

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P395754

Luminaire Tested: **I3-UL-60L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-60L82765-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6169.7 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

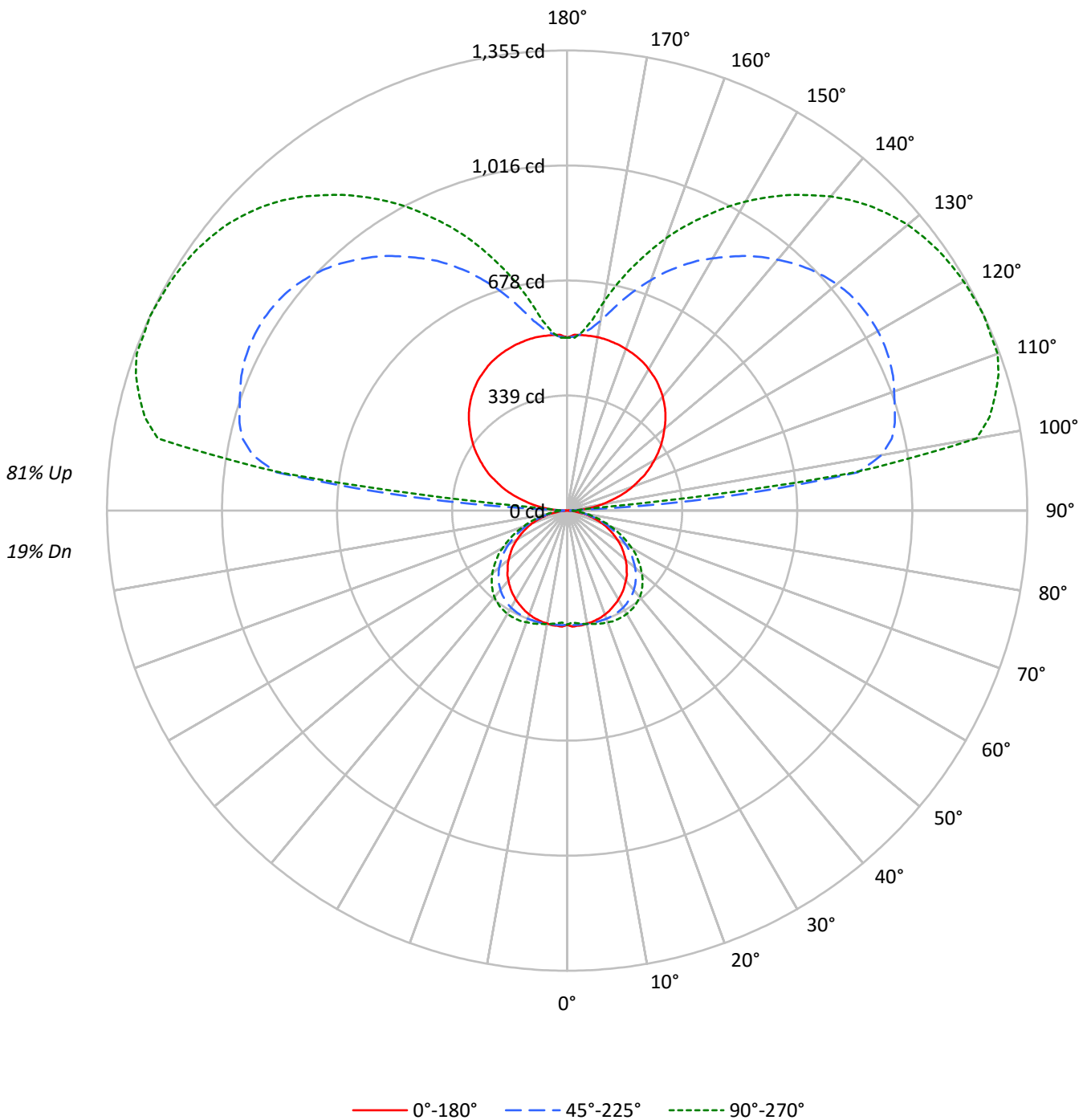
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1847	1847	1847
5°	1872	1820	1785
10°	1870	1808	1788
15°	1874	1801	1803
20°	1874	1809	1824
25°	1871	1813	1852
30°	1874	1816	1869
35°	1873	1806	1878
40°	1864	1793	1867
45°	1848	1756	1826
50°	1831	1698	1759
55°	1800	1616	1658
60°	1744	1499	1526
65°	1667	1335	1361
70°	1576	1158	1148
75°	1365	907	921
80°	1086	653	666
85°	645	380	439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	0.5
10°-20°	95.9	1.6
20°-30°	154.2	2.5
30°-40°	198.5	3.2
40°-50°	218.0	3.5
50°-60°	204.9	3.3
60°-70°	159.2	2.6
70°-80°	91.3	1.5
80°-90°	29.3	0.5
90°-100°	394.4	6.4
100°-110°	937.2	15.2
110°-120°	941.5	15.3
120°-130°	863.4	14.0
130°-140°	722.0	11.7
140°-150°	541.9	8.8
150°-160°	352.8	5.7
160°-170°	181.7	2.9
170°-180°	51.4	0.8
0°-30°	282.3	4.6
0°-40°	480.8	7.8
0°-60°	903.7	14.6
0°-90°	1183.5	19.2
90°-120°	2273.1	36.8
90°-150°	4400.4	71.3
90°-180°	4986.0	80.8
0°-180°	6169.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	336	336	336	336	336	
5°	341	338	338	336	333	32
15°	333	332	339	344	345	94
25°	315	318	336	348	353	145
35°	287	295	319	339	345	180
45°	248	260	286	307	313	192
55°	199	210	233	249	255	178
65°	140	148	161	175	179	138
75°	74	78	85	94	97	79
85°	15	18	24	32	34	18
90°	2	5	9	14	15	5
95°	53	441	453	61	52	53
105°	154	592	999	1232	1305	162
115°	254	666	1048	1274	1355	250
125°	338	695	1054	1262	1335	301
135°	409	692	1007	1197	1267	315
145°	462	663	915	1075	1134	289
155°	496	608	795	911	955	229
165°	514	549	645	715	742	145
175°	518	517	523	529	529	49
180°	509	509	509	509	509	



TEST NUMBER: P395754

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0
2.5°	342.1	340.6	339.1	339.1	337.6	337.6	337.6	336.0	336.0	336.0	337.6
