922.5	922.5	918.6	913.3	910.8	912.0	914.4	916.3
177.5°	918.5	*916.3*	918.5	920.6	921.2	918.2	914.1	912.0	913.0	914.9	916.3
180°	916.3	*916.3*	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P935883
CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	708.8	704.9	704.9	698.3	695.6	693.7	690.4	680.4	677.8	675.1	679.2
5°	714.8	707.6	702.2	690.4	680.4	676.5	663.9	640.1	624.2	612.3	605.7
7.5°	716.1	706.9	697.0	678.5	654.6	644.1	605.7	562.1	550.2	539.6	532.9
10°	714.8	704.2	690.4	662.6	606.4	587.9	549.5	521.1	513.8	511.8	513.8
12.5°	710.2	700.3	681.1	634.8	556.1	543.6	521.1	504.5	503.3	506.5	524.4
15°	702.2	693.0	670.5	597.8	528.4	519.1	503.3	497.2	504.5	527.7	581.2
17.5°	694.3	683.8	656.0	561.4	507.2	500.6	489.4	501.3	542.2	573.4	591.2
20°	683.8	671.2	639.4	535.0	492.0	486.0	480.8	534.3	565.4	576.6	586.6
22.5°	671.2	658.0	616.9	516.5	476.1	471.5	474.8	552.9	565.4	573.4	581.9
25°	654.6	643.4	590.5	501.9	463.5	458.3	470.8	550.9	558.1	560.0	577.3
27.5°	639.4	624.9	562.7	488.7	448.3	446.4	474.2	542.2	547.5	549.5	568.0
30°	620.9	599.1	531.7	474.8	432.5	431.8	474.8	531.7	530.4	535.6	554.1
32.5°	601.8	560.7	496.6	457.6	417.3	416.6	470.1	515.8	514.5	521.7	535.6
35°	583.9	531.0	449.0	437.8	398.0	398.7	458.9	497.2	497.9	504.5	513.1
37.5°	565.4	505.2	396.8	415.9	379.6	379.6	443.7	480.1	478.8	480.8	492.6
40°	543.6	464.9	350.4	387.5	362.4	360.4	425.2	461.5	456.9	456.3	472.8
42.5°	520.4	420.5	316.1	349.8	342.5	339.9	402.7	439.1	430.5	432.5	453.7
45°	495.3	408.7	289.6	295.6	322.0	320.1	378.2	413.3	407.3	412.6	434.4
47.5°	470.1	384.8	281.0	245.3	300.2	299.5	351.1	388.2	384.8	390.2	413.3
50°	435.8	358.4	280.4	210.3	275.8	278.3	318.8	363.7	363.7	368.4	392.8
52.5°	391.4	326.0	254.6	190.4	247.3	255.3	290.3	342.5	343.8	348.5	370.3
55°	351.1	292.3	236.0	175.2	213.6	230.8	262.5	320.7	323.3	327.9	347.9
57.5°	314.1	243.3	232.1	157.4	182.5	199.1	238.0	299.5	300.8	304.9	324.0
60°	274.4	175.9	213.0	138.2	155.4	167.9	215.5	274.4	279.0	281.7	298.3
62.5°	229.4	127.6	193.1	125.0	142.2	144.8	197.1	250.6	256.6	258.5	268.5
65°	163.4	107.1	164.0	113.8	128.3	129.0	177.2	226.2	231.4	234.8	242.1
67.5°	110.4	87.3	125.0	103.1	117.7	118.3	158.1	197.7	205.0	207.7	212.3
70°	76.7	58.2	92.6	91.9	105.8	107.1	137.5	172.0	178.6	180.5	183.2
72.5°	56.2	46.9	76.7	82.6	93.3	94.6	116.3	142.9	149.5	151.4	152.7
75°	43.0	49.6	62.1	72.1	79.4	80.0	95.2	116.3	121.0	122.4	123.0
77.5°	34.4	46.2	45.7	58.2	64.8	63.5	74.7	89.9	93.9	93.9	93.9
80°	25.8	36.4	34.4	41.7	47.6	46.2	53.5	64.2	65.5	66.8	66.2
