

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: P395752

Luminaire Tested: **I3-UL-60L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395752  
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 (3500K)  
Description: CORELITE I3, OPEN TOP  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5932.9 lumens  
Efficiency: N/A  
Efficacy: 133.9 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

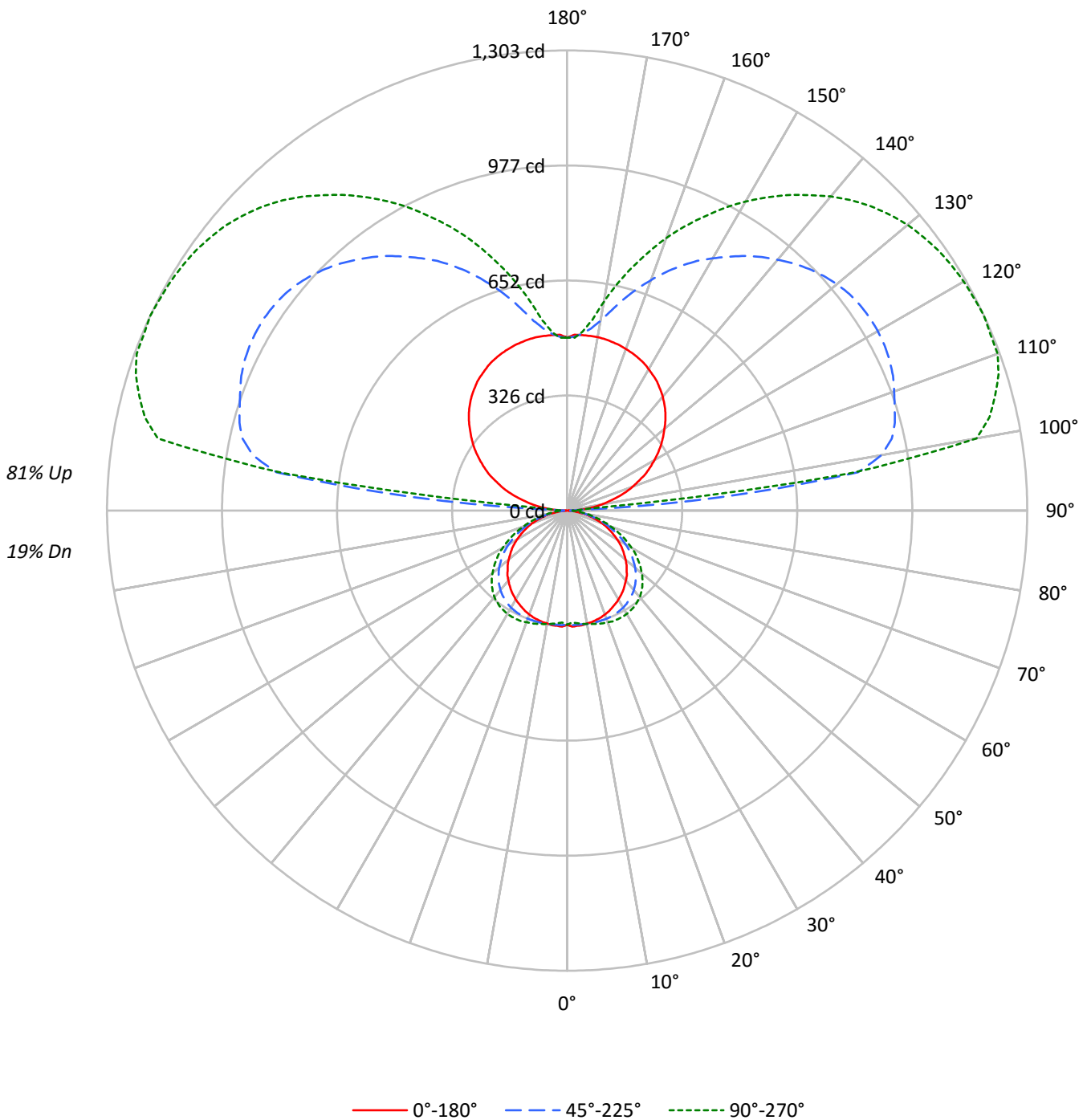
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3500K)

