

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: P395755

Luminaire Tested: **I3-UL-60L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395755
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 (5000K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6254.8 lumens
Efficiency: N/A
Efficacy: 138.7 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

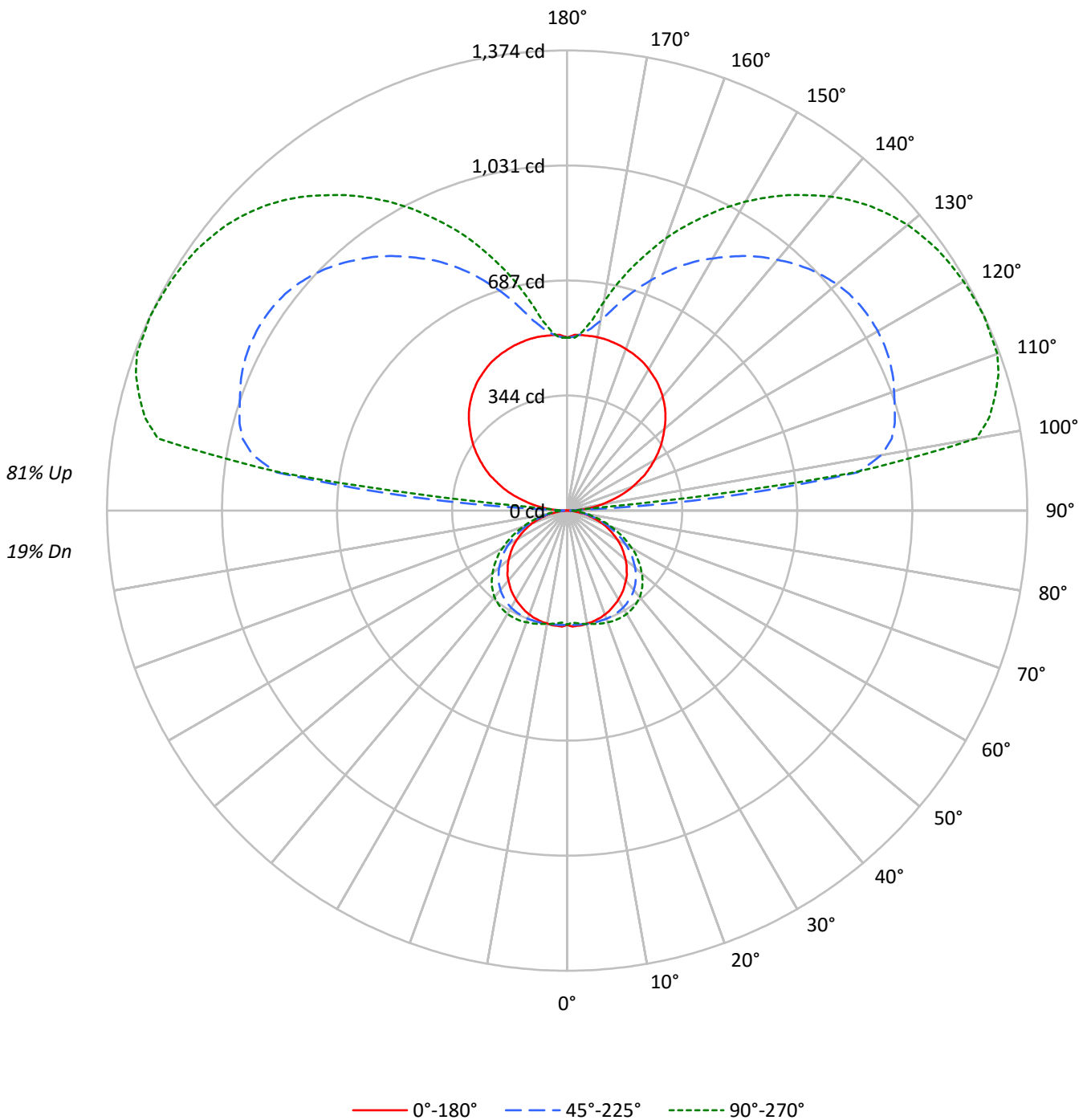
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1873	1873	1873
5°	1898	1845	1810
10°	1896	1833	1812
15°	1899	1826	1828
20°	1900	1834	1849
25°	1898	1838	1877
30°	1900	1841	1895
35°	1898	1831	1904
40°	1890	1818	1893
45°	1874	1780	1851
50°	1856	1722	1783
55°	1824	1638	1681
60°	1767	1520	1547
65°	1690	1354	1380
70°	1597	1174	1163
75°	1384	920	934
80°	1102	661	676
85°	653	386	444



