

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: P395756

Luminaire Tested: **I3-UL-60L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395756
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 (5700K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6333.7 lumens
Efficiency: N/A
Efficacy: 139.8 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

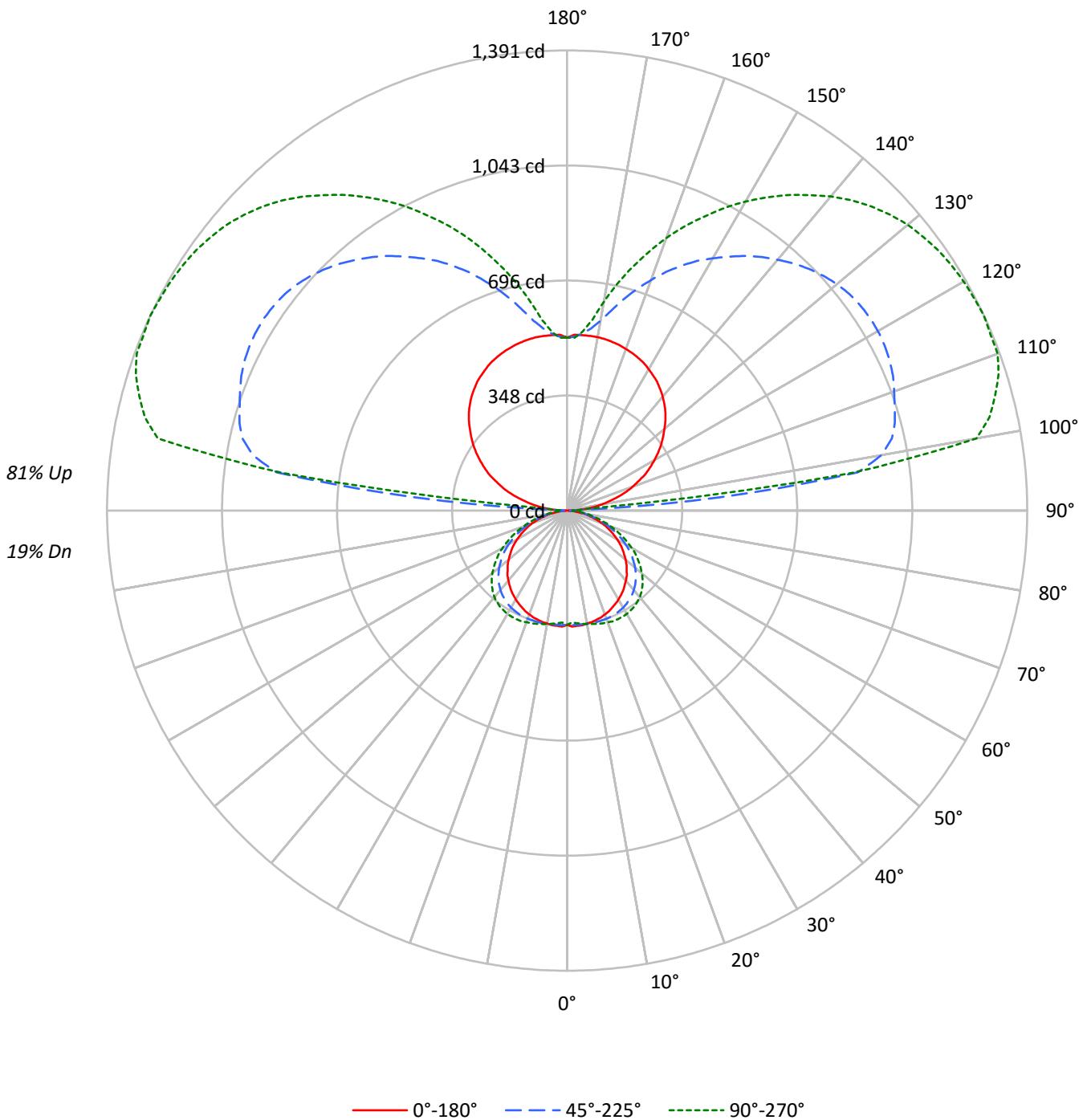
Input Watts (W): 45.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1896	1896	1896
5°	1922	1868	1832
10°	1920	1856	1835
15°	1923	1849	1851
20°	1924	1857	1873
25°	1921	1862	1901
30°	1924	1864	1919
35°	1922	1854	1927
40°	1914	1840	1916
45°	1897	1802	1875
50°	1880	1744	1805
55°	1847	1659	1702
60°	1790	1539	1567
65°	1711	1371	1397
70°	1617	1189	1179
75°	1402	932	945
80°	1114	670	683
85°	662	390	450