### 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	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°	1776	1776	1776
5°	1800	1750	1717
10°	1798	1739	1719
15°	1802	1732	1734
20°	1802	1739	1754
25°	1800	1743	1780
30°	1803	1746	1798
35°	1800	1737	1806
40°	1793	1724	1795
45°	1777	1688	1756
50°	1761	1633	1691
55°	1730	1554	1594
60°	1677	1442	1468
65°	1603	1284	1308
70°	1515	1114	1104
75°	1312	873	886
80°	1043	627	641
85°	619	365	422



TEST NUMBER: P395752

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.9	0.5
10°-20°	92.2	1.6
20°-30°	148.3	2.5
30°-40°	190.9	3.2
40°-50°	209.6	3.5
50°-60°	197.0	3.3
60°-70°	153.1	2.6
70°-80°	87.8	1.5
80°-90°	28.1	0.5
90°-100°	379.3	6.4
100°-110°	901.3	15.2
110°-120°	905.4	15.3
120°-130°	830.3	14.0
130°-140°	694.3	11.7
140°-150°	521.1	8.8
150°-160°	339.2	5.7
160°-170°	174.7	2.9
170°-180°	49.4	0.8
0°-30°	271.4	4.6
0°-40°	462.3	7.8
0°-60°	869.0	14.6
0°-90°	1138.1	19.2
90°-120°	2185.9	36.8
90°-150°	4231.5	71.3
90°-180°	4795.0	80.8
0°-180°	5932.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	323	323	323	323	323	
5°	328	325	325	323	320	31
15°	320	319	326	330	332	90
25°	303	306	323	335	339	140
35°	276	284	307	326	332	173
45°	238	250	275	295	301	184
55°	192	202	224	240	246	171
65°	134	142	155	168	172	133
75°	72	75	82	91	94	76
85°	15	18	23	31	32	17
90°	2	4	9	13	15	4
95°	51	424	436	58	50	51
105°	148	569	961	1184	1254	156
115°	244	640	1007	1225	1303	240
125°	325	668	1013	1214	1284	290
135°	393	665	968	1151	1218	303
145°	444	638	880	1034	1091	278
155°	477	585	765	876	918	220
165°	494	528	620	687	714	140
175°	499	497	503	509	509	48
180°	490	490	490	490	490	



