

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: P395753

Luminaire Tested: **I3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395753  
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 (4000K)  
Description: CORELITE I3, OPEN TOP  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6060.5 lumens  
Efficiency: N/A  
Efficacy: 135.9 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

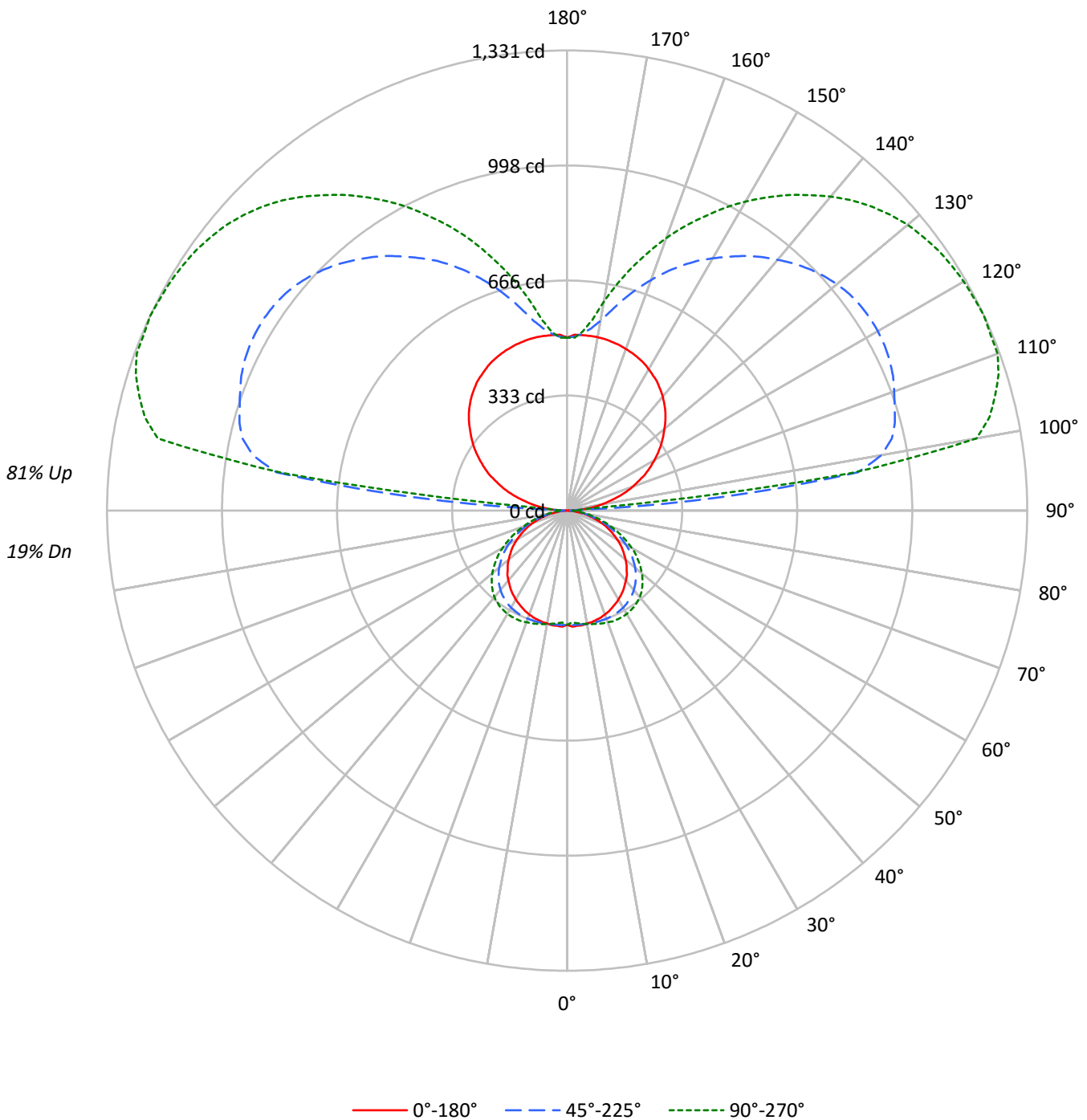
Input Watts (W): 44.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395753