5°	340.6	340.6	339.1	337.6	337.6	337.6	336.0	336.0	336.0	336.0	337.6
7.5°	340.6	339.1	337.6	337.6	336.0	336.0	336.0	336.0	336.0	336.0	337.6
10°	337.6	337.6	336.0	336.0	334.5	336.0	336.0	336.0	336.0	336.0	339.1
12.5°	336.0	336.0	334.5	333.0	333.0	333.0	334.5	334.5	334.5	336.0	339.1
15°	333.0	333.0	331.5	331.5	331.5	331.5	333.0	333.0	334.5	336.0	339.1
17.5°	330.0	330.0	328.4	328.4	328.4	330.0	330.0	331.5	333.0	336.0	339.1
20°	325.4	325.4	325.4	325.4	325.4	326.9	326.9	328.4	331.5	334.5	339.1
22.5°	320.8	320.8	320.8	320.8	320.8	322.4	323.9	326.9	328.4	333.0	337.6
25°	314.7	314.7	314.7	314.7	316.3	317.8	319.3	322.4	325.4	330.0	336.0
27.5°	308.7	310.2	310.2	310.2	311.7	313.2	314.7	317.8	322.4	328.4	333.0
30°	302.6	302.6	302.6	304.1	305.6	307.1	310.2	313.2	317.8	323.9	330.0
32.5°	295.0	295.0	296.5	296.5	299.5	301.1	304.1	308.7	313.2	319.3	325.4
35°	287.4	287.4	287.4	290.4	291.9	295.0	296.5	301.1	307.1	313.2	319.3
37.5°	278.3	279.8	279.8	281.3	284.3	287.4	288.9	295.0	301.1	307.1	313.2
40°	269.1	270.7	270.7	272.2	276.7	278.3	281.3	287.4	291.9	299.5	305.6
42.5°	260.0	260.0	261.5	263.1	267.6	269.1	272.2	278.3	284.3	290.4	296.5
45°	247.8	249.4	250.9	252.4	257.0	260.0	263.1	267.6	273.7	279.8	285.9
47.5°	237.2	237.2	238.7	241.8	246.3	249.4	250.9	257.0	261.5	267.6	273.7
50°	225.0	226.6	226.6	229.6	234.2	237.2	238.7	244.8	249.4	255.4	261.5
52.5°	211.4	212.9	214.4	217.4	222.0	225.0	226.6	231.1	235.7	241.8	246.3
55°	199.2	200.7	200.7	203.8	208.3	209.8	212.9	215.9	222.0	226.6	232.6
57.5°	185.5	187.0	187.0	190.1	193.1	196.1	197.7	202.2	206.8	211.4	215.9
60°	170.3	171.8	173.3	174.9	177.9	180.9	182.5	185.5	190.1	194.6	199.2
62.5°	155.1	156.6	158.1	159.7	162.7	164.2	165.7	170.3	173.3	177.9	180.9
65°	139.9	141.4	142.9	144.5	146.0	147.5	149.0	152.1	155.1	159.7	161.2
67.5°	124.7	126.2	126.2	127.7	129.2	130.8	132.3	135.3	136.8	141.4	142.9
70°	109.5	109.5	109.5	111.0	111.0	112.5	114.0	117.1	118.6	121.6	124.7
72.5°	91.2	92.8	92.8	92.8	94.3	95.8	97.3	98.8	100.4	101.9	104.9