TEST NUMBER: P395752

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1
2.5°	329.0	327.5	326.1	326.1	324.6	324.6	324.6	323.1	323.1	323.1	324.6
5°	327.5	327.5	326.1	324.6	324.6	324.6	323.1	323.1	323.1	323.1	324.6
7.5°	327.5	326.1	324.6	324.6	323.1	323.1	323.1	323.1	323.1	323.1	324.6
10°	324.6	324.6	323.1	323.1	321.7	323.1	323.1	323.1	323.1	323.1	326.1
12.5°	323.1	323.1	321.7	320.2	320.2	320.2	321.7	321.7	321.7	323.1	326.1
15°	320.2	320.2	318.8	318.8	318.8	318.8	320.2	320.2	321.7	323.1	326.1
17.5°	317.3	317.3	315.8	315.8	315.8	317.3	317.3	318.8	320.2	323.1	326.1
20°	312.9	312.9	312.9	312.9	312.9	314.4	314.4	315.8	318.8	321.7	326.1
22.5°	308.5	308.5	308.5	308.5	308.5	310.0	311.4	314.4	315.8	320.2	324.6
25°	302.7	302.7	302.7	302.7	304.1	305.6	307.1	310.0	312.9	317.3	323.1
27.5°	296.8	298.3	298.3	298.3	299.7	301.2	302.7	305.6	310.0	315.8	320.2
30°	291.0	291.0	291.0	292.4	293.9	295.4	298.3	301.2	305.6	311.4	317.3
32.5°	283.7	283.7	285.1	285.1	288.0	289.5	292.4	296.8	301.2	307.1	312.9
35°	276.3	276.3	276.3	279.3	280.7	283.7	285.1	289.5	295.4	301.2	307.1
37.5°	267.6	269.0	269.0	270.5	273.4	276.3	277.8	283.7	289.5	295.4	301.2
40°	258.8	260.3	260.3	261.7	266.1	267.6	270.5	276.3	280.7	288.0	293.9
42.5°	250.0	250.0	251.5	253.0	257.3	258.8	261.7	267.6	273.4	279.3	285.1
45°	238.3	239.8	241.3	242.7	247.1	250.0	253.0	257.3	263.2	269.0	274.9
47.5°	228.1	228.1	229.6	232.5	236.9	239.8	241.3	247.1	251.5	257.3	263.2
50°	216.4	217.9	217.9	220.8	225.2	228.1	229.6	235.4	239.8	245.6	251.5
52.5°	203.2	204.7	206.2	209.1	213.5	216.4	217.9	222.2	226.6	232.5	236.9
55°	191.5	193.0	193.0	195.9	200.3	201.8	204.7	207.6	213.5	217.9	223.7
57.5°	178.4	179.8	179.8	182.8	185.7	188.6	190.1	194.5	198.9	203.2	207.6
60°	163.8	165.2	166.7	168.1	171.1	174.0	175.5	178.4	182.8	187.2	191.5
62.5°	149.1	150.6	152.1	153.5	156.5	157.9	159.4	163.8	166.7	171.1	174.0
65°	134.5	136.0	137.4	138.9	140.4	141.8	143.3	146.2	149.1	153.5	155.0
67.5°	119.9	121.4	121.4	122.8	124.3	125.7	127.2	130.1	131.6	136.0	137.4
70°	105.3	105.3	105.3	106.7	106.7	108.2	109.7	112.6	114.0	117.0	119.9
72.5°	87.7	89.2	89.2	89.2	90.7	92.1	93.6	95.0	96.5	98.0	100.9
75°	71.6	73.1	71.6	73.1	74.6	74.6	76.0	77.5	79.0	80.4	81.9
77.5°	57.0	55.6	57.0	57.0	58.5	58.5	58.5	59.9	62.9	62.9	65.8
80°	40.9	40.9	40.9	40.9	42.4	42.4	43.9	43.9	46.8	48.3	49.7
82.5°	26.3	26.3	27.8	27.8	27.8	29.2	29.2	30.7	32.2	33.6	35.1
85°	14.6	14.6	14.6	16.1	16.1	17.5	17.5	19.0	20.5	21.9	23.4
87.5°	4.4	5.8	7.3	7.3	8.8	8.8	10.2	10.2	13.2	14.6	16.1
90°	1.5	1.5	2.9	2.9	2.9	4.4	4.4	5.8	5.8	7.3	8.8
92.5°	24.9	58.5	121.4	181.3	156.5	146.2	87.7	26.3	23.4	24.9	24.9