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395753

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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	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°	1814	1814	1814
5°	1839	1788	1754
10°	1837	1776	1756
15°	1840	1769	1771
20°	1841	1777	1792
25°	1839	1781	1819
30°	1841	1783	1836
35°	1839	1775	1844
40°	1832	1761	1834
45°	1816	1724	1794
50°	1799	1668	1728
55°	1768	1587	1629
60°	1713	1473	1499
65°	1638	1311	1336
70°	1547	1138	1127
75°	1341	891	905
80°	1066	641	654
85°	632	373	431



TEST NUMBER: P395753

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.6	0.5
10°-20°	94.2	1.6
20°-30°	151.5	2.5
30°-40°	195.0	3.2
40°-50°	214.2	3.5
50°-60°	201.3	3.3
60°-70°	156.4	2.6
70°-80°	89.7	1.5
80°-90°	28.8	0.5
90°-100°	387.4	6.4
100°-110°	920.6	15.2
110°-120°	924.8	15.3
120°-130°	848.1	14.0
130°-140°	709.2	11.7
140°-150°	532.3	8.8
150°-160°	346.5	5.7
160°-170°	178.4	2.9
170°-180°	50.5	0.8
0°-30°	277.3	4.6
0°-40°	472.3	7.8
0°-60°	887.7	14.6
0°-90°	1162.5	19.2
90°-120°	2232.9	36.8
90°-150°	4322.5	71.3
90°-180°	4898.0	80.8
0°-180°	6060.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	330	330	330	330	330	
5°	335	332	332	330	327	32
15°	327	326	333	338	339	92
25°	309	312	330	342	346	143
35°	282	290	314	333	339	176
45°	244	255	281	302	308	188
55°	196	206	228	245	251	174
65°	137	145	158	172	176	136
75°	73	76	84	93	96	78
85°	15	18	24	31	33	18
90°	2	4	9	13	15	5
95°	52	433	445	60	51	52
105°	151	581	981	1210	1282	160
115°	249	654	1029	1252	1331	245
125°	332	683	1035	1240	1311	296
135°	402	680	989	1176	1244	310
145°	454	651	899	1056	1114	284
155°	487	597	781	895	938	225
165°	505	539	633	702	729	143
175°	509	508	514	520	520	49
180°	500	500	500	500	500	



