

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: P395765

Luminaire Tested: **I3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395765  
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-60L92765-1D-UNV-W2A-W-4 (3500K)  
Description: CORELITE I3, OPEN TOP  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5198.1 lumens  
Efficiency: N/A  
Efficacy: 117.6 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

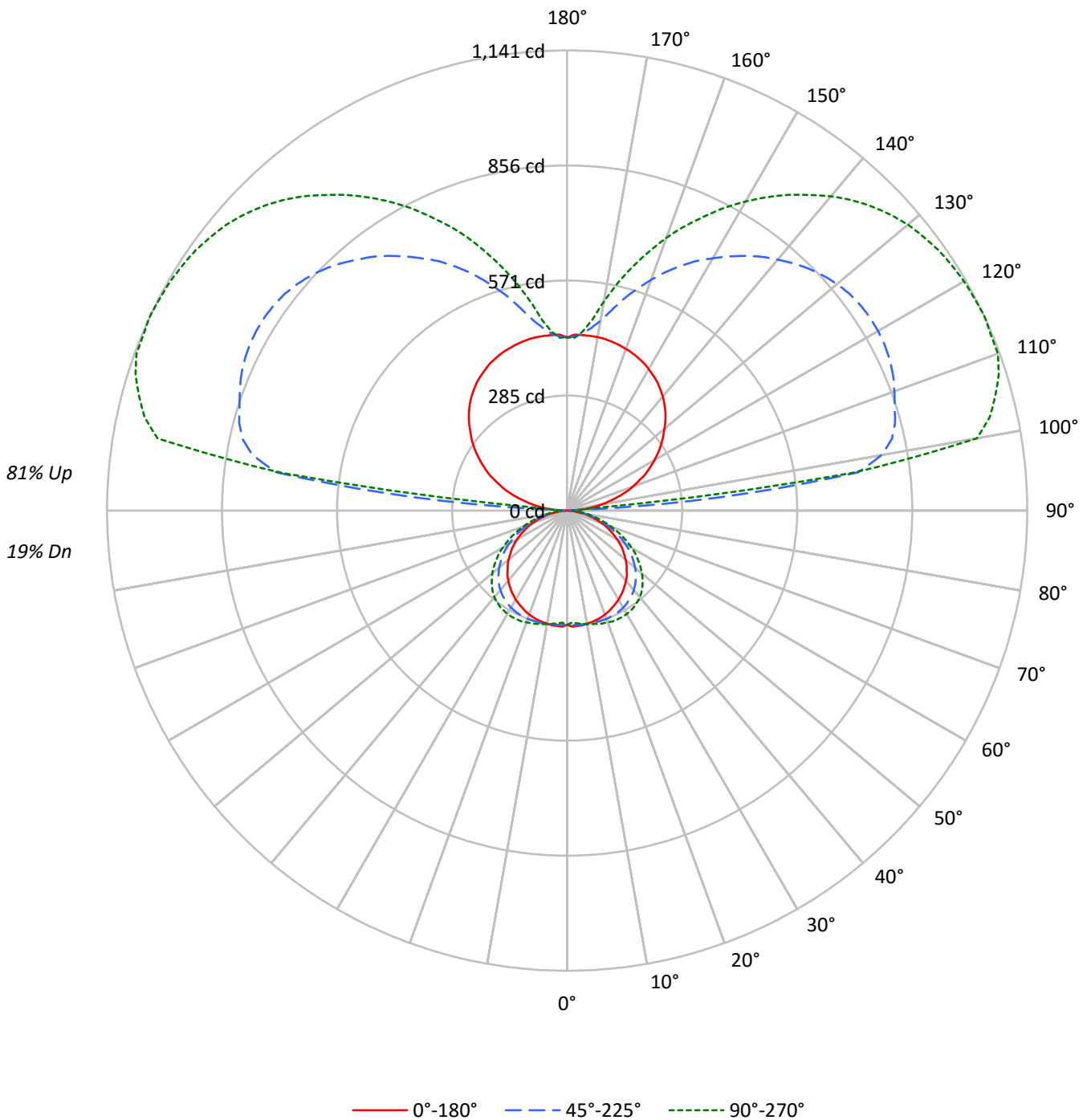
Input Watts (W): 44.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395765

