

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: P395718

Luminaire Tested: **I3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395718  
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-40L92765-1D-UNV-W2A-W-4 (6500K)  
Description: CORELITE I3, OPEN TOP  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3832.0 lumens  
Efficiency: N/A  
Efficacy: 131.2 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

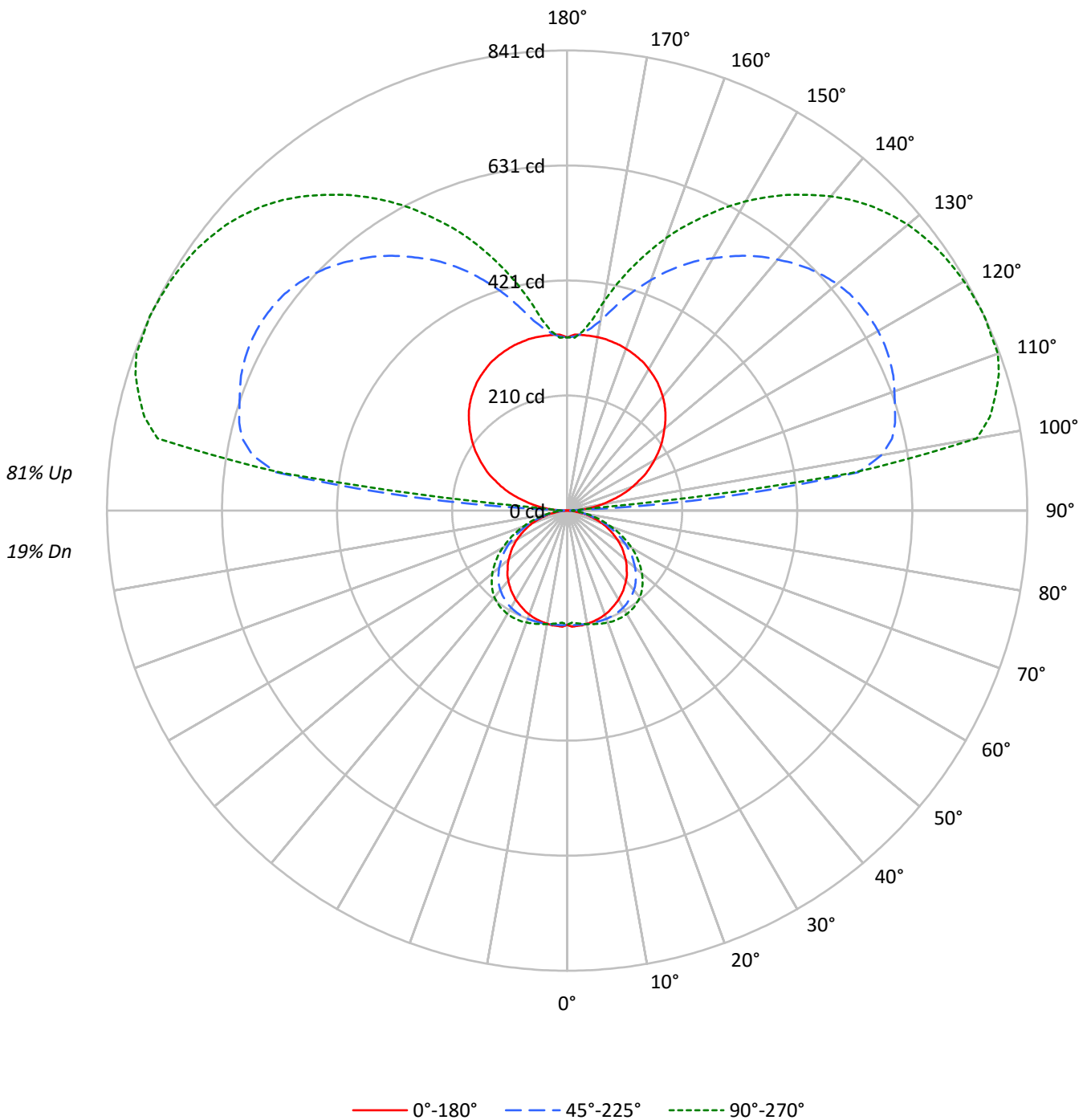
Input Watts (W): 29.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395718

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395718

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**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°	1147	1147	1147
5°	1163	1131	1109
10°	1162	1123	1110
15°	1164	1119	1120
20°	1164	1123	1133
25°	1163	1126	1150
30°	1164	1127	1161
35°	1163	1122	1166
40°	1158	1113	1160
45°	1147	1090	1134
50°	1138	1055	1092
55°	1117	1004	1030
60°	1083	931	948
65°	1036	829	845
70°	978	719	713
75°	849	564	572
80°	673	405	414
85°	399	236	273



TEST NUMBER: P395718

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.0	0.5
10°-20°	59.5	1.6
20°-30°	95.8	2.5
30°-40°	123.3	3.2
40°-50°	135.4	3.5
50°-60°	127.3	3.3
60°-70°	98.9	2.6
70°-80°	56.7	1.5
80°-90°	18.2	0.5
90°-100°	245.0	6.4
100°-110°	582.1	15.2
110°-120°	584.8	15.3
120°-130°	536.3	14.0
130°-140°	448.4	11.7
140°-150°	336.6	8.8
150°-160°	219.1	5.7
160°-170°	112.8	2.9
170°-180°	31.9	0.8
0°-30°	175.3	4.6
0°-40°	298.6	7.8
0°-60°	561.3	14.6
0°-90°	735.1	19.2
90°-120°	1411.8	36.8
90°-150°	2733.1	71.3
90°-180°	3097.0	80.8
0°-180°	3832.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	209	209	209	209	209	
5°	212	210	210	209	207	20
15°	207	206	211	213	214	58
25°	196	197	209	216	219	90
35°	178	183	198	211	214	112
45°	154	162	178	191	194	119
55°	124	130	144	155	159	110
65°	87	92	100	109	111	86
75°	46	48	53	59	60	49
85°	9	11	15	20	21	11
90°	1	3	6	8	9	3
95°	33	274	281	38	32	33
105°	95	367	620	765	810	101
115°	158	414	651	791	841	155
125°	210	432	654	784	829	187
135°	254	430	625	743	787	196
145°	287	412	568	668	704	179
155°	308	378	494	566	593	142
165°	319	341	400	444	461	90
175°	322	321	325	329	329	31
180°	316	316	316	316	316	