95°	51.2	96.5	176.9	286.6	371.4	424.0	459.1	526.4	595.1	583.4	435.7
97.5°	74.6	124.3	213.5	314.4	431.3	491.3	536.6	617.0	704.8	777.9	830.5
100°	98.0	149.1	244.2	349.5	457.7	511.8	564.4	674.1	760.3	833.4	903.6
102.5°	122.8	174.0	272.0	381.6	488.4	541.0	592.2	688.7	785.2	872.9	941.6
105°	147.7	200.3	296.8	409.4	516.1	568.8	618.5	710.6	799.8	881.7	960.6
107.5°	174.0	223.7	318.8	431.3	538.1	590.7	640.4	732.5	818.8	900.7	972.3
110°	197.4	245.6	340.7	451.8	558.5	611.2	660.9	753.0	837.8	915.3	985.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	219.3	266.1	361.2	469.4	574.6	627.3	675.5	767.6	852.4	928.5	998.7
115°	244.2	285.1	381.6	485.4	589.3	640.4	688.7	779.3	864.1	938.7	1007.4
117.5°	264.7	304.1	399.2	498.6	600.9	650.7	697.5	788.1	871.4	946.0	1013.3
120°	285.1	321.7	415.3	510.3	609.7	658.0	704.8	794.0	877.3	950.4	1016.2
122.5°	305.6	339.2	428.4	522.0	617.0	665.3	710.6	798.3	880.2	951.9	1016.2
125°	324.6	353.8	440.1	530.8	621.4	668.2	712.1	798.3	878.8	948.9	1013.3
127.5°	342.1	369.9	448.9	539.5	624.3	669.7	712.1	795.4	875.8	944.6	1007.4
130°	359.7	384.5	457.7	543.9	627.3	668.2	709.1	789.6	868.5	937.2	997.2
132.5°	377.2	400.6	465.0	548.3	628.7	668.2	706.2	783.7	859.8	927.0	984.0
135°	393.3	412.3	472.3	551.2	627.3	665.3	700.4	773.5	846.6	912.4	968.0
137.5°	407.9	424.0	478.1	552.7	625.8	660.9	696.0	761.8	830.5	894.8	948.9
140°	421.1	435.7	481.1	552.7	620.0	655.0	687.2	750.1	813.0	874.4	927.0
142.5°	432.8	446.0	485.4	549.8	614.1	647.7	678.4	738.4	795.4	853.9	905.1
145°	444.5	454.7	488.4	548.3	606.8	637.5	666.7	723.8	779.3	832.0	880.2
147.5°	453.3	463.5	491.3	542.5	598.0	625.8	653.6	707.7	758.9	808.6	852.4
150°	462.0	470.8	492.7	536.6	587.8	612.6	637.5	688.7	738.4	783.7	824.7
152.5°	470.8	476.7	497.1	530.8	576.1	599.5	624.3	669.7	715.0	757.4	796.9
155°	476.7	481.1	498.6	524.9	564.4	584.9	605.3	647.7	688.7	728.2	764.7
157.5°	482.5	486.9	500.1	520.5	551.2	570.2	587.8	624.3	662.4	697.5	731.1
160°	486.9	489.8	500.1	517.6	539.5	552.7	568.8	602.4	634.6	665.3	694.5
162.5°	491.3	492.7	500.1	513.2	529.3	538.1	549.8	576.1	605.3	631.7	658.0
165°	494.2	495.7	500.1	510.3	520.5	527.8	533.7	552.7	574.6	598.0	620.0
167.5°	497.1	497.1	500.1	507.4	513.2	517.6	522.0	532.2	546.8	564.4	580.5
170°	498.6	498.6	500.1	504.4	508.8	510.3	513.2	519.1	526.4	535.2	545.4
172.5°	498.6	498.6	498.6	501.5	503.0	503.0	503.0	505.9	510.3	516.1	520.5
175°	498.6	497.1	497.1	498.6	497.1	497.1	497.1	497.1	498.6	501.5	503.0
177.5°	498.6	497.1	495.7	495.7	494.2	494.2	492.7	492.7	492.7	492.7	492.7
180°	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8