TEST NUMBER: P395755

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	0.5
10°-20°	97.2	1.6
20°-30°	156.4	2.5
30°-40°	201.2	3.2
40°-50°	221.0	3.5
50°-60°	207.7	3.3
60°-70°	161.4	2.6
70°-80°	92.6	1.5
80°-90°	29.7	0.5
90°-100°	399.8	6.4
100°-110°	950.2	15.2
110°-120°	954.5	15.3
120°-130°	875.3	14.0
130°-140°	731.9	11.7
140°-150°	549.4	8.8
150°-160°	357.6	5.7
160°-170°	184.2	2.9
170°-180°	52.1	0.8
0°-30°	286.2	4.6
0°-40°	487.4	7.8
0°-60°	916.2	14.6
0°-90°	1199.8	19.2
90°-120°	2304.5	36.8
90°-150°	4461.1	71.3
90°-180°	5055.0	80.8
0°-180°	6254.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	341	341	341	341	341	
5°	345	342	342	341	338	33
15°	338	336	344	348	350	95
25°	319	322	341	353	358	147
35°	291	299	324	344	350	182
45°	251	264	290	311	318	194
55°	202	213	236	253	259	180
65°	142	150	163	177	182	140
75°	76	79	86	96	99	80
85°	15	18	25	32	34	18
90°	2	5	9	14	15	5
95°	54	447	459	62	52	54
105°	156	600	1013	1249	1323	165
115°	257	675	1062	1292	1374	253
125°	342	704	1068	1279	1353	305
135°	415	701	1020	1213	1284	320
145°	469	672	928	1090	1150	293
155°	502	617	806	923	968	232
165°	521	556	654	724	752	147
175°	526	524	530	536	536	50
180°	516	516	516	516	516	