TEST NUMBER: P395756

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	0.5
10°-20°	98.4	1.6
20°-30°	158.3	2.5
30°-40°	203.8	3.2
40°-50°	223.8	3.5
50°-60°	210.4	3.3
60°-70°	163.4	2.6
70°-80°	93.7	1.5
80°-90°	30.1	0.5
90°-100°	404.9	6.4
100°-110°	962.1	15.2
110°-120°	966.5	15.3
120°-130°	886.4	14.0
130°-140°	741.2	11.7
140°-150°	556.3	8.8
150°-160°	362.1	5.7
160°-170°	186.5	2.9
170°-180°	52.8	0.8
0°-30°	289.8	4.6
0°-40°	493.5	7.8
0°-60°	927.7	14.6
0°-90°	1214.9	19.2
90°-120°	2333.6	36.8
90°-150°	4517.4	71.3
90°-180°	5119.0	80.8
0°-180°	6333.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	345	345	345	345	345	
5°	350	346	346	345	342	33
15°	342	340	348	353	354	97
25°	323	326	345	358	362	149
35°	295	303	328	348	354	184
45°	254	267	294	315	322	197
55°	204	215	239	256	262	182
65°	144	151	166	180	184	142
75°	76	80	87	97	100	82
85°	16	19	25	33	34	18
90°	2	5	9	14	16	5
95°	55	453	465	62	53	54
105°	158	607	1026	1264	1339	167
115°	261	684	1076	1308	1391	256
125°	346	713	1082	1296	1370	309
135°	420	710	1033	1228	1300	324
145°	474	681	940	1104	1164	297
155°	509	624	816	935	980	235
165°	528	564	662	734	762	149
175°	532	531	537	543	543	51
180°	523	523	523	523	523	