82.5°	19.1	23.2	23.2	26.4	31.7	30.5	35.7	41.7	41.7	41.7	43.0
85°	11.9	13.2	10.6	13.9	17.8	17.2	19.8	22.5	23.2	23.2	21.8
87.5°	7.3	5.9	3.4	5.3	7.9	7.9	9.3	10.0	9.3	9.3	9.3
90°	16.0	11.0	6.1	11.0	16.0	17.3	27.1	40.2	46.7	41.5	31.2
92.5°	108.3	66.4	24.6	66.4	108.3	118.7	166.8	231.0	263.2	230.6	165.6
95°	212.1	135.6	59.1	135.6	212.1	231.2	410.6	649.8	769.4	686.6	520.9
97.5°	237.1	169.6	102.1	169.6	237.1	254.0	553.0	951.9	1151.3	1098.9	994.2
100°	257.7	196.5	135.3	196.5	257.7	273.0	604.9	1047.4	1268.7	1272.5	1280.2
102.5°	277.9	220.8	163.6	220.8	277.9	292.2	628.8	1077.5	1301.9	1368.6	1502.0
105°	308.3	260.0	211.6	260.0	308.3	320.4	646.3	1080.9	1298.2	1447.6	1746.7
107.5°	351.0	305.9	260.8	305.9	351.0	362.3	649.7	1032.8	1224.4	1433.0	1850.0
110°	375.5	334.6	293.9	334.6	375.5	385.6	644.7	990.1	1162.9	1396.1	1862.4

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P935883
CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	*404.3*	*365.4*	*326.6*	*365.4*	*404.3*	*413.9*	*644.9*	*953.0*	*1107.0*	*1345.6*	*1822.8*
115°	447.3	411.6	375.8	411.6	447.3	456.3	650.9	910.3	1039.9	1269.8	1729.5
117.5°	489.5	456.9	424.4	456.9	489.5	497.5	663.0	883.6	993.8	1201.2	1616.2
120°	513.8	483.2	452.6	483.2	513.8	521.5	672.7	874.5	975.4	1164.9	1544.0
122.5°	542.1	511.1	480.3	511.1	542.1	549.8	686.9	869.8	961.3	1131.9	1473.3
125°	579.1	550.9	522.8	550.9	579.1	586.1	706.0	865.9	945.9	1090.8	1380.8
127.5°	614.0	585.6	557.2	585.6	614.0	621.1	725.0	863.6	933.0	1057.5	1306.4
130°	636.8	606.2	575.6	606.2	636.8	644.4	739.0	865.0	928.0	1038.8	1260.5
132.5°	655.9	625.3	594.7	625.3	655.9	663.6	750.2	865.9	923.7	1022.9	1221.4
135°	678.7	650.9	623.0	650.9	678.7	685.7	762.6	865.0	916.3	999.4	1165.6
137.5°	707.1	679.5	651.8	679.5	707.1	714.0	781.0	870.4	915.1	985.3	1125.8
140°	726.8	701.3	675.9	701.3	726.8	733.1	792.3	871.3	910.8	971.4	1092.8
142.5°	741.3	717.8	694.3	717.8	741.3	747.2	801.7	874.4	910.8	964.1	1070.7
145°	763.6	743.1	722.6	743.1	763.6	768.7	814.0	874.5	904.7	948.2	1035.4
147.5°	790.8	770.9	750.8	770.9	790.8	795.8	832.1	880.5	904.7	939.0	1007.5
150°	805.4	787.4	769.4	787.4	805.4	809.9	841.5	883.6	904.7	933.6	991.5
152.5°	815.7	802.1	788.4	802.1	815.7	819.2	847.7	885.6	904.7	929.4	978.9
155°	836.9	826.9	816.7	826.9	836.9	839.5	861.2	890.2	904.7	924.4	963.7
157.5°	857.2	847.5	837.6	847.5	857.2	859.7	874.7	894.7	904.7	919.9	950.5
160°	867.1	859.4	851.7	859.4	867.1	869.0	880.9	896.8	904.7	917.8	944.0
162.5°	877.3	871.6	865.9	871.6	877.3	878.8	887.4	898.9	904.7	915.7	937.9
165°	891.6	886.4	881.3	886.4	891.6	892.9	896.9	902.1	904.7	912.5	928.4