TEST NUMBER: P395755

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7
2.5°	346.8	345.3	343.8	343.8	342.2	342.2	342.2	340.7	340.7	340.7	342.2
5°	345.3	345.3	343.8	342.2	342.2	342.2	340.7	340.7	340.7	340.7	342.2
7.5°	345.3	343.8	342.2	342.2	340.7	340.7	340.7	340.7	340.7	340.7	342.2
10°	342.2	342.2	340.7	340.7	339.1	340.7	340.7	340.7	340.7	340.7	343.8
12.5°	340.7	340.7	339.1	337.6	337.6	337.6	339.1	339.1	339.1	340.7	343.8
15°	337.6	337.6	336.0	336.0	336.0	336.0	337.6	337.6	339.1	340.7	343.8
17.5°	334.5	334.5	333.0	333.0	333.0	334.5	334.5	336.0	337.6	340.7	343.8
20°	329.9	329.9	329.9	329.9	329.9	331.4	331.4	333.0	336.0	339.1	343.8
22.5°	325.3	325.3	325.3	325.3	325.3	326.8	328.3	331.4	333.0	337.6	342.2
25°	319.1	319.1	319.1	319.1	320.6	322.2	323.7	326.8	329.9	334.5	340.7
27.5°	312.9	314.5	314.5	314.5	316.0	317.5	319.1	322.2	326.8	333.0	337.6
30°	306.8	306.8	306.8	308.3	309.8	311.4	314.5	317.5	322.2	328.3	334.5
32.5°	299.0	299.0	300.6	300.6	303.7	305.2	308.3	312.9	317.5	323.7	329.9
35°	291.3	291.3	291.3	294.4	296.0	299.0	300.6	305.2	311.4	317.5	323.7
37.5°	282.1	283.6	283.6	285.2	288.3	291.3	292.9	299.0	305.2	311.4	317.5
40°	272.8	274.4	274.4	275.9	280.5	282.1	285.2	291.3	296.0	303.7	309.8
42.5°	263.6	263.6	265.1	266.7	271.3	272.8	275.9	282.1	288.3	294.4	300.6
45°	251.3	252.8	254.3	255.9	260.5	263.6	266.7	271.3	277.5	283.6	289.8
47.5°	240.5	240.5	242.0	245.1	249.7	252.8	254.3	260.5	265.1	271.3	277.5
50°	228.1	229.7	229.7	232.8	237.4	240.5	242.0	248.2	252.8	259.0	265.1
52.5°	214.3	215.8	217.3	220.4	225.1	228.1	229.7	234.3	238.9	245.1	249.7
55°	201.9	203.5	203.5	206.6	211.2	212.7	215.8	218.9	225.1	229.7	235.8
57.5°	188.1	189.6	189.6	192.7	195.8	198.9	200.4	205.0	209.6	214.3	218.9
60°	172.6	174.2	175.7	177.3	180.4	183.4	185.0	188.1	192.7	197.3	201.9
62.5°	157.2	158.8	160.3	161.9	164.9	166.5	168.0	172.6	175.7	180.4	183.4
65°	141.8	143.4	144.9	146.4	148.0	149.5	151.1	154.1	157.2	161.9	163.4
67.5°	126.4	127.9	127.9	129.5	131.0	132.6	134.1	137.2	138.7	143.4	144.9
70°	111.0	111.0	111.0	112.5	112.5	114.1	115.6	118.7	120.2	123.3	126.4
72.5°	92.5	94.0	94.0	94.0	95.6	97.1	98.7	100.2	101.7	103.3	106.4
75°	75.5	77.1	75.5	77.1	78.6	78.6	80.2	81.7	83.2	84.8	86.3
77.5°	60.1	58.6	60.1	60.1	61.7	61.7	61.7	63.2	66.3	66.3	69.4
80°	43.2	43.2	43.2	43.2	44.7	44.7	46.2	46.2	49.3	50.9	52.4
82.5°	27.7	27.7	29.3	29.3	29.3	30.8	30.8	32.4	33.9	35.5	37.0
85°	15.4	15.4	15.4	17.0	17.0	18.5	18.5	20.0	21.6	23.1	24.7
87.5°	4.6	6.2	7.7	7.7	9.2	9.2	10.8	10.8	13.9	15.4	17.0
90°	1.5	1.5	3.1	3.1	3.1	4.6	4.6	6.2	6.2	7.7	9.2
92.5°	26.2	61.7	127.9	191.1	164.9	154.1	92.5	27.7	24.7	26.2	26.2
95°	54.0	101.7	186.5	302.1	391.5	447.0	484.0	554.9	627.4	615.1	459.4
97.5°	78.6	131.0	225.1	331.4	454.7	517.9	565.7	650.5	743.0	820.1	875.6
100°	103.3	157.2	257.4	368.4	482.5	539.5	595.0	710.6	801.6	878.6	952.6
102.5°	129.5	183.4	286.7	402.3	514.9	570.3	624.3	726.0	827.8	920.3	992.7
105°	155.7	211.2	312.9	431.6	544.1	599.6	652.0	749.2	843.2	929.5	1012.8
107.5°	183.4	235.8	336.0	454.7	567.3	622.8	675.2	772.3	863.2	949.6	1025.1
110°	208.1	259.0	359.2	476.3	588.8	644.3	696.7	793.9	883.3	965.0	1039.0