TEST NUMBER: P395756

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0
2.5°	351.2	349.6	348.1	348.1	346.5	346.5	346.5	345.0	345.0	345.0	346.5
5°	349.6	349.6	348.1	346.5	346.5	346.5	345.0	345.0	345.0	345.0	346.5
7.5°	349.6	348.1	346.5	346.5	345.0	345.0	345.0	345.0	345.0	345.0	346.5
10°	346.5	346.5	345.0	345.0	343.4	345.0	345.0	345.0	345.0	345.0	348.1
12.5°	345.0	345.0	343.4	341.8	341.8	341.8	343.4	343.4	343.4	345.0	348.1
15°	341.8	341.8	340.3	340.3	340.3	340.3	341.8	341.8	343.4	345.0	348.1
17.5°	338.7	338.7	337.2	337.2	337.2	338.7	338.7	340.3	341.8	345.0	348.1
20°	334.0	334.0	334.0	334.0	334.0	335.6	335.6	337.2	340.3	343.4	348.1
22.5°	329.4	329.4	329.4	329.4	329.4	330.9	332.5	335.6	337.2	341.8	346.5
25°	323.1	323.1	323.1	323.1	324.7	326.2	327.8	330.9	334.0	338.7	345.0
27.5°	316.9	318.4	318.4	318.4	320.0	321.6	323.1	326.2	330.9	337.2	341.8
30°	310.6	310.6	310.6	312.2	313.7	315.3	318.4	321.6	326.2	332.5	338.7
32.5°	302.8	302.8	304.4	304.4	307.5	309.1	312.2	316.9	321.6	327.8	334.0
35°	295.0	295.0	295.0	298.1	299.7	302.8	304.4	309.1	315.3	321.6	327.8
37.5°	285.7	287.2	287.2	288.8	291.9	295.0	296.6	302.8	309.1	315.3	321.6
40°	276.3	277.8	277.8	279.4	284.1	285.7	288.8	295.0	299.7	307.5	313.7
42.5°	266.9	266.9	268.5	270.0	274.7	276.3	279.4	285.7	291.9	298.1	304.4
45°	254.4	256.0	257.6	259.1	263.8	266.9	270.0	274.7	281.0	287.2	293.5
47.5°	243.5	243.5	245.1	248.2	252.9	256.0	257.6	263.8	268.5	274.7	281.0
50°	231.0	232.6	232.6	235.7	240.4	243.5	245.1	251.3	256.0	262.2	268.5
52.5°	217.0	218.5	220.1	223.2	227.9	231.0	232.6	237.3	241.9	248.2	252.9
55°	204.5	206.0	206.0	209.2	213.8	215.4	218.5	221.7	227.9	232.6	238.8
57.5°	190.4	192.0	192.0	195.1	198.2	201.4	202.9	207.6	212.3	217.0	221.7
60°	174.8	176.4	177.9	179.5	182.6	185.8	187.3	190.4	195.1	199.8	204.5
62.5°	159.2	160.8	162.3	163.9	167.0	168.6	170.1	174.8	177.9	182.6	185.8
65°	143.6	145.2	146.7	148.3	149.8	151.4	153.0	156.1	159.2	163.9	165.5
67.5°	128.0	129.6	129.6	131.1	132.7	134.2	135.8	138.9	140.5	145.2	146.7
70°	112.4	112.4	112.4	113.9	113.9	115.5	117.1	120.2	121.8	124.9	128.0
72.5°	93.7	95.2	95.2	95.2	96.8	98.3	99.9	101.5	103.0	104.6	107.7
75°	76.5	78.0	76.5	78.0	79.6	79.6	81.2	82.7	84.3	85.9	87.4
77.5°	60.9	59.3	60.9	60.9	62.4	62.4	62.4	64.0	67.1	67.1	70.2
80°	43.7	43.7	43.7	43.7	45.3	45.3	46.8	46.8	49.9	51.5	53.1
82.5°	28.1	28.1	29.7	29.7	29.7	31.2	31.2	32.8	34.3	35.9	37.5
85°	15.6	15.6	15.6	17.2	17.2	18.7	18.7	20.3	21.9	23.4	25.0
87.5°	4.7	6.2	7.8	7.8	9.4	9.4	10.9	10.9	14.0	15.6	17.2
90°	1.6	1.6	3.1	3.1	3.1	4.7	4.7	6.2	6.2	7.8	9.4
92.5°	26.5	62.4	129.6	193.6	167.0	156.1	93.7	28.1	25.0	26.5	26.5
95°	54.6	103.0	188.9	305.9	396.5	452.7	490.1	561.9	635.3	622.8	465.2
97.5°	79.6	132.7	227.9	335.6	460.5	524.5	572.9	658.7	752.4	830.4	886.6
100°	104.6	159.2	260.7	373.1	488.6	546.3	602.5	719.6	811.7	889.7	964.7
102.5°	131.1	185.8	290.3	407.4	521.4	577.5	632.2	735.2	838.2	931.9	1005.2
105°	157.7	213.8	316.9	437.1	551.0	607.2	660.3	758.6	853.8	941.2	1025.5
107.5°	185.8	238.8	340.3	460.5	574.4	630.6	683.7	782.0	874.1	961.5	1038.0
110°	210.7	262.2	363.7	482.3	596.3	652.5	705.5	803.9	894.4	977.1	1052.1