TEST NUMBER: P395753

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1
2.5°	336.1	334.6	333.1	333.1	331.6	331.6	331.6	330.1	330.1	330.1	331.6
5°	334.6	334.6	333.1	331.6	331.6	331.6	330.1	330.1	330.1	330.1	331.6
7.5°	334.6	333.1	331.6	331.6	330.1	330.1	330.1	330.1	330.1	330.1	331.6
10°	331.6	331.6	330.1	330.1	328.6	330.1	330.1	330.1	330.1	330.1	333.1
12.5°	330.1	330.1	328.6	327.1	327.1	327.1	328.6	328.6	328.6	330.1	333.1
15°	327.1	327.1	325.6	325.6	325.6	325.6	327.1	327.1	328.6	330.1	333.1
17.5°	324.1	324.1	322.6	322.6	322.6	324.1	324.1	325.6	327.1	330.1	333.1
20°	319.6	319.6	319.6	319.6	319.6	321.1	321.1	322.6	325.6	328.6	333.1
22.5°	315.1	315.1	315.1	315.1	315.1	316.6	318.1	321.1	322.6	327.1	331.6
25°	309.2	309.2	309.2	309.2	310.7	312.2	313.7	316.6	319.6	324.1	330.1
27.5°	303.2	304.7	304.7	304.7	306.2	307.7	309.2	312.2	316.6	322.6	327.1
30°	297.2	297.2	297.2	298.7	300.2	301.7	304.7	307.7	312.2	318.1	324.1
32.5°	289.8	289.8	291.3	291.3	294.2	295.7	298.7	303.2	307.7	313.7	319.6
35°	282.3	282.3	282.3	285.3	286.8	289.8	291.3	295.7	301.7	307.7	313.7
37.5°	273.3	274.8	274.8	276.3	279.3	282.3	283.8	289.8	295.7	301.7	307.7
40°	264.4	265.9	265.9	267.4	271.8	273.3	276.3	282.3	286.8	294.2	300.2
42.5°	255.4	255.4	256.9	258.4	262.9	264.4	267.4	273.3	279.3	285.3	291.3
45°	243.5	244.9	246.4	247.9	252.4	255.4	258.4	262.9	268.8	274.8	280.8
47.5°	233.0	233.0	234.5	237.5	242.0	244.9	246.4	252.4	256.9	262.9	268.8
50°	221.1	222.5	222.5	225.5	230.0	233.0	234.5	240.5	244.9	250.9	256.9
52.5°	207.6	209.1	210.6	213.6	218.1	221.1	222.5	227.0	231.5	237.5	242.0
55°	195.7	197.2	197.2	200.1	204.6	206.1	209.1	212.1	218.1	222.5	228.5
57.5°	182.2	183.7	183.7	186.7	189.7	192.7	194.2	198.6	203.1	207.6	212.1
60°	167.3	168.8	170.3	171.8	174.8	177.7	179.2	182.2	186.7	191.2	195.7
62.5°	152.3	153.8	155.3	156.8	159.8	161.3	162.8	167.3	170.3	174.8	177.7
65°	137.4	138.9	140.4	141.9	143.4	144.9	146.4	149.4	152.3	156.8	158.3
67.5°	122.5	124.0	124.0	125.5	127.0	128.4	129.9	132.9	134.4	138.9	140.4
70°	107.5	107.5	107.5	109.0	109.0	110.5	112.0	115.0	116.5	119.5	122.5
72.5°	89.6	91.1	91.1	91.1	92.6	94.1	95.6	97.1	98.6	100.1	103.1
75°	73.2	74.7	73.2	74.7	76.2	76.2	77.7	79.2	80.7	82.1	83.6
77.5°	58.3	56.8	58.3	58.3	59.7	59.7	59.7	61.2	64.2	64.2	67.2
80°	41.8	41.8	41.8	41.8	43.3	43.3	44.8	44.8	47.8	49.3	50.8
82.5°	26.9	26.9	28.4	28.4	28.4	29.9	29.9	31.4	32.9	34.4	35.8
85°	14.9	14.9	14.9	16.4	16.4	17.9	17.9	19.4	20.9	22.4	23.9
87.5°	4.5	6.0	7.5	7.5	9.0	9.0	10.5	10.5	13.4	14.9	16.4
90°	1.5	1.5	3.0	3.0	3.0	4.5	4.5	6.0	6.0	7.5	9.0
92.5°	25.4	59.7	124.0	185.2	159.8	149.4	89.6	26.9	23.9	25.4	25.4
95°	52.3	98.6	180.7	292.7	379.4	433.1	469.0	537.7	607.9	595.9	445.1
97.5°	76.2	127.0	218.1	321.1	440.6	501.8	548.1	630.3	719.9	794.6	848.4
100°	100.1	152.3	249.4	357.0	467.5	522.8	576.5	688.5	776.7	851.3	923.0
102.5°	125.5	177.7	277.8	389.8	498.9	552.6	604.9	703.5	802.1	891.7	961.9
105°	150.9	204.6	303.2	418.2	527.2	581.0	631.8	725.9	817.0	900.6	981.3
107.5°	177.7	228.5	325.6	440.6	549.6	603.4	654.2	748.3	836.4	920.1	993.2
110°	201.6	250.9	348.0	461.5	570.6	624.3	675.1	769.2	855.8	935.0	1006.7