75°	74.5	76.0	74.5	76.0	77.5	77.5	79.1	80.6	82.1	83.6	85.1
77.5°	59.3	57.8	59.3	59.3	60.8	60.8	60.8	62.3	65.4	65.4	68.4
80°	42.6	42.6	42.6	42.6	44.1	44.1	45.6	45.6	48.7	50.2	51.7
82.5°	27.4	27.4	28.9	28.9	28.9	30.4	30.4	31.9	33.5	35.0	36.5
85°	15.2	15.2	15.2	16.7	16.7	18.2	18.2	19.8	21.3	22.8	24.3
87.5°	4.6	6.1	7.6	7.6	9.1	9.1	10.6	10.6	13.7	15.2	16.7
90°	1.5	1.5	3.0	3.0	3.0	4.6	4.6	6.1	6.1	7.6	9.1
92.5°	25.8	60.8	126.2	188.5	162.7	152.1	91.2	27.4	24.3	25.8	25.8
95°	53.2	100.4	184.0	298.0	386.2	441.0	477.4	547.4	618.9	606.7	453.1
97.5°	77.5	129.2	222.0	326.9	448.6	510.9	558.0	641.7	732.9	808.9	863.7
100°	101.9	155.1	253.9	363.4	475.9	532.2	586.9	701.0	790.7	866.7	939.7
102.5°	127.7	180.9	282.8	396.9	507.9	562.6	615.8	716.2	816.5	907.8	979.2
105°	153.6	208.3	308.7	425.7	536.7	591.5	643.2	739.0	831.7	916.9	999.0
107.5°	180.9	232.6	331.5	448.6	559.6	614.3	666.0	761.8	851.5	936.6	1011.2
110°	205.3	255.4	354.3	469.8	580.8	635.6	687.3	783.1	871.3	951.9	1024.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	228.1	276.7	375.6	488.1	597.6	652.3	702.5	798.3	886.5	965.5	1038.5
115°	253.9	296.5	396.9	504.8	612.8	666.0	716.2	810.4	898.6	976.2	1047.6
117.5°	275.2	316.3	415.1	518.5	624.9	676.6	725.3	819.6	906.2	983.8	1053.7
120°	296.5	334.5	431.8	530.7	634.1	684.2	732.9	825.6	912.3	988.3	1056.8
122.5°	317.8	352.8	445.5	542.8	641.7	691.8	739.0	830.2	915.4	989.9	1056.8
125°	337.6	368.0	457.7	552.0	646.2	694.9	740.5	830.2	913.8	986.8	1053.7
127.5°	355.8	384.7	466.8	561.1	649.3	696.4	740.5	827.2	910.8	982.3	1047.6
130°	374.0	399.9	475.9	565.6	652.3	694.9	737.5	821.1	903.2	974.7	1037.0
132.5°	392.3	416.6	483.5	570.2	653.8	694.9	734.4	815.0	894.1	964.0	1023.3
135°	409.0	428.8	491.1	573.2	652.3	691.8	728.3	804.4	880.4	948.8	1006.6
137.5°	424.2	441.0	497.2	574.8	650.8	687.3	723.8	792.2	863.7	930.6	986.8
140°	437.9	453.1	500.3	574.8	644.7	681.2	714.6	780.0	845.4	909.3	964.0
142.5°	450.1	463.8	504.8	571.7	638.6	673.6	705.5	767.9	827.2	888.0	941.2