TEST NUMBER: P395756

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	234.1	284.1	385.6	501.1	613.4	669.6	721.2	819.5	910.0	991.2	1066.1
115°	260.7	304.4	407.4	518.2	629.1	683.7	735.2	832.0	922.5	1002.1	1075.5
117.5°	282.5	324.7	426.1	532.3	641.5	694.6	744.6	841.3	930.3	1009.9	1081.7
120°	304.4	343.4	443.3	544.8	650.9	702.4	752.4	847.6	936.6	1014.6	1084.9
122.5°	326.2	362.1	457.4	557.3	658.7	710.2	758.6	852.3	939.7	1016.2	1084.9
125°	346.5	377.7	469.8	566.6	663.4	713.3	760.2	852.3	938.1	1013.0	1081.7
127.5°	365.3	394.9	479.2	576.0	666.5	714.9	760.2	849.1	935.0	1008.4	1075.5
130°	384.0	410.5	488.6	580.7	669.6	713.3	757.1	842.9	927.2	1000.6	1064.6
132.5°	402.7	427.7	496.4	585.4	671.2	713.3	753.9	836.7	917.8	989.6	1050.5
135°	419.9	440.2	504.2	588.5	669.6	710.2	747.7	825.7	903.8	974.0	1033.3
137.5°	435.5	452.7	510.4	590.0	668.1	705.5	743.0	813.2	886.6	955.3	1013.0
140°	449.5	465.2	513.5	590.0	661.8	699.3	733.6	800.8	867.9	933.4	989.6
142.5°	462.0	476.1	518.2	586.9	655.6	691.5	724.3	788.3	849.1	911.6	966.2
145°	474.5	485.5	521.4	585.4	647.8	680.6	711.8	772.7	832.0	888.2	939.7
147.5°	483.9	494.8	524.5	579.1	638.4	668.1	697.7	755.5	810.1	863.2	910.0
150°	493.3	502.6	526.0	572.9	627.5	654.0	680.6	735.2	788.3	836.7	880.4
152.5°	502.6	508.9	530.7	566.6	615.0	640.0	666.5	714.9	763.3	808.6	850.7
155°	508.9	513.5	532.3	560.4	602.5	624.4	646.2	691.5	735.2	777.3	816.4
157.5°	515.1	519.8	533.8	555.7	588.5	608.8	627.5	666.5	707.1	744.6	780.5
160°	519.8	522.9	533.8	552.6	576.0	590.0	607.2	643.1	677.4	710.2	741.4
162.5°	524.5	526.0	533.8	547.9	565.1	574.4	586.9	615.0	646.2	674.3	702.4
165°	527.6	529.2	533.8	544.8	555.7	563.5	569.7	590.0	613.4	638.4	661.8
167.5°	530.7	530.7	533.8	541.6	547.9	552.6	557.3	568.2	583.8	602.5	619.7
170°	532.3	532.3	533.8	538.5	543.2	544.8	547.9	554.1	561.9	571.3	582.2
172.5°	532.3	532.3	532.3	535.4	537.0	537.0	537.0	540.1	544.8	551.0	555.7
175°	532.3	530.7	530.7	532.3	530.7	530.7	530.7	530.7	532.3	535.4	537.0
177.5°	532.3	530.7	529.2	529.2	527.6	527.6	526.0	526.0	526.0	526.0	526.0
180°	522.9	522.9	522.9	522.9	522.9	522.9	522.9	522.9	522.9	522.9	522.9