167.5°	900.3	897.9	895.4	897.9	900.3	900.9	904.2	908.6	910.8	916.0	926.3
170°	909.6	907.1	904.7	907.1	909.6	910.2	910.4	910.7	910.8	916.0	926.3
172.5°	910.7	910.1	909.6	910.1	910.7	910.8	910.8	910.8	910.8	914.9	923.1
175°	916.3	916.3	916.3	916.3	916.3	916.3	914.4	912.0	910.8	913.3	918.6
177.5°	916.3	916.3	916.3	916.3	916.3	916.3	914.9	913.0	912.0	914.1	918.2
180°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P935883
CATALOG NUMBER: SQ4-FA-150U-050D-B2750-1D-UNV-W2A-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	674.5	672.6	675.1	667.9	675.1	672.6	674.5	679.2	675.1	677.8	680.4
5°	591.8	588.5	578.0	569.3	578.0	588.5	591.8	605.7	612.3	624.2	640.1
7.5°	529.0	526.3	523.8	518.4	523.8	526.3	529.0	532.9	539.6	550.2	562.1
10°	515.1	515.8	519.7	519.1	519.7	515.8	515.1	513.8	511.8	513.8	521.1
12.5°	550.9	556.8	578.6	577.3	578.6	556.8	550.9	524.4	506.5	503.3	504.5
15°	591.8	593.8	598.4	599.1	598.4	593.8	591.8	581.2	527.7	504.5	497.2
17.5°	595.8	596.4	599.8	599.8	599.8	596.4	595.8	591.2	573.4	542.2	501.3
20°	592.5	593.8	600.5	601.8	600.5	593.8	592.5	586.6	576.6	565.4	534.3
22.5°	591.2	593.8	599.1	598.4	599.1	593.8	591.2	581.9	573.4	565.4	552.9
25°	584.6	584.6	585.2	585.9	585.2	584.6	584.6	577.3	560.0	558.1	550.9
27.5°	570.7	572.0	575.9	575.3	575.9	572.0	570.7	568.0	549.5	547.5	542.2
30°	558.1	556.8	553.4	550.9	553.4	556.8	558.1	554.1	535.6	530.4	531.7
32.5°	537.0	533.6	530.4	528.4	530.4	533.6	537.0	535.6	521.7	514.5	515.8
35°	511.8	512.5	511.8	509.9	511.8	512.5	511.8	513.1	504.5	497.9	497.2
37.5°	494.0	495.3	494.6	492.0	494.6	495.3	494.0	492.6	480.8	478.8	480.1
40°	475.4	476.1	475.4	473.5	475.4	476.1	475.4	472.8	456.3	456.9	461.5
42.5°	457.6	456.9	454.9	453.7	454.9	456.9	457.6	453.7	432.5	430.5	439.1
45°	437.1	437.8	433.7	431.8	433.7	437.8	437.1	434.4	412.6	407.3	413.3
47.5°	416.6	416.6	413.3	411.3	413.3	416.6	416.6	413.3	390.2	384.8	388.2
50°	394.8	394.1	389.5	388.8	389.5	394.1	394.8	392.8	368.4	363.7	363.7
52.5°	369.7	369.7	370.3	371.6	370.3	369.7	369.7	370.3	348.5	343.8	342.5
55°	347.9	348.5	353.1	354.5	353.1	348.5	347.9	347.9	327.9	323.3	320.7
57.5°	325.4	325.4	328.6	328.6	328.6	325.4	325.4	324.0	304.9	300.8	299.5
60°	299.5	300.8	303.5	302.9	303.5	300.8	299.5	298.3	281.7	279.0	274.4
62.5°	272.4	273.8	274.4	273.1	274.4	273.8	272.4	268.5	258.5	256.6	250.6
65°	244.0	245.3	246.0	244.6	246.0	245.3	244.0	242.1	234.8	231.4	226.2
67.5°	214.9	214.3	213.6	216.2	213.6	214.3	214.9	212.3	207.7	205.0	197.7
70°	185.2	185.2	184.5	185.9	184.5	185.2	185.2	183.2	180.5	178.6	172.0