145°	462.2	472.9	507.9	570.2	631.0	663.0	693.4	752.7	810.4	865.2	915.4
147.5°	471.4	482.0	510.9	564.1	621.9	650.8	679.7	735.9	789.2	840.9	886.5
150°	480.5	489.6	512.4	558.0	611.3	637.1	663.0	716.2	767.9	815.0	857.6
152.5°	489.6	495.7	517.0	552.0	599.1	623.4	649.3	696.4	743.5	787.6	828.7
155°	495.7	500.3	518.5	545.9	586.9	608.2	629.5	673.6	716.2	757.2	795.2
157.5°	501.8	506.3	520.0	541.3	573.2	593.0	611.3	649.3	688.8	725.3	760.3
160°	506.3	509.4	520.0	538.3	561.1	574.8	591.5	626.5	659.9	691.8	722.3
162.5°	510.9	512.4	520.0	533.7	550.4	559.6	571.7	599.1	629.5	656.9	684.2
165°	513.9	515.5	520.0	530.7	541.3	548.9	555.0	574.8	597.6	621.9	644.7
167.5°	517.0	517.0	520.0	527.6	533.7	538.3	542.8	553.5	568.7	586.9	603.6
170°	518.5	518.5	520.0	524.6	529.1	530.7	533.7	539.8	547.4	556.5	567.2
172.5°	518.5	518.5	518.5	521.5	523.1	523.1	523.1	526.1	530.7	536.7	541.3
175°	518.5	517.0	517.0	518.5	517.0	517.0	517.0	517.0	518.5	521.5	523.1
177.5°	518.5	517.0	515.5	515.5	513.9	513.9	512.4	512.4	512.4	512.4	512.4
180°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0
2.5°	337.6	337.6	336.0	334.5	334.5	334.5	333.0	331.5	330.0	330.0
5°	337.6	337.6	336.0	336.0	336.0	336.0	334.5	334.5	333.0	333.0
7.5°	339.1	337.6	337.6	337.6	337.6	337.6	337.6	337.6	336.0	336.0
10°	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1
12.5°	340.6	340.6	340.6	340.6	342.1	342.1	342.1	342.1	342.1	342.1
15°	340.6	342.1	343.6	343.6	343.6	345.2	345.2	345.2	345.2	345.2
17.5°	342.1	343.6	345.2	345.2	346.7	346.7	348.2	348.2	348.2	348.2
20°	342.1	343.6	345.2	346.7	348.2	348.2	349.7	351.2	351.2	349.7
22.5°	340.6	343.6	345.2	346.7	348.2	349.7	351.2	352.8	352.8	352.8
25°	339.1	342.1	345.2	348.2	348.2	349.7	352.8	352.8	352.8	352.8
27.5°	337.6	340.6	343.6	346.7	348.2	349.7	351.2	352.8	352.8	352.8
30°	334.5	339.1	342.1	345.2	346.7	348.2	349.7	351.2	351.2	351.2
32.5°	330.0	334.5	337.6	342.1	343.6	345.2	346.7	348.2	348.2	348.2
35°	325.4	330.0	333.0	337.6	339.1	340.6	343.6	343.6	345.2	345.2
37.5°	317.8	323.9	326.9	331.5	333.0	334.5	337.6	339.1	339.1	339.1