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CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	231.2	280.5	380.7	494.8	605.8	661.3	712.2	809.3	898.7	978.8	1052.8
115°	257.4	300.6	402.3	511.8	621.2	675.2	726.0	821.6	911.0	989.6	1062.1
117.5°	279.0	320.6	420.8	525.6	633.5	686.0	735.3	830.9	918.7	997.3	1068.2
120°	300.6	339.1	437.8	538.0	642.8	693.7	743.0	837.0	924.9	1002.0	1071.3
122.5°	322.2	357.6	451.7	550.3	650.5	701.4	749.2	841.6	928.0	1003.5	1071.3
125°	342.2	373.0	464.0	559.6	655.1	704.5	750.7	841.6	926.4	1000.4	1068.2
127.5°	360.7	390.0	473.2	568.8	658.2	706.0	750.7	838.6	923.3	995.8	1062.1
130°	379.2	405.4	482.5	573.4	661.3	704.5	747.6	832.4	915.6	988.1	1051.3
132.5°	397.7	422.4	490.2	578.1	662.8	704.5	744.5	826.2	906.4	977.3	1037.4
135°	414.7	434.7	497.9	581.1	661.3	701.4	738.4	815.4	892.5	961.9	1020.5
137.5°	430.1	447.0	504.1	582.7	659.8	696.7	733.7	803.1	875.6	943.4	1000.4
140°	443.9	459.4	507.1	582.7	653.6	690.6	724.5	790.8	857.1	921.8	977.3
142.5°	456.3	470.2	511.8	579.6	647.4	682.9	715.2	778.4	838.6	900.2	954.2
145°	468.6	479.4	514.9	578.1	639.7	672.1	702.9	763.0	821.6	877.1	928.0
147.5°	477.9	488.6	517.9	571.9	630.5	659.8	689.0	746.1	800.0	852.4	898.7
150°	487.1	496.4	519.5	565.7	619.7	645.9	672.1	726.0	778.4	826.2	869.4
152.5°	496.4	502.5	524.1	559.6	607.3	632.0	658.2	706.0	753.8	798.5	840.1
155°	502.5	507.1	525.6	553.4	595.0	616.6	638.2	682.9	726.0	767.7	806.2
157.5°	508.7	513.3	527.2	548.8	581.1	601.2	619.7	658.2	698.3	735.3	770.7
160°	513.3	516.4	527.2	545.7	568.8	582.7	599.6	635.1	669.0	701.4	732.2
162.5°	517.9	519.5	527.2	541.1	558.0	567.3	579.6	607.3	638.2	665.9	693.7
165°	521.0	522.6	527.2	538.0	548.8	556.5	562.6	582.7	605.8	630.5	653.6
167.5°	524.1	524.1	527.2	534.9	541.1	545.7	550.3	561.1	576.5	595.0	612.0
170°	525.6	525.6	527.2	531.8	536.4	538.0	541.1	547.2	554.9	564.2	575.0
172.5°	525.6	525.6	525.6	528.7	530.3	530.3	530.3	533.4	538.0	544.1	548.8
175°	525.6	524.1	524.1	525.6	524.1	524.1	524.1	524.1	525.6	528.7	530.3
177.5°	525.6	524.1	522.6	522.6	521.0	521.0	519.5	519.5	519.5	519.5	519.5
180°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4