TEST NUMBER: P395753

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	224.0	271.8	368.9	479.4	587.0	640.8	690.0	784.1	870.8	948.4	1020.1
115°	249.4	291.3	389.8	495.9	601.9	654.2	703.5	796.1	882.7	958.9	1029.1
117.5°	270.3	310.7	407.8	509.3	613.9	664.6	712.4	805.0	890.2	966.4	1035.1
120°	291.3	328.6	424.2	521.3	622.8	672.1	719.9	811.0	896.2	970.8	1038.0
122.5°	312.2	346.5	437.6	533.2	630.3	679.6	725.9	815.5	899.1	972.3	1038.0
125°	331.6	361.4	449.6	542.2	634.8	682.6	727.4	815.5	897.6	969.3	1035.1
127.5°	349.5	377.9	458.5	551.1	637.8	684.1	727.4	812.5	894.7	964.9	1029.1
130°	367.4	392.8	467.5	555.6	640.8	682.6	724.4	806.5	887.2	957.4	1018.6
132.5°	385.3	409.2	475.0	560.1	642.2	682.6	721.4	800.6	878.2	946.9	1005.2
135°	401.8	421.2	482.4	563.1	640.8	679.6	715.4	790.1	864.8	932.0	988.8
137.5°	416.7	433.1	488.4	564.6	639.3	675.1	710.9	778.2	848.4	914.1	969.3
140°	430.2	445.1	491.4	564.6	633.3	669.1	702.0	766.2	830.4	893.2	946.9
142.5°	442.1	455.5	495.9	561.6	627.3	661.7	693.0	754.3	812.5	872.3	924.5
145°	454.1	464.5	498.9	560.1	619.8	651.2	681.1	739.3	796.1	849.9	899.1
147.5°	463.0	473.5	501.8	554.1	610.9	639.3	667.6	722.9	775.2	826.0	870.8
150°	472.0	480.9	503.3	548.1	600.4	625.8	651.2	703.5	754.3	800.6	842.4
152.5°	480.9	486.9	507.8	542.2	588.5	612.4	637.8	684.1	730.4	773.7	814.0
155°	486.9	491.4	509.3	536.2	576.5	597.4	618.3	661.7	703.5	743.8	781.1
157.5°	492.9	497.4	510.8	531.7	563.1	582.5	600.4	637.8	676.6	712.4	746.8
160°	497.4	500.4	510.8	528.7	551.1	564.6	581.0	615.4	648.2	679.6	709.5
162.5°	501.8	503.3	510.8	524.3	540.7	549.6	561.6	588.5	618.3	645.2	672.1
165°	504.8	506.3	510.8	521.3	531.7	539.2	545.2	564.6	587.0	610.9	633.3
167.5°	507.8	507.8	510.8	518.3	524.3	528.7	533.2	543.7	558.6	576.5	593.0
170°	509.3	509.3	510.8	515.3	519.8	521.3	524.3	530.2	537.7	546.7	557.1
172.5°	509.3	509.3	509.3	512.3	513.8	513.8	513.8	516.8	521.3	527.2	531.7
175°	509.3	507.8	507.8	509.3	507.8	507.8	507.8	507.8	509.3	512.3	513.8
177.5°	509.3	507.8	506.3	506.3	504.8	504.8	503.3	503.3	503.3	503.3	503.3
180°	500.4	500.4	500.4	500.4	500.4	500.4	500.4	500.4	500.4	500.4	500.4