40°	310.2	316.3	319.3	323.9	325.4	326.9	330.0	331.5	333.0	333.0
42.5°	301.1	307.1	310.2	314.7	316.3	317.8	320.8	322.4	323.9	323.9
45°	291.9	296.5	299.5	304.1	307.1	307.1	310.2	311.7	313.2	313.2
47.5°	279.8	284.3	287.4	291.9	295.0	296.5	298.0	299.5	301.1	301.1
50°	266.1	270.7	275.2	278.3	281.3	281.3	284.3	285.9	287.4	287.4
52.5°	252.4	255.4	260.0	264.6	266.1	267.6	269.1	270.7	272.2	272.2
55°	237.2	240.2	244.8	247.8	249.4	250.9	252.4	253.9	255.4	255.4
57.5°	220.5	223.5	228.1	231.1	232.6	234.2	235.7	237.2	238.7	238.7
60°	202.2	205.3	209.8	212.9	214.4	214.4	217.4	219.0	219.0	219.0
62.5°	184.0	187.0	190.1	193.1	194.6	196.1	197.7	199.2	199.2	199.2
65°	165.7	168.8	171.8	173.3	174.9	174.9	176.4	177.9	179.4	179.4
67.5°	146.0	149.0	152.1	153.6	155.1	155.1	156.6	158.1	158.1	158.1
70°	126.2	127.7	130.8	132.3	133.8	133.8	136.8	136.8	136.8	136.8
72.5°	106.4	108.0	111.0	112.5	114.0	114.0	115.6	117.1	117.1	117.1
75°	88.2	89.7	91.2	94.3	94.3	94.3	95.8	97.3	97.3	97.3
77.5°	69.9	71.5	73.0	74.5	76.0	76.0	77.5	79.1	79.1	79.1
80°	53.2	54.7	56.3	57.8	57.8	59.3	59.3	60.8	60.8	60.8
82.5°	38.0	39.5	41.1	42.6	44.1	44.1	45.6	47.1	47.1	45.6
85°	25.8	28.9	30.4	31.9	31.9	31.9	33.5	35.0	35.0	33.5
87.5°	18.2	18.2	19.8	21.3	21.3	22.8	22.8	24.3	24.3	24.3
90°	10.6	10.6	12.2	12.2	13.7	13.7	13.7	15.2	15.2	15.2
92.5°	25.8	25.8	27.4	27.4	27.4	27.4	28.9	28.9	28.9	28.9
95°	276.7	124.7	104.9	63.9	60.8	53.2	51.7	53.2	53.2	51.7
97.5°	929.0	994.4	1035.5	1055.2	1030.9	1005.1	976.2	971.6	932.1	843.9
100°	1002.0	1053.7	1103.9	1138.9	1152.6	1164.7	1192.1	1208.8	1216.4	1224.0
102.5°	1038.5	1093.3	1137.4	1181.5	1199.7	1216.4	1240.8	1260.5	1268.1	1274.2
105°	1070.5	1126.7	1175.4	1214.9	1231.6	1246.8	1271.2	1289.4	1303.1	1304.6
107.5°	1078.1	1137.4	1192.1	1240.8	1260.5	1277.2	1306.1	1319.8	1332.0	1332.0
110°	1091.7	1148.0	1198.2	1242.3	1262.0	1281.8	1312.2	1333.5	1345.7	1348.7



TEST NUMBER: P395754

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1102.4	1160.2	1207.3	1251.4	1268.1	1286.4	1315.3	1335.0	1345.7	1350.2