TEST NUMBER: P395755

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7	340.7
2.5°	342.2	342.2	340.7	339.1	339.1	339.1	337.6	336.0	334.5	334.5
5°	342.2	342.2	340.7	340.7	340.7	340.7	339.1	339.1	337.6	337.6
7.5°	343.8	342.2	342.2	342.2	342.2	342.2	342.2	342.2	340.7	340.7
10°	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8
12.5°	345.3	345.3	345.3	345.3	346.8	346.8	346.8	346.8	346.8	346.8
15°	345.3	346.8	348.4	348.4	348.4	349.9	349.9	349.9	349.9	349.9
17.5°	346.8	348.4	349.9	349.9	351.5	351.5	353.0	353.0	353.0	353.0
20°	346.8	348.4	349.9	351.5	353.0	353.0	354.5	356.1	356.1	354.5
22.5°	345.3	348.4	349.9	351.5	353.0	354.5	356.1	357.6	357.6	357.6
25°	343.8	346.8	349.9	353.0	353.0	354.5	357.6	357.6	357.6	357.6
27.5°	342.2	345.3	348.4	351.5	353.0	354.5	356.1	357.6	357.6	357.6
30°	339.1	343.8	346.8	349.9	351.5	353.0	354.5	356.1	356.1	356.1
32.5°	334.5	339.1	342.2	346.8	348.4	349.9	351.5	353.0	353.0	353.0
35°	329.9	334.5	337.6	342.2	343.8	345.3	348.4	348.4	349.9	349.9
37.5°	322.2	328.3	331.4	336.0	337.6	339.1	342.2	343.8	343.8	343.8
40°	314.5	320.6	323.7	328.3	329.9	331.4	334.5	336.0	337.6	337.6
42.5°	305.2	311.4	314.5	319.1	320.6	322.2	325.3	326.8	328.3	328.3
45°	296.0	300.6	303.7	308.3	311.4	311.4	314.5	316.0	317.5	317.5
47.5°	283.6	288.3	291.3	296.0	299.0	300.6	302.1	303.7	305.2	305.2
50°	269.8	274.4	279.0	282.1	285.2	285.2	288.3	289.8	291.3	291.3
52.5°	255.9	259.0	263.6	268.2	269.8	271.3	272.8	274.4	275.9	275.9
55°	240.5	243.6	248.2	251.3	252.8	254.3	255.9	257.4	259.0	259.0
57.5°	223.5	226.6	231.2	234.3	235.8	237.4	238.9	240.5	242.0	242.0
60°	205.0	208.1	212.7	215.8	217.3	217.3	220.4	222.0	222.0	222.0
62.5°	186.5	189.6	192.7	195.8	197.3	198.9	200.4	201.9	201.9	201.9
65°	168.0	171.1	174.2	175.7	177.3	177.3	178.8	180.4	181.9	181.9
67.5°	148.0	151.1	154.1	155.7	157.2	157.2	158.8	160.3	160.3	160.3
70°	127.9	129.5	132.6	134.1	135.7	135.7	138.7	138.7	138.7	138.7
72.5°	107.9	109.4	112.5	114.1	115.6	115.6	117.2	118.7	118.7	118.7
75°	89.4	90.9	92.5	95.6	95.6	95.6	97.1	98.7	98.7	98.7
77.5°	70.9	72.4	74.0	75.5	77.1	77.1	78.6	80.2	80.2	80.2
80°	54.0	55.5	57.0	58.6	58.6	60.1	60.1	61.7	61.7	61.7
82.5°	38.5	40.1	41.6	43.2	44.7	44.7	46.2	47.8	47.8	46.2
85°	26.2	29.3	30.8	32.4	32.4	32.4	33.9	35.5	35.5	33.9
87.5°	18.5	18.5	20.0	21.6	21.6	23.1	23.1	24.7	24.7	24.7
90°	10.8	10.8	12.3	12.3	13.9	13.9	13.9	15.4	15.4	15.4
92.5°	26.2	26.2	27.7	27.7	27.7	27.7	29.3	29.3	29.3	29.3
95°	280.5	126.4	106.4	64.7	61.7	54.0	52.4	54.0	54.0	52.4
97.5°	941.8	1008.1	1049.7	1069.8	1045.1	1018.9	989.6	985.0	944.9	855.5
100°	1015.8	1068.2	1119.1	1154.6	1168.4	1180.8	1208.5	1225.5	1233.2	1240.9
102.5°	1052.8	1108.3	1153.0	1197.7	1216.2	1233.2	1257.8	1277.9	1285.6	1291.8
105°	1085.2	1142.2	1191.6	1231.6	1248.6	1264.0	1288.7	1307.2	1321.0	1322.6
107.5°	1092.9	1153.0	1208.5	1257.8	1277.9	1294.8	1324.1	1338.0	1350.3	1350.3
110°	1106.8	1163.8	1214.7	1259.4	1279.4	1299.5	1330.3	1351.9	1364.2	1367.3