CATALOG NUMBER: I3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395765

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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°	1556	1556	1556
5°	1578	1534	1504
10°	1575	1523	1506
15°	1579	1518	1519
20°	1579	1524	1537
25°	1577	1528	1560
30°	1579	1530	1575
35°	1577	1522	1582
40°	1571	1511	1573
45°	1557	1479	1539
50°	1543	1431	1482
55°	1516	1361	1397
60°	1469	1263	1286
65°	1405	1125	1147
70°	1327	975	967
75°	1151	764	776
80°	915	550	561
85°	543	320	370



TEST NUMBER: P395765

CATALOG NUMBER: I3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.1	0.5
10°-20°	80.8	1.6
20°-30°	130.0	2.5
30°-40°	167.2	3.2
40°-50°	183.7	3.5
50°-60°	172.6	3.3
60°-70°	134.1	2.6
70°-80°	76.9	1.5
80°-90°	24.7	0.5
90°-100°	332.3	6.4
100°-110°	789.7	15.2
110°-120°	793.2	15.3
120°-130°	727.5	14.0
130°-140°	608.3	11.7
140°-150°	456.5	8.8
150°-160°	297.2	5.7
160°-170°	153.1	2.9
170°-180°	43.3	0.8
0°-30°	237.8	4.6
0°-40°	405.1	7.8
0°-60°	761.4	14.6
0°-90°	997.1	19.2
90°-120°	1915.2	36.8
90°-150°	3707.5	71.3
90°-180°	4201.0	80.8
0°-180°	5198.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	283	283	283	283	283	
5°	287	284	284	283	281	27
15°	281	279	286	290	291	79
25°	265	268	283	293	297	122
35°	242	248	269	286	291	151
45°	209	219	241	259	264	161
55°	168	177	196	210	215	150
65°	118	124	136	147	151	117
75°	63	65	72	79	82	67
85°	13	15	20	27	28	15
90°	1	4	8	12	13	4
95°	45	372	382	51	44	45
105°	129	498	842	1038	1099	137
115°	214	561	883	1074	1141	210
125°	284	586	888	1063	1125	254
135°	345	583	848	1008	1067	266
145°	389	558	771	906	956	243
155°	418	512	670	767	804	193
165°	433	462	543	602	625	123
175°	437	436	441	446	446	42
180°	429	429	429	429	429	