TEST NUMBER: P395753

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1	330.1
2.5°	331.6	331.6	330.1	328.6	328.6	328.6	327.1	325.6	324.1	324.1
5°	331.6	331.6	330.1	330.1	330.1	330.1	328.6	328.6	327.1	327.1
7.5°	333.1	331.6	331.6	331.6	331.6	331.6	331.6	331.6	330.1	330.1
10°	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1	333.1
12.5°	334.6	334.6	334.6	334.6	336.1	336.1	336.1	336.1	336.1	336.1
15°	334.6	336.1	337.6	337.6	337.6	339.0	339.0	339.0	339.0	339.0
17.5°	336.1	337.6	339.0	339.0	340.5	340.5	342.0	342.0	342.0	342.0
20°	336.1	337.6	339.0	340.5	342.0	342.0	343.5	345.0	345.0	343.5
22.5°	334.6	337.6	339.0	340.5	342.0	343.5	345.0	346.5	346.5	346.5
25°	333.1	336.1	339.0	342.0	342.0	343.5	346.5	346.5	346.5	346.5
27.5°	331.6	334.6	337.6	340.5	342.0	343.5	345.0	346.5	346.5	346.5
30°	328.6	333.1	336.1	339.0	340.5	342.0	343.5	345.0	345.0	345.0
32.5°	324.1	328.6	331.6	336.1	337.6	339.0	340.5	342.0	342.0	342.0
35°	319.6	324.1	327.1	331.6	333.1	334.6	337.6	337.6	339.0	339.0
37.5°	312.2	318.1	321.1	325.6	327.1	328.6	331.6	333.1	333.1	333.1
40°	304.7	310.7	313.7	318.1	319.6	321.1	324.1	325.6	327.1	327.1
42.5°	295.7	301.7	304.7	309.2	310.7	312.2	315.1	316.6	318.1	318.1
45°	286.8	291.3	294.2	298.7	301.7	301.7	304.7	306.2	307.7	307.7
47.5°	274.8	279.3	282.3	286.8	289.8	291.3	292.7	294.2	295.7	295.7
50°	261.4	265.9	270.3	273.3	276.3	276.3	279.3	280.8	282.3	282.3
52.5°	247.9	250.9	255.4	259.9	261.4	262.9	264.4	265.9	267.4	267.4
55°	233.0	236.0	240.5	243.5	244.9	246.4	247.9	249.4	250.9	250.9
57.5°	216.6	219.6	224.0	227.0	228.5	230.0	231.5	233.0	234.5	234.5
60°	198.6	201.6	206.1	209.1	210.6	210.6	213.6	215.1	215.1	215.1
62.5°	180.7	183.7	186.7	189.7	191.2	192.7	194.2	195.7	195.7	195.7
65°	162.8	165.8	168.8	170.3	171.8	171.8	173.3	174.8	176.2	176.2
67.5°	143.4	146.4	149.4	150.9	152.3	152.3	153.8	155.3	155.3	155.3
70°	124.0	125.5	128.4	129.9	131.4	131.4	134.4	134.4	134.4	134.4
72.5°	104.6	106.0	109.0	110.5	112.0	112.0	113.5	115.0	115.0	115.0
75°	86.6	88.1	89.6	92.6	92.6	92.6	94.1	95.6	95.6	95.6
77.5°	68.7	70.2	71.7	73.2	74.7	74.7	76.2	77.7	77.7	77.7
80°	52.3	53.8	55.3	56.8	56.8	58.3	58.3	59.7	59.7	59.7
82.5°	37.3	38.8	40.3	41.8	43.3	43.3	44.8	46.3	46.3	44.8
85°	25.4	28.4	29.9	31.4	31.4	31.4	32.9	34.4	34.4	32.9
87.5°	17.9	17.9	19.4	20.9	20.9	22.4	22.4	23.9	23.9	23.9
90°	10.5	10.5	11.9	11.9	13.4	13.4	13.4	14.9	14.9	14.9
92.5°	25.4	25.4	26.9	26.9	26.9	26.9	28.4	28.4	28.4	28.4
95°	271.8	122.5	103.1	62.7	59.7	52.3	50.8	52.3	52.3	50.8
97.5°	912.6	976.8	1017.1	1036.6	1012.7	987.3	958.9	954.4	915.6	828.9
100°	984.3	1035.1	1084.3	1118.7	1132.1	1144.1	1171.0	1187.4	1194.9	1202.3
102.5°	1020.1	1073.9	1117.2	1160.5	1178.4	1194.9	1218.8	1238.2	1245.7	1251.6
105°	1051.5	1106.8	1154.5	1193.4	1209.8	1224.7	1248.6	1266.6	1280.0	1281.5
107.5°	1059.0	1117.2	1171.0	1218.8	1238.2	1254.6	1283.0	1296.4	1308.4	1308.4
110°	1072.4	1127.7	1176.9	1220.3	1239.7	1259.1	1289.0	1309.9	1321.8	1324.8