TEST NUMBER: P395752

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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1	323.1
2.5°	324.6	324.6	323.1	321.7	321.7	321.7	320.2	318.8	317.3	317.3
5°	324.6	324.6	323.1	323.1	323.1	323.1	321.7	321.7	320.2	320.2
7.5°	326.1	324.6	324.6	324.6	324.6	324.6	324.6	324.6	323.1	323.1
10°	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1	326.1
12.5°	327.5	327.5	327.5	327.5	329.0	329.0	329.0	329.0	329.0	329.0
15°	327.5	329.0	330.4	330.4	330.4	331.9	331.9	331.9	331.9	331.9
17.5°	329.0	330.4	331.9	331.9	333.4	333.4	334.8	334.8	334.8	334.8
20°	329.0	330.4	331.9	333.4	334.8	334.8	336.3	337.8	337.8	336.3
22.5°	327.5	330.4	331.9	333.4	334.8	336.3	337.8	339.2	339.2	339.2
25°	326.1	329.0	331.9	334.8	334.8	336.3	339.2	339.2	339.2	339.2
27.5°	324.6	327.5	330.4	333.4	334.8	336.3	337.8	339.2	339.2	339.2
30°	321.7	326.1	329.0	331.9	333.4	334.8	336.3	337.8	337.8	337.8
32.5°	317.3	321.7	324.6	329.0	330.4	331.9	333.4	334.8	334.8	334.8
35°	312.9	317.3	320.2	324.6	326.1	327.5	330.4	330.4	331.9	331.9
37.5°	305.6	311.4	314.4	318.8	320.2	321.7	324.6	326.1	326.1	326.1
40°	298.3	304.1	307.1	311.4	312.9	314.4	317.3	318.8	320.2	320.2
42.5°	289.5	295.4	298.3	302.7	304.1	305.6	308.5	310.0	311.4	311.4
45°	280.7	285.1	288.0	292.4	295.4	295.4	298.3	299.7	301.2	301.2
47.5°	269.0	273.4	276.3	280.7	283.7	285.1	286.6	288.0	289.5	289.5
50°	255.9	260.3	264.7	267.6	270.5	270.5	273.4	274.9	276.3	276.3
52.5°	242.7	245.6	250.0	254.4	255.9	257.3	258.8	260.3	261.7	261.7
55°	228.1	231.0	235.4	238.3	239.8	241.3	242.7	244.2	245.6	245.6
57.5°	212.0	214.9	219.3	222.2	223.7	225.2	226.6	228.1	229.6	229.6
60°	194.5	197.4	201.8	204.7	206.2	206.2	209.1	210.6	210.6	210.6
62.5°	176.9	179.8	182.8	185.7	187.2	188.6	190.1	191.5	191.5	191.5
65°	159.4	162.3	165.2	166.7	168.1	168.1	169.6	171.1	172.5	172.5
67.5°	140.4	143.3	146.2	147.7	149.1	149.1	150.6	152.1	152.1	152.1
70°	121.4	122.8	125.7	127.2	128.7	128.7	131.6	131.6	131.6	131.6
72.5°	102.4	103.8	106.7	108.2	109.7	109.7	111.1	112.6	112.6	112.6
75°	84.8	86.3	87.7	90.7	90.7	90.7	92.1	93.6	93.6	93.6
77.5°	67.3	68.7	70.2	71.6	73.1	73.1	74.6	76.0	76.0	76.0
80°	51.2	52.6	54.1	55.6	55.6	57.0	57.0	58.5	58.5	58.5
82.5°	36.6	38.0	39.5	40.9	42.4	42.4	43.9	45.3	45.3	43.9
85°	24.9	27.8	29.2	30.7	30.7	30.7	32.2	33.6	33.6	32.2
87.5°	17.5	17.5	19.0	20.5	20.5	21.9	21.9	23.4	23.4	23.4
90°	10.2	10.2	11.7	11.7	13.2	13.2	13.2	14.6	14.6	14.6
92.5°	24.9	24.9	26.3	26.3	26.3	26.3	27.8	27.8	27.8	27.8
95°	266.1	119.9	100.9	61.4	58.5	51.2	49.7	51.2	51.2	49.7
97.5°	893.4	956.3	995.7	1014.7	991.3	966.5	938.7	934.3	896.3	811.5
100°	963.6	1013.3	1061.5	1095.2	1108.3	1120.0	1146.3	1162.4	1169.7	1177.0
102.5°	998.7	1051.3	1093.7	1136.1	1153.6	1169.7	1193.1	1212.1	1219.4	1225.3
105°	1029.4	1083.5	1130.3	1168.3	1184.4	1199.0	1222.4	1239.9	1253.1	1254.5
107.5°	1036.7	1093.7	1146.3	1193.1	1212.1	1228.2	1256.0	1269.2	1280.9	1280.9
110°	1049.8	1103.9	1152.2	1194.6	1213.6	1232.6	1261.8	1282.3	1294.0	1296.9