TEST NUMBER: P395765

CATALOG NUMBER: I3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	283.1	283.1	283.1	283.1	283.1	283.1	283.1	283.1	283.1	283.1	283.1
2.5°	288.2	287.0	285.7	285.7	284.4	284.4	284.4	283.1	283.1	283.1	284.4
5°	287.0	287.0	285.7	284.4	284.4	284.4	283.1	283.1	283.1	283.1	284.4
7.5°	287.0	285.7	284.4	284.4	283.1	283.1	283.1	283.1	283.1	283.1	284.4
10°	284.4	284.4	283.1	283.1	281.8	283.1	283.1	283.1	283.1	283.1	285.7
12.5°	283.1	283.1	281.8	280.6	280.6	280.6	281.8	281.8	281.8	283.1	285.7
15°	280.6	280.6	279.3	279.3	279.3	279.3	280.6	280.6	281.8	283.1	285.7
17.5°	278.0	278.0	276.7	276.7	276.7	278.0	278.0	279.3	280.6	283.1	285.7
20°	274.2	274.2	274.2	274.2	274.2	275.4	275.4	276.7	279.3	281.8	285.7
22.5°	270.3	270.3	270.3	270.3	270.3	271.6	272.9	275.4	276.7	280.6	284.4
25°	265.2	265.2	265.2	265.2	266.5	267.7	269.0	271.6	274.2	278.0	283.1
27.5°	260.1	261.3	261.3	261.3	262.6	263.9	265.2	267.7	271.6	276.7	280.6
30°	254.9	254.9	254.9	256.2	257.5	258.8	261.3	263.9	267.7	272.9	278.0
32.5°	248.5	248.5	249.8	249.8	252.4	253.7	256.2	260.1	263.9	269.0	274.2
35°	242.1	242.1	242.1	244.7	246.0	248.5	249.8	253.7	258.8	263.9	269.0
37.5°	234.4	235.7	235.7	237.0	239.6	242.1	243.4	248.5	253.7	258.8	263.9
40°	226.8	228.0	228.0	229.3	233.2	234.4	237.0	242.1	246.0	252.4	257.5
42.5°	219.1	219.1	220.3	221.6	225.5	226.8	229.3	234.4	239.6	244.7	249.8
45°	208.8	210.1	211.4	212.7	216.5	219.1	221.6	225.5	230.6	235.7	240.8
47.5°	199.8	199.8	201.1	203.7	207.5	210.1	211.4	216.5	220.3	225.5	230.6
50°	189.6	190.9	190.9	193.4	197.3	199.8	201.1	206.3	210.1	215.2	220.3
52.5°	178.1	179.4	180.6	183.2	187.0	189.6	190.9	194.7	198.6	203.7	207.5
55°	167.8	169.1	169.1	171.7	175.5	176.8	179.4	181.9	187.0	190.9	196.0
57.5°	156.3	157.6	157.6	160.1	162.7	165.3	166.5	170.4	174.2	178.1	181.9
60°	143.5	144.8	146.0	147.3	149.9	152.4	153.7	156.3	160.1	164.0	167.8
62.5°	130.7	132.0	133.2	134.5	137.1	138.4	139.6	143.5	146.0	149.9	152.4
65°	117.9	119.1	120.4	121.7	123.0	124.3	125.5	128.1	130.7	134.5	135.8
67.5°	105.0	106.3	106.3	107.6	108.9	110.2	111.5	114.0	115.3	119.1	120.4
70°	92.2	92.2	92.2	93.5	93.5	94.8	96.1	98.6	99.9	102.5	105.0
72.5°	76.9	78.1	78.1	78.1	79.4	80.7	82.0	83.3	84.6	85.8	88.4
75°	62.8	64.1	62.8	64.1	65.3	65.3	66.6	67.9	69.2	70.5	71.7
77.5°	50.0	48.7	50.0	50.0	51.2	51.2	51.2	52.5	55.1	55.1	57.6
80°	35.9	35.9	35.9	35.9	37.2	37.2	38.4	38.4	41.0	42.3	43.6
82.5°	23.1	23.1	24.3	24.3	24.3	25.6	25.6	26.9	28.2	29.5	30.7
85°	12.8	12.8	12.8	14.1	14.1	15.4	15.4	16.7	17.9	19.2	20.5
87.5°	3.8	5.1	6.4	6.4	7.7	7.7	9.0	9.0	11.5	12.8	14.1
90°	1.3	1.3	2.6	2.6	2.6	3.8	3.8	5.1	5.1	6.4	7.7
92.5°	21.8	51.2	106.3	158.9	137.1	128.1	76.9	23.1	20.5	21.8	21.8
95°	44.8	84.6	155.0	251.1	325.4	371.5	402.3	461.2	521.4	511.1	381.8
97.5°	65.3	108.9	187.0	275.4	377.9	430.4	470.2	540.6	617.5	681.5	727.7
100°	85.8	130.7	213.9	306.2	401.0	448.4	494.5	590.6	666.2	730.2	791.7
102.5°	107.6	152.4	238.3	334.4	427.9	474.0	518.8	603.4	687.9	764.8	825.0
105°	129.4	175.5	260.1	358.7	452.2	498.3	541.9	622.6	700.7	772.5	841.7
107.5°	152.4	196.0	279.3	377.9	471.4	517.6	561.1	641.8	717.4	789.1	851.9
110°	172.9	215.2	298.5	395.9	489.4	535.5	579.0	659.8	734.1	802.0	863.4