TEST NUMBER: P395753

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1082.9	1139.6	1185.9	1229.2	1245.7	1263.6	1292.0	1311.4	1321.8	1326.3
115°	1091.8	1147.1	1193.4	1233.7	1251.6	1269.6	1297.9	1314.4	1326.3	1330.8
117.5°	1097.8	1151.6	1197.9	1235.2	1254.6	1269.6	1296.4	1314.4	1326.3	1327.8
120°	1099.3	1153.1	1197.9	1235.2	1251.6	1268.1	1294.9	1312.9	1324.8	1324.8
122.5°	1099.3	1151.6	1196.4	1232.2	1247.1	1262.1	1287.5	1308.4	1318.8	1318.8
125°	1093.3	1145.6	1188.9	1224.7	1239.7	1253.1	1280.0	1299.4	1309.9	1311.4
127.5°	1084.3	1135.1	1178.4	1214.3	1229.2	1241.2	1269.6	1287.5	1297.9	1299.4
130°	1072.4	1123.2	1165.0	1199.4	1214.3	1227.7	1251.6	1271.0	1283.0	1286.0
132.5°	1059.0	1106.8	1148.6	1181.4	1196.4	1208.3	1232.2	1251.6	1262.1	1266.6
135°	1042.5	1087.3	1127.7	1160.5	1175.5	1187.4	1209.8	1229.2	1239.7	1244.2
137.5°	1021.6	1064.9	1103.8	1136.6	1150.1	1162.0	1184.4	1202.3	1211.3	1217.3
140°	997.7	1038.0	1078.4	1108.2	1121.7	1133.6	1153.1	1172.5	1181.4	1185.9
142.5°	972.3	1012.7	1048.5	1078.4	1090.3	1102.3	1121.7	1139.6	1148.6	1150.1
145°	945.4	984.3	1017.1	1045.5	1056.0	1067.9	1085.8	1103.8	1112.7	1114.2
147.5°	915.6	951.4	982.8	1009.7	1021.6	1030.6	1047.0	1063.4	1072.4	1073.9
150°	881.2	914.1	942.5	969.3	979.8	988.8	1006.7	1021.6	1030.6	1032.1
152.5°	848.4	879.7	903.6	927.5	938.0	946.9	961.9	976.8	985.8	987.3
155°	814.0	842.4	866.3	885.7	894.7	903.6	915.6	929.0	936.5	938.0
157.5°	778.2	805.0	826.0	843.9	852.8	860.3	870.8	882.7	887.2	890.2
160°	739.3	761.7	779.7	797.6	805.0	812.5	823.0	831.9	837.9	839.4
162.5°	697.5	716.9	731.9	748.3	752.8	758.7	769.2	778.2	782.6	784.1
165°	654.2	672.1	685.6	699.0	702.0	706.5	713.9	722.9	725.9	728.9
167.5°	610.9	625.8	634.8	646.7	651.2	654.2	661.7	667.6	670.6	672.1
170°	569.1	579.5	587.0	595.9	597.4	601.9	606.4	612.4	613.9	613.9
172.5°	536.2	540.7	545.2	548.1	549.6	551.1	554.1	555.6	555.6	555.6
175°	515.3	518.3	518.3	519.8	519.8	519.8	519.8	519.8	519.8	519.8
177.5°	503.3	503.3	503.3	501.8	501.8	501.8	501.8	500.4	500.4	500.4
180°	500.4	500.4	500.4	500.4	500.4	500.4	500.4	500.4	500.4	500.4

(END OF REPORT)