TEST NUMBER: P395756

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0	345.0
2.5°	346.5	346.5	345.0	343.4	343.4	343.4	341.8	340.3	338.7	338.7
5°	346.5	346.5	345.0	345.0	345.0	345.0	343.4	343.4	341.8	341.8
7.5°	348.1	346.5	346.5	346.5	346.5	346.5	346.5	346.5	345.0	345.0
10°	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1
12.5°	349.6	349.6	349.6	349.6	351.2	351.2	351.2	351.2	351.2	351.2
15°	349.6	351.2	352.8	352.8	352.8	354.3	354.3	354.3	354.3	354.3
17.5°	351.2	352.8	354.3	354.3	355.9	355.9	357.5	357.5	357.5	357.5
20°	351.2	352.8	354.3	355.9	357.5	357.5	359.0	360.6	360.6	359.0
22.5°	349.6	352.8	354.3	355.9	357.5	359.0	360.6	362.1	362.1	362.1
25°	348.1	351.2	354.3	357.5	357.5	359.0	362.1	362.1	362.1	362.1
27.5°	346.5	349.6	352.8	355.9	357.5	359.0	360.6	362.1	362.1	362.1
30°	343.4	348.1	351.2	354.3	355.9	357.5	359.0	360.6	360.6	360.6
32.5°	338.7	343.4	346.5	351.2	352.8	354.3	355.9	357.5	357.5	357.5
35°	334.0	338.7	341.8	346.5	348.1	349.6	352.8	352.8	354.3	354.3
37.5°	326.2	332.5	335.6	340.3	341.8	343.4	346.5	348.1	348.1	348.1
40°	318.4	324.7	327.8	332.5	334.0	335.6	338.7	340.3	341.8	341.8
42.5°	309.1	315.3	318.4	323.1	324.7	326.2	329.4	330.9	332.5	332.5
45°	299.7	304.4	307.5	312.2	315.3	315.3	318.4	320.0	321.6	321.6
47.5°	287.2	291.9	295.0	299.7	302.8	304.4	305.9	307.5	309.1	309.1
50°	273.2	277.8	282.5	285.7	288.8	288.8	291.9	293.5	295.0	295.0
52.5°	259.1	262.2	266.9	271.6	273.2	274.7	276.3	277.8	279.4	279.4
55°	243.5	246.6	251.3	254.4	256.0	257.6	259.1	260.7	262.2	262.2
57.5°	226.3	229.5	234.1	237.3	238.8	240.4	241.9	243.5	245.1	245.1
60°	207.6	210.7	215.4	218.5	220.1	220.1	223.2	224.8	224.8	224.8
62.5°	188.9	192.0	195.1	198.2	199.8	201.4	202.9	204.5	204.5	204.5
65°	170.1	173.3	176.4	177.9	179.5	179.5	181.1	182.6	184.2	184.2
67.5°	149.8	153.0	156.1	157.7	159.2	159.2	160.8	162.3	162.3	162.3
70°	129.6	131.1	134.2	135.8	137.4	137.4	140.5	140.5	140.5	140.5
72.5°	109.3	110.8	113.9	115.5	117.1	117.1	118.6	120.2	120.2	120.2
75°	90.5	92.1	93.7	96.8	96.8	96.8	98.3	99.9	99.9	99.9
77.5°	71.8	73.4	74.9	76.5	78.0	78.0	79.6	81.2	81.2	81.2
80°	54.6	56.2	57.8	59.3	59.3	60.9	60.9	62.4	62.4	62.4
82.5°	39.0	40.6	42.1	43.7	45.3	45.3	46.8	48.4	48.4	46.8
85°	26.5	29.7	31.2	32.8	32.8	32.8	34.3	35.9	35.9	34.3
87.5°	18.7	18.7	20.3	21.9	21.9	23.4	23.4	25.0	25.0	25.0
90°	10.9	10.9	12.5	12.5	14.0	14.0	14.0	15.6	15.6	15.6
92.5°	26.5	26.5	28.1	28.1	28.1	28.1	29.7	29.7	29.7	29.7
95°	284.1	128.0	107.7	65.6	62.4	54.6	53.1	54.6	54.6	53.1
97.5°	953.7	1020.9	1063.0	1083.3	1058.3	1031.8	1002.1	997.4	956.9	866.3
100°	1028.7	1081.7	1133.2	1169.1	1183.2	1195.7	1223.8	1240.9	1248.7	1256.6
102.5°	1066.1	1122.3	1167.6	1212.8	1231.6	1248.7	1273.7	1294.0	1301.8	1308.1
105°	1098.9	1156.7	1206.6	1247.2	1264.4	1280.0	1304.9	1323.7	1337.7	1339.3
107.5°	1106.7	1167.6	1223.8	1273.7	1294.0	1311.2	1340.8	1354.9	1367.4	1367.4
110°	1120.8	1178.5	1230.0	1275.3	1295.6	1315.9	1347.1	1368.9	1381.4	1384.6