TEST NUMBER: P395765

CATALOG NUMBER: I3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	192.2	233.2	316.4	411.2	503.5	549.6	591.9	672.6	746.9	813.5	875.0
115°	213.9	249.8	334.4	425.3	516.3	561.1	603.4	682.8	757.1	822.5	882.7
117.5°	231.9	266.5	349.7	436.8	526.5	570.1	611.1	690.5	763.5	828.9	887.8
120°	249.8	281.8	363.8	447.1	534.2	576.5	617.5	695.6	768.6	832.7	890.3
122.5°	267.7	297.2	375.4	457.3	540.6	582.9	622.6	699.5	771.2	834.0	890.3
125°	284.4	310.0	385.6	465.0	544.5	585.5	623.9	699.5	769.9	831.4	887.8
127.5°	299.8	324.1	393.3	472.7	547.0	586.7	623.9	696.9	767.4	827.6	882.7
130°	315.1	336.9	401.0	476.6	549.6	585.5	621.3	691.8	761.0	821.2	873.7
132.5°	330.5	351.0	407.4	480.4	550.9	585.5	618.8	686.7	753.3	812.2	862.2
135°	344.6	361.3	413.8	483.0	549.6	582.9	613.6	677.7	741.7	799.4	848.1
137.5°	357.4	371.5	418.9	484.2	548.3	579.0	609.8	667.4	727.7	784.0	831.4
140°	368.9	381.8	421.5	484.2	543.2	573.9	602.1	657.2	712.3	766.1	812.2
142.5°	379.2	390.7	425.3	481.7	538.1	567.5	594.4	646.9	696.9	748.1	793.0
145°	389.4	398.4	427.9	480.4	531.6	558.5	584.2	634.1	682.8	728.9	771.2
147.5°	397.1	406.1	430.4	475.3	524.0	548.3	572.6	620.0	664.9	708.4	746.9
150°	404.8	412.5	431.7	470.2	515.0	536.8	558.5	603.4	646.9	686.7	722.5
152.5°	412.5	417.6	435.6	465.0	504.7	525.2	547.0	586.7	626.4	663.6	698.2
155°	417.6	421.5	436.8	459.9	494.5	512.4	530.4	567.5	603.4	638.0	670.0
157.5°	422.8	426.6	438.1	456.1	483.0	499.6	515.0	547.0	580.3	611.1	640.5
160°	426.6	429.2	438.1	453.5	472.7	484.2	498.3	527.8	556.0	582.9	608.5
162.5°	430.4	431.7	438.1	449.7	463.7	471.4	481.7	504.7	530.4	553.4	576.5
165°	433.0	434.3	438.1	447.1	456.1	462.5	467.6	484.2	503.5	524.0	543.2
167.5°	435.6	435.6	438.1	444.5	449.7	453.5	457.3	466.3	479.1	494.5	508.6
170°	436.8	436.8	438.1	442.0	445.8	447.1	449.7	454.8	461.2	468.9	477.8
172.5°	436.8	436.8	436.8	439.4	440.7	440.7	440.7	443.3	447.1	452.2	456.1
175°	436.8	435.6	435.6	436.8	435.6	435.6	435.6	435.6	436.8	439.4	440.7
177.5°	436.8	435.6	434.3	434.3	433.0	433.0	431.7	431.7	431.7	431.7	431.7
180°	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2