72.5°	153.4	152.7	155.4	153.4	155.4	152.7	153.4	152.7	151.4	149.5	142.9
75°	122.4	123.6	122.4	124.3	122.4	123.6	122.4	123.0	122.4	121.0	116.3
77.5°	93.3	94.6	93.3	93.3	93.3	94.6	93.3	93.9	93.9	93.9	89.9
80°	66.2	65.5	65.5	64.8	65.5	65.5	66.2	66.2	66.8	65.5	64.2
82.5°	42.3	41.7	41.7	43.0	41.7	41.7	42.3	43.0	41.7	41.7	41.7
85°	23.2	23.8	22.5	22.5	22.5	23.8	23.2	21.8	23.2	23.2	22.5
87.5°	8.6	7.9	7.9	7.9	7.9	7.9	8.6	9.3	9.3	9.3	10.0
90°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	31.2	41.5	46.7	40.2
92.5°	116.8	112.2	93.6	75.0	93.6	112.2	116.8	165.6	230.6	263.2	231.0
95°	396.7	382.6	326.3	270.0	326.3	382.6	396.7	520.9	686.6	769.4	649.8
97.5°	915.7	888.9	781.8	674.6	781.8	888.9	915.7	994.2	1098.9	1151.3	951.9
100°	1285.9	1254.0	1126.4	998.7	1126.4	1254.0	1285.9	1280.2	1272.5	1268.7	1047.4
102.5°	1602.1	1574.7	1465.4	1356.0	1465.4	1574.7	1602.1	1502.0	1368.6	1301.9	1077.5
105°	1971.0	1956.3	1897.6	1838.8	1897.6	1956.3	1971.0	1746.7	1447.6	1298.2	1080.9
107.5°	2162.9	2166.4	2180.6	2194.8	2180.6	2166.4	2162.9	1850.0	1433.0	1224.4	1032.8
110°	2212.1	2227.4	2288.6	2349.8	2288.6	2227.4	2212.1	1862.4	1396.1	1162.9	990.1

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	*2180.7*	*2204.2*	*2298.3*	*2392.2*	*2298.3*	*2204.2*	*2180.7*	*1822.8*	*1345.6*	*1107.0*	*953.0*
115°	2074.3	2107.0	2237.3	2367.7	2237.3	2107.0	2074.3	1729.5	1269.8	1039.9	910.3
117.5°	1927.3	1963.5	2108.1	2252.6	2108.1	1963.5	1927.3	1616.2	1201.2	993.8	883.6
120°	1828.3	1863.4	2003.9	2144.5	2003.9	1863.4	1828.3	1544.0	1164.9	975.4	874.5
122.5°	1729.3	1764.0	1902.6	2041.1	1902.6	1764.0	1729.3	1473.3	1131.9	961.3	869.8
125°	1598.3	1630.3	1757.8	1885.5	1757.8	1630.3	1598.3	1380.8	1090.8	945.9	865.9
127.5°	1493.2	1520.1	1627.8	1735.5	1627.8	1520.1	1493.2	1306.4	1057.5	933.0	863.6
130°	1426.7	1451.6	1551.1	1650.6	1551.1	1451.6	1426.7	1260.5	1038.8	928.0	865.0
132.5°	1370.1	1392.4	1481.5	1570.6	1481.5	1392.4	1370.1	1221.4	1022.9	923.7	865.9
135°	1290.2	1309.4	1386.2	1463.0	1386.2	1309.4	1290.2	1165.6	999.4	916.3	865.0
137.5°	1231.2	1246.9	1309.8	1372.6	1309.8	1246.9	1231.2	1125.8	985.3	915.1	870.4
140°	1183.8	1198.5	1257.2	1316.0	1257.2	1198.5	1183.8	1092.8	971.4	910.8	871.3
142.5°	1150.7	1163.3	1213.9	1264.3	1213.9	1163.3	1150.7	1070.7	964.1	910.8	874.4
145°	1100.8	1110.3	1148.7	1186.9	1148.7	1110.3	1100.8	1035.4	948.2	904.7	874.5
147.5°	1059.0	1066.9	1098.6	1130.4	1098.6	1066.9	1059.0	1007.5	939.0	904.7	880.5
150°	1035.0	1041.4	1067.1	1092.8	1067.1	1041.4	1035.0	991.5	933.6	904.7	883.6