TEST NUMBER: P395752

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1060.1	1115.6	1161.0	1203.4	1219.4	1237.0	1264.8	1283.8	1294.0	1298.4
115°	1068.8	1122.9	1168.3	1207.7	1225.3	1242.8	1270.6	1286.7	1298.4	1302.8
117.5°	1074.7	1127.3	1172.7	1209.2	1228.2	1242.8	1269.2	1286.7	1298.4	1299.9
120°	1076.2	1128.8	1172.7	1209.2	1225.3	1241.4	1267.7	1285.2	1296.9	1296.9
122.5°	1076.2	1127.3	1171.2	1206.3	1220.9	1235.5	1260.4	1280.9	1291.1	1291.1
125°	1070.3	1121.5	1163.9	1199.0	1213.6	1226.8	1253.1	1272.1	1282.3	1283.8
127.5°	1061.5	1111.2	1153.6	1188.7	1203.4	1215.1	1242.8	1260.4	1270.6	1272.1
130°	1049.8	1099.5	1140.5	1174.1	1188.7	1201.9	1225.3	1244.3	1256.0	1258.9
132.5°	1036.7	1083.5	1124.4	1156.6	1171.2	1182.9	1206.3	1225.3	1235.5	1239.9
135°	1020.6	1064.5	1103.9	1136.1	1150.7	1162.4	1184.4	1203.4	1213.6	1218.0
137.5°	1000.1	1042.5	1080.5	1112.7	1125.9	1137.6	1159.5	1177.0	1185.8	1191.7
140°	976.7	1016.2	1055.7	1084.9	1098.1	1109.8	1128.8	1147.8	1156.6	1161.0
142.5°	951.9	991.3	1026.4	1055.7	1067.4	1079.1	1098.1	1115.6	1124.4	1125.9
145°	925.5	963.6	995.7	1023.5	1033.7	1045.4	1063.0	1080.5	1089.3	1090.8
147.5°	896.3	931.4	962.1	988.4	1000.1	1008.9	1025.0	1041.1	1049.8	1051.3
150°	862.7	894.8	922.6	948.9	959.2	968.0	985.5	1000.1	1008.9	1010.4
152.5°	830.5	861.2	884.6	908.0	918.2	927.0	941.6	956.3	965.0	966.5
155°	796.9	824.7	848.1	867.1	875.8	884.6	896.3	909.5	916.8	918.2
157.5°	761.8	788.1	808.6	826.1	834.9	842.2	852.4	864.1	868.5	871.4
160°	723.8	745.7	763.2	780.8	788.1	795.4	805.7	814.4	820.3	821.7
162.5°	682.8	701.8	716.5	732.5	736.9	742.8	753.0	761.8	766.2	767.6
165°	640.4	658.0	671.1	684.3	687.2	691.6	698.9	707.7	710.6	713.5
167.5°	598.0	612.6	621.4	633.1	637.5	640.4	647.7	653.6	656.5	658.0
170°	557.1	567.3	574.6	583.4	584.9	589.3	593.6	599.5	600.9	600.9
172.5°	524.9	529.3	533.7	536.6	538.1	539.5	542.5	543.9	543.9	543.9
175°	504.4	507.4	507.4	508.8	508.8	508.8	508.8	508.8	508.8	508.8
177.5°	492.7	492.7	492.7	491.3	491.3	491.3	491.3	489.8	489.8	489.8
180°	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8	489.8

(END OF REPORT)