TEST NUMBER: P395765

CATALOG NUMBER: I3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	283.1	283.1	283.1	283.1	283.1	283.1	283.1	283.1	283.1	283.1
2.5°	284.4	284.4	283.1	281.8	281.8	281.8	280.6	279.3	278.0	278.0
5°	284.4	284.4	283.1	283.1	283.1	283.1	281.8	281.8	280.6	280.6
7.5°	285.7	284.4	284.4	284.4	284.4	284.4	284.4	284.4	283.1	283.1
10°	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7	285.7
12.5°	287.0	287.0	287.0	287.0	288.2	288.2	288.2	288.2	288.2	288.2
15°	287.0	288.2	289.5	289.5	289.5	290.8	290.8	290.8	290.8	290.8
17.5°	288.2	289.5	290.8	290.8	292.1	292.1	293.4	293.4	293.4	293.4
20°	288.2	289.5	290.8	292.1	293.4	293.4	294.6	295.9	295.9	294.6
22.5°	287.0	289.5	290.8	292.1	293.4	294.6	295.9	297.2	297.2	297.2
25°	285.7	288.2	290.8	293.4	293.4	294.6	297.2	297.2	297.2	297.2
27.5°	284.4	287.0	289.5	292.1	293.4	294.6	295.9	297.2	297.2	297.2
30°	281.8	285.7	288.2	290.8	292.1	293.4	294.6	295.9	295.9	295.9
32.5°	278.0	281.8	284.4	288.2	289.5	290.8	292.1	293.4	293.4	293.4
35°	274.2	278.0	280.6	284.4	285.7	287.0	289.5	289.5	290.8	290.8
37.5°	267.7	272.9	275.4	279.3	280.6	281.8	284.4	285.7	285.7	285.7
40°	261.3	266.5	269.0	272.9	274.2	275.4	278.0	279.3	280.6	280.6
42.5°	253.7	258.8	261.3	265.2	266.5	267.7	270.3	271.6	272.9	272.9
45°	246.0	249.8	252.4	256.2	258.8	258.8	261.3	262.6	263.9	263.9
47.5°	235.7	239.6	242.1	246.0	248.5	249.8	251.1	252.4	253.7	253.7
50°	224.2	228.0	231.9	234.4	237.0	237.0	239.6	240.8	242.1	242.1
52.5°	212.7	215.2	219.1	222.9	224.2	225.5	226.8	228.0	229.3	229.3
55°	199.8	202.4	206.3	208.8	210.1	211.4	212.7	213.9	215.2	215.2
57.5°	185.8	188.3	192.2	194.7	196.0	197.3	198.6	199.8	201.1	201.1
60°	170.4	172.9	176.8	179.4	180.6	180.6	183.2	184.5	184.5	184.5
62.5°	155.0	157.6	160.1	162.7	164.0	165.3	166.5	167.8	167.8	167.8
65°	139.6	142.2	144.8	146.0	147.3	147.3	148.6	149.9	151.2	151.2
67.5°	123.0	125.5	128.1	129.4	130.7	130.7	132.0	133.2	133.2	133.2
70°	106.3	107.6	110.2	111.5	112.7	112.7	115.3	115.3	115.3	115.3
72.5°	89.7	91.0	93.5	94.8	96.1	96.1	97.4	98.6	98.6	98.6
75°	74.3	75.6	76.9	79.4	79.4	79.4	80.7	82.0	82.0	82.0
77.5°	58.9	60.2	61.5	62.8	64.1	64.1	65.3	66.6	66.6	66.6
80°	44.8	46.1	47.4	48.7	48.7	50.0	50.0	51.2	51.2	51.2
82.5°	32.0	33.3	34.6	35.9	37.2	37.2	38.4	39.7	39.7	38.4
85°	21.8	24.3	25.6	26.9	26.9	26.9	28.2	29.5	29.5	28.2
87.5°	15.4	15.4	16.7	17.9	17.9	19.2	19.2	20.5	20.5	20.5
90°	9.0	9.0	10.2	10.2	11.5	11.5	11.5	12.8	12.8	12.8
92.5°	21.8	21.8	23.1	23.1	23.1	23.1	24.3	24.3	24.3	24.3
95°	233.2	105.0	88.4	53.8	51.2	44.8	43.6	44.8	44.8	43.6
97.5°	782.7	837.8	872.4	889.1	868.6	846.8	822.5	818.6	785.3	711.0
100°	844.2	887.8	930.1	959.5	971.1	981.3	1004.4	1018.5	1024.9	1031.3
102.5°	875.0	921.1	958.2	995.4	1010.8	1024.9	1045.4	1062.0	1068.4	1073.5
105°	901.9	949.3	990.3	1023.6	1037.7	1050.5	1071.0	1086.4	1097.9	1099.2
107.5°	908.3	958.2	1004.4	1045.4	1062.0	1076.1	1100.4	1112.0	1122.2	1122.2
110°	919.8	967.2	1009.5	1046.6	1063.3	1079.9	1105.6	1123.5	1133.8	1136.3