152.5°	1016.0	1020.8	1040.2	1059.6	1040.2	1020.8	1016.0	978.9	929.4	904.7	885.6
155°	993.2	996.5	1009.3	1022.1	1009.3	996.5	993.2	963.7	924.4	904.7	890.2
157.5°	973.5	975.7	984.7	993.8	984.7	975.7	973.5	950.5	919.9	904.7	894.7
160°	963.6	964.9	970.1	975.4	970.1	964.9	963.6	944.0	917.8	904.7	896.8
162.5°	954.4	955.6	960.6	965.5	960.6	955.6	954.4	937.9	915.7	904.7	898.9
165°	940.2	941.5	946.8	952.0	946.8	941.5	940.2	928.4	912.5	904.7	902.1
167.5°	934.1	934.7	936.9	939.1	936.9	934.7	934.1	926.3	916.0	910.8	908.6
170°	934.1	934.1	934.1	934.1	934.1	934.1	934.1	926.3	916.0	910.8	910.7
172.5°	929.2	928.7	926.8	925.0	926.8	928.7	929.2	923.1	914.9	910.8	910.8
175°	922.5	922.5	922.5	922.5	922.5	922.5	922.5	918.6	913.3	910.8	912.0
177.5°	921.2	920.6	918.5	916.3	918.5	920.6	921.2	918.2	914.1	912.0	913.0
180°	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3	916.3

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	699.0	699.0	699.0	699.0	699.0
2.5°	690.4	693.7	695.6	698.3	704.9
5°	663.9	676.5	680.4	690.4	702.2
7.5°	605.7	644.1	654.6	678.5	697.0
10°	549.5	587.9	606.4	662.6	690.4
12.5°	521.1	543.6	556.1	634.8	681.1
15°	503.3	519.1	528.4	597.8	670.5
17.5°	489.4	500.6	507.2	561.4	656.0
20°	480.8	486.0	492.0	535.0	639.4
22.5°	474.8	471.5	476.1	516.5	616.9
25°	470.8	458.3	463.5	501.9	590.5
27.5°	474.2	446.4	448.3	488.7	562.7
30°	474.8	431.8	432.5	474.8	531.7
32.5°	470.1	416.6	417.3	457.6	496.6
35°	458.9	398.7	398.0	437.8	449.0
37.5°	443.7	379.6	379.6	415.9	396.8
40°	425.2	360.4	362.4	387.5	350.4
42.5°	402.7	339.9	342.5	349.8	316.1
45°	378.2	320.1	322.0	295.6	289.6
47.5°	351.1	299.5	300.2	245.3	281.0
50°	318.8	278.3	275.8	210.3	280.4
52.5°	290.3	255.3	247.3	190.4	254.6
55°	262.5	230.8	213.6	175.2	236.0
57.5°	238.0	199.1	182.5	157.4	232.1
60°	215.5	167.9	155.4	138.2	213.0
62.5°	197.1	144.8	142.2	125.0	193.1
65°	177.2	129.0	128.3	113.8	164.0
67.5°	158.1	118.3	117.7	103.1	125.0
70°	137.5	107.1	105.8	91.9	92.6
72.5°	116.3	94.6	93.3	82.6	76.7
75°	95.2	80.0	79.4	72.1	62.1
77.5°	74.7	63.5	64.8	58.2	45.7
80°	53.5	46.2	47.6	41.7	34.4
82.5°	35.7	30.5	31.7	26.4	23.2
85°	19.8	17.2	17.8	13.9	10.6
87.5°	9.3	7.9	7.9	5.3	3.4
90°	27.1	17.3	16.0	11.0	6.1
92.5°	166.8	118.7	108.3	66.4	24.6
95°	410.6	231.2	212.1	135.6	59.1
97.5°	553.0	254.0	237.1	169.6	102.1
100°	604.9	273.0	257.7	196.5	135.3
102.5°	628.8	292.2	277.9	220.8	163.6
105°	646.3	320.4	308.3	260.0	211.6
107.5°	649.7	362.3	351.0	305.9	260.8
110°	644.7	385.6	375.5	334.6	293.9