115°	1111.5	1167.8	1214.9	1256.0	1274.2	1292.4	1321.3	1338.1	1350.2	1354.8
117.5°	1117.6	1172.3	1219.5	1257.5	1277.2	1292.4	1319.8	1338.1	1350.2	1351.7
120°	1119.1	1173.8	1219.5	1257.5	1274.2	1290.9	1318.3	1336.5	1348.7	1348.7
122.5°	1119.1	1172.3	1217.9	1254.4	1269.6	1284.8	1310.7	1332.0	1342.6	1342.6
125°	1113.0	1166.2	1210.3	1246.8	1262.0	1275.7	1303.1	1322.9	1333.5	1335.0
127.5°	1103.9	1155.6	1199.7	1236.2	1251.4	1263.6	1292.4	1310.7	1321.3	1322.9
130°	1091.7	1143.4	1186.0	1221.0	1236.2	1249.9	1274.2	1294.0	1306.1	1309.2
132.5°	1078.1	1126.7	1169.3	1202.7	1217.9	1230.1	1254.4	1274.2	1284.8	1289.4
135°	1061.3	1106.9	1148.0	1181.5	1196.7	1208.8	1231.6	1251.4	1262.0	1266.6
137.5°	1040.0	1084.1	1123.7	1157.1	1170.8	1183.0	1205.8	1224.0	1233.1	1239.2
140°	1015.7	1056.8	1097.8	1128.2	1141.9	1154.1	1173.8	1193.6	1202.7	1207.3
142.5°	989.9	1030.9	1067.4	1097.8	1110.0	1122.1	1141.9	1160.2	1169.3	1170.8
145°	962.5	1002.0	1035.5	1064.4	1075.0	1087.2	1105.4	1123.7	1132.8	1134.3
147.5°	932.1	968.6	1000.5	1027.9	1040.0	1049.2	1065.9	1082.6	1091.7	1093.3
150°	897.1	930.6	959.5	986.8	997.5	1006.6	1024.8	1040.0	1049.2	1050.7
152.5°	863.7	895.6	919.9	944.2	954.9	964.0	979.2	994.4	1003.5	1005.1
155°	828.7	857.6	881.9	901.7	910.8	919.9	932.1	945.8	953.4	954.9
157.5°	792.2	819.6	840.9	859.1	868.2	875.8	886.5	898.6	903.2	906.2
160°	752.7	775.5	793.7	812.0	819.6	827.2	837.8	846.9	853.0	854.5
162.5°	710.1	729.9	745.1	761.8	766.3	772.4	783.1	792.2	796.8	798.3
165°	666.0	684.2	697.9	711.6	714.6	719.2	726.8	735.9	739.0	742.0
167.5°	621.9	637.1	646.2	658.4	663.0	666.0	673.6	679.7	682.7	684.2
170°	579.3	590.0	597.6	606.7	608.2	612.8	617.3	623.4	624.9	624.9
172.5°	545.9	550.4	555.0	558.0	559.6	561.1	564.1	565.6	565.6	565.6
175°	524.6	527.6	527.6	529.1	529.1	529.1	529.1	529.1	529.1	529.1
177.5°	512.4	512.4	512.4	510.9	510.9	510.9	510.9	509.4	509.4	509.4
180°	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4	509.4

(END OF REPORT)