TEST NUMBER: P395765

CATALOG NUMBER: I3-UL-60L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	928.8	977.5	1017.2	1054.3	1068.4	1083.8	1108.1	1124.8	1133.8	1137.6
115°	936.5	983.9	1023.6	1058.2	1073.5	1088.9	1113.3	1127.3	1137.6	1141.4
117.5°	941.6	987.7	1027.4	1059.4	1076.1	1088.9	1112.0	1127.3	1137.6	1138.9
120°	942.9	989.0	1027.4	1059.4	1073.5	1087.6	1110.7	1126.1	1136.3	1136.3
122.5°	942.9	987.7	1026.1	1056.9	1069.7	1082.5	1104.3	1122.2	1131.2	1131.2
125°	937.7	982.6	1019.7	1050.5	1063.3	1074.8	1097.9	1114.5	1123.5	1124.8
127.5°	930.1	973.6	1010.8	1041.5	1054.3	1064.6	1088.9	1104.3	1113.3	1114.5
130°	919.8	963.4	999.2	1028.7	1041.5	1053.0	1073.5	1090.2	1100.4	1103.0
132.5°	908.3	949.3	985.1	1013.3	1026.1	1036.4	1056.9	1073.5	1082.5	1086.4
135°	894.2	932.6	967.2	995.4	1008.2	1018.5	1037.7	1054.3	1063.3	1067.1
137.5°	876.3	913.4	946.7	974.9	986.4	996.7	1015.9	1031.3	1039.0	1044.1
140°	855.8	890.3	924.9	950.6	962.1	972.3	989.0	1005.6	1013.3	1017.2
142.5°	834.0	868.6	899.3	924.9	935.2	945.4	962.1	977.5	985.1	986.4
145°	810.9	844.2	872.4	896.8	905.7	916.0	931.3	946.7	954.4	955.7
147.5°	785.3	816.0	842.9	866.0	876.3	883.9	898.0	912.1	919.8	921.1
150°	755.8	784.0	808.4	831.4	840.4	848.1	863.4	876.3	883.9	885.2
152.5°	727.7	754.6	775.1	795.5	804.5	812.2	825.0	837.8	845.5	846.8
155°	698.2	722.5	743.0	759.7	767.4	775.1	785.3	796.8	803.2	804.5
157.5°	667.4	690.5	708.4	723.8	731.5	737.9	746.9	757.1	761.0	763.5
160°	634.1	653.3	668.7	684.1	690.5	696.9	705.9	713.6	718.7	720.0
162.5°	598.3	614.9	627.7	641.8	645.7	650.8	659.8	667.4	671.3	672.6
165°	561.1	576.5	588.0	599.5	602.1	605.9	612.4	620.0	622.6	625.2
167.5°	524.0	536.8	544.5	554.7	558.5	561.1	567.5	572.6	575.2	576.5
170°	488.1	497.1	503.5	511.1	512.4	516.3	520.1	525.2	526.5	526.5
172.5°	459.9	463.7	467.6	470.2	471.4	472.7	475.3	476.6	476.6	476.6
175°	442.0	444.5	444.5	445.8	445.8	445.8	445.8	445.8	445.8	445.8
177.5°	431.7	431.7	431.7	430.4	430.4	430.4	430.4	429.2	429.2	429.2
180°	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2	429.2

(END OF REPORT)