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	*644.9*	*413.9*	*404.3*	*365.4*	*326.6*
115°	650.9	456.3	447.3	411.6	375.8
117.5°	663.0	497.5	489.5	456.9	424.4
120°	672.7	521.5	513.8	483.2	452.6
122.5°	686.9	549.8	542.1	511.1	480.3
125°	706.0	586.1	579.1	550.9	522.8
127.5°	725.0	621.1	614.0	585.6	557.2
130°	739.0	644.4	636.8	606.2	575.6
132.5°	750.2	663.6	655.9	625.3	594.7
135°	762.6	685.7	678.7	650.9	623.0
137.5°	781.0	714.0	707.1	679.5	651.8
140°	792.3	733.1	726.8	701.3	675.9
142.5°	801.7	747.2	741.3	717.8	694.3
145°	814.0	768.7	763.6	743.1	722.6
147.5°	832.1	795.8	790.8	770.9	750.8
150°	841.5	809.9	805.4	787.4	769.4
152.5°	847.7	819.2	815.7	802.1	788.4
155°	861.2	839.5	836.9	826.9	816.7
157.5°	874.7	859.7	857.2	847.5	837.6
160°	880.9	869.0	867.1	859.4	851.7
162.5°	887.4	878.8	877.3	871.6	865.9
165°	896.9	892.9	891.6	886.4	881.3
167.5°	904.2	900.9	900.3	897.9	895.4
170°	910.4	910.2	909.6	907.1	904.7
172.5°	910.8	910.8	910.7	910.1	909.6
175°	914.4	916.3	916.3	916.3	916.3
177.5°	914.9	916.3	916.3	916.3	916.3
180°	916.3	916.3	916.3	916.3	916.3

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CIE UGR TABLE:

Reflectances:											
	Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
	Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
	Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	8.08	8.74	9.24	9.89	11.49	10.88	11.54	12.03	12.68	14.29
	3H	8.54	9.14	9.70	10.29	11.91	12.20	12.79	13.36	13.94	15.56
	4H	8.72	9.29	9.89	10.44	12.06	12.62	13.19	13.80	14.34	15.97
	6H	8.83	9.35	10.01	10.50	12.14	12.89	13.41	14.07	14.56	16.20
	8H	8.83	9.32	10.01	10.49	12.12	12.96	13.45	14.14	14.62	16.25
	12H	8.79	9.26	9.98	10.42	12.07	12.98	13.45	14.17	14.61	16.27
4H	2H	9.08	9.64	10.26	10.80	12.42	11.26	11.83	12.44	12.98	14.61
	3H	10.09	10.56	11.27	11.73	13.37	12.74	13.21	13.92	14.39	16.03
	4H	10.35	10.79	11.54	11.95	13.61	13.25	13.69	14.44	14.85	16.51
	6H	10.47	10.84	11.66	12.03	13.67	13.60	13.97	14.79	15.16	16.80
	8H	10.47	10.82	11.66	12.00	13.66	13.70	14.04	14.89	15.22	16.88
	12H	10.43	10.74	11.63	11.93	13.60	13.74	14.05	14.94	15.24	16.91
8H	4H	10.79	11.13	11.98	12.31	13.97	13.36	13.71	14.55	14.89	16.55
	6H	11.04	11.33	12.25	12.55	14.21	13.78	14.07	14.99	15.29	16.95
	8H	11.08	11.33	12.29	12.53	14.21	13.93	14.18	15.14	15.37	17.05
	12H	11.06	11.27	12.27	12.47	14.18	14.01	14.23	15.23	15.42	17.13
12H	4H	10.78	11.10	11.99	12.29	13.95	13.32	13.63	14.52	14.82	16.49
	6H	11.10	11.35	12.31	12.54	14.22	13.78	14.03	14.99	15.22	16.90
	8H	11.16	11.37	12.37	12.57	14.28	13.92	14.14	15.14	15.34	17.05

END OF REPORT