TEST NUMBER: P395756

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1131.7	1191.0	1239.4	1284.7	1301.8	1320.6	1350.2	1370.5	1381.4	1386.1
115°	1141.0	1198.8	1247.2	1289.3	1308.1	1326.8	1356.5	1373.6	1386.1	1390.8
117.5°	1147.3	1203.5	1251.9	1290.9	1311.2	1326.8	1354.9	1373.6	1386.1	1387.7
120°	1148.8	1205.0	1251.9	1290.9	1308.1	1325.2	1353.3	1372.1	1384.6	1384.6
122.5°	1148.8	1203.5	1250.3	1287.8	1303.4	1319.0	1345.5	1367.4	1378.3	1378.3
125°	1142.6	1197.2	1242.5	1280.0	1295.6	1309.6	1337.7	1358.0	1368.9	1370.5
127.5°	1133.2	1186.3	1231.6	1269.0	1284.7	1297.1	1326.8	1345.5	1356.5	1358.0
130°	1120.8	1173.8	1217.5	1253.4	1269.0	1283.1	1308.1	1328.4	1340.8	1344.0
132.5°	1106.7	1156.7	1200.4	1234.7	1250.3	1262.8	1287.8	1308.1	1319.0	1323.7
135°	1089.5	1136.4	1178.5	1212.8	1228.5	1240.9	1264.4	1284.7	1295.6	1300.3
137.5°	1067.7	1112.9	1153.5	1187.9	1201.9	1214.4	1237.8	1256.6	1265.9	1272.2
140°	1042.7	1084.9	1127.0	1158.2	1172.3	1184.8	1205.0	1225.3	1234.7	1239.4
142.5°	1016.2	1058.3	1095.8	1127.0	1139.5	1152.0	1172.3	1191.0	1200.4	1201.9
145°	988.1	1028.7	1063.0	1092.7	1103.6	1116.1	1134.8	1153.5	1162.9	1164.5
147.5°	956.9	994.3	1027.1	1055.2	1067.7	1077.0	1094.2	1111.4	1120.8	1122.3
150°	921.0	955.3	985.0	1013.0	1024.0	1033.3	1052.1	1067.7	1077.0	1078.6
152.5°	886.6	919.4	944.4	969.3	980.3	989.6	1005.2	1020.9	1030.2	1031.8
155°	850.7	880.4	905.3	925.6	935.0	944.4	956.9	970.9	978.7	980.3
157.5°	813.2	841.3	863.2	881.9	891.3	899.1	910.0	922.5	927.2	930.3
160°	772.7	796.1	814.8	833.5	841.3	849.1	860.1	869.4	875.7	877.2
162.5°	729.0	749.2	764.9	782.0	786.7	793.0	803.9	813.2	817.9	819.5
165°	683.7	702.4	716.5	730.5	733.6	738.3	746.1	755.5	758.6	761.7
167.5°	638.4	654.0	663.4	675.9	680.6	683.7	691.5	697.7	700.9	702.4
170°	594.7	605.6	613.4	622.8	624.4	629.1	633.7	640.0	641.5	641.5
172.5°	560.4	565.1	569.7	572.9	574.4	576.0	579.1	580.7	580.7	580.7
175°	538.5	541.6	541.6	543.2	543.2	543.2	543.2	543.2	543.2	543.2
177.5°	526.0	526.0	526.0	524.5	524.5	524.5	524.5	522.9	522.9	522.9
180°	522.9	522.9	522.9	522.9	522.9	522.9	522.9	522.9	522.9	522.9

(END OF REPORT)