TEST NUMBER: P395755

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1117.6	1176.1	1223.9	1268.6	1285.6	1304.1	1333.4	1353.4	1364.2	1368.8
115°	1126.8	1183.9	1231.6	1273.3	1291.8	1310.3	1339.5	1356.5	1368.8	1373.5
117.5°	1133.0	1188.5	1236.3	1274.8	1294.8	1310.3	1338.0	1356.5	1368.8	1370.4
120°	1134.5	1190.0	1236.3	1274.8	1291.8	1308.7	1336.5	1355.0	1367.3	1367.3
122.5°	1134.5	1188.5	1234.7	1271.7	1287.1	1302.6	1328.8	1350.3	1361.1	1361.1
125°	1128.4	1182.3	1227.0	1264.0	1279.4	1293.3	1321.0	1341.1	1351.9	1353.4
127.5°	1119.1	1171.5	1216.2	1253.2	1268.6	1281.0	1310.3	1328.8	1339.5	1341.1
130°	1106.8	1159.2	1202.4	1237.8	1253.2	1267.1	1291.8	1311.8	1324.1	1327.2
132.5°	1092.9	1142.2	1185.4	1219.3	1234.7	1247.1	1271.7	1291.8	1302.6	1307.2
135°	1076.0	1122.2	1163.8	1197.7	1213.1	1225.5	1248.6	1268.6	1279.4	1284.1
137.5°	1054.4	1099.1	1139.2	1173.1	1186.9	1199.3	1222.4	1240.9	1250.1	1256.3
140°	1029.7	1071.3	1112.9	1143.8	1157.7	1170.0	1190.0	1210.1	1219.3	1223.9
142.5°	1003.5	1045.1	1082.1	1112.9	1125.3	1137.6	1157.7	1176.1	1185.4	1186.9
145°	975.8	1015.8	1049.7	1079.0	1089.8	1102.2	1120.7	1139.2	1148.4	1149.9
147.5°	944.9	981.9	1014.3	1042.0	1054.4	1063.6	1080.6	1097.5	1106.8	1108.3
150°	909.5	943.4	972.7	1000.4	1011.2	1020.5	1039.0	1054.4	1063.6	1065.2
152.5°	875.6	907.9	932.6	957.3	968.0	977.3	992.7	1008.1	1017.4	1018.9
155°	840.1	869.4	894.1	914.1	923.3	932.6	944.9	958.8	966.5	968.0
157.5°	803.1	830.9	852.4	870.9	880.2	887.9	898.7	911.0	915.6	918.7
160°	763.0	786.2	804.7	823.2	830.9	838.6	849.4	858.6	864.8	866.3
162.5°	719.9	739.9	755.3	772.3	776.9	783.1	793.9	803.1	807.7	809.3
165°	675.2	693.7	707.5	721.4	724.5	729.1	736.8	746.1	749.2	752.2
167.5°	630.5	645.9	655.1	667.5	672.1	675.2	682.9	689.0	692.1	693.7
170°	587.3	598.1	605.8	615.1	616.6	621.2	625.8	632.0	633.5	633.5
172.5°	553.4	558.0	562.6	565.7	567.3	568.8	571.9	573.4	573.4	573.4
175°	531.8	534.9	534.9	536.4	536.4	536.4	536.4	536.4	536.4	536.4
177.5°	519.5	519.5	519.5	517.9	517.9	517.9	517.9	516.4	516.4	516.4
180°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4

(END OF REPORT)