TEST NUMBER: P395718

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7
2.5°	212.5	211.5	210.6	210.6	209.7	209.7	209.7	208.7	208.7	208.7	209.7
5°	211.5	211.5	210.6	209.7	209.7	209.7	208.7	208.7	208.7	208.7	209.7
7.5°	211.5	210.6	209.7	209.7	208.7	208.7	208.7	208.7	208.7	208.7	209.7
10°	209.7	209.7	208.7	208.7	207.8	208.7	208.7	208.7	208.7	208.7	210.6
12.5°	208.7	208.7	207.8	206.8	206.8	206.8	207.8	207.8	207.8	208.7	210.6
15°	206.8	206.8	205.9	205.9	205.9	205.9	206.8	206.8	207.8	208.7	210.6
17.5°	204.9	204.9	204.0	204.0	204.0	204.9	204.9	205.9	206.8	208.7	210.6
20°	202.1	202.1	202.1	202.1	202.1	203.0	203.0	204.0	205.9	207.8	210.6
22.5°	199.3	199.3	199.3	199.3	199.3	200.2	201.2	203.0	204.0	206.8	209.7
25°	195.5	195.5	195.5	195.5	196.4	197.4	198.3	200.2	202.1	204.9	208.7
27.5°	191.7	192.7	192.7	192.7	193.6	194.5	195.5	197.4	200.2	204.0	206.8
30°	187.9	187.9	187.9	188.9	189.8	190.8	192.7	194.5	197.4	201.2	204.9
32.5°	183.2	183.2	184.2	184.2	186.0	187.0	188.9	191.7	194.5	198.3	202.1
35°	178.5	178.5	178.5	180.4	181.3	183.2	184.2	187.0	190.8	194.5	198.3
37.5°	172.8	173.8	173.8	174.7	176.6	178.5	179.4	183.2	187.0	190.8	194.5
40°	167.2	168.1	168.1	169.0	171.9	172.8	174.7	178.5	181.3	186.0	189.8
42.5°	161.5	161.5	162.4	163.4	166.2	167.2	169.0	172.8	176.6	180.4	184.2
45°	153.9	154.9	155.8	156.8	159.6	161.5	163.4	166.2	170.0	173.8	177.5
47.5°	147.3	147.3	148.3	150.2	153.0	154.9	155.8	159.6	162.4	166.2	170.0
50°	139.8	140.7	140.7	142.6	145.4	147.3	148.3	152.0	154.9	158.7	162.4
52.5°	131.3	132.2	133.2	135.0	137.9	139.8	140.7	143.5	146.4	150.2	153.0
55°	123.7	124.7	124.7	126.5	129.4	130.3	132.2	134.1	137.9	140.7	144.5
57.5°	115.2	116.2	116.2	118.0	119.9	121.8	122.8	125.6	128.4	131.3	134.1
60°	105.8	106.7	107.7	108.6	110.5	112.4	113.3	115.2	118.0	120.9	123.7
62.5°	96.3	97.3	98.2	99.2	101.0	102.0	102.9	105.8	107.7	110.5	112.4
65°	86.9	87.8	88.8	89.7	90.7	91.6	92.5	94.4	96.3	99.2	100.1
67.5°	77.4	78.4	78.4	79.3	80.3	81.2	82.2	84.0	85.0	87.8	88.8
70°	68.0	68.0	68.0	68.9	68.9	69.9	70.8	72.7	73.7	75.6	77.4
72.5°	56.7	57.6	57.6	57.6	58.6	59.5	60.4	61.4	62.3	63.3	65.2
75°	46.3	47.2	46.3	47.2	48.2	48.2	49.1	50.1	51.0	51.9	52.9
77.5°	36.8	35.9	36.8	36.8	37.8	37.8	37.8	38.7	40.6	40.6	42.5
80°	26.4	26.4	26.4	26.4	27.4	27.4	28.3	28.3	30.2	31.2	32.1
82.5°	17.0	17.0	17.9	17.9	17.9	18.9	18.9	19.8	20.8	21.7	22.7
85°	9.4	9.4	9.4	10.4	10.4	11.3	11.3	12.3	13.2	14.2	15.1
87.5°	2.8	3.8	4.7	4.7	5.7	5.7	6.6	6.6	8.5	9.4	10.4
90°	0.9	0.9	1.9	1.9	1.9	2.8	2.8	3.8	3.8	4.7	5.7
92.5°	16.1	37.8	78.4	117.1	101.0	94.4	56.7	17.0	15.1	16.1	16.1
95°	33.1	62.3	114.3	185.1	239.9	273.9	296.5	340.0	384.4	376.8	281.4
97.5°	48.2	80.3	137.9	203.0	278.6	317.3	346.6	398.5	455.2	502.4	536.4
100°	63.3	96.3	157.7	225.7	295.6	330.5	364.5	435.4	491.1	538.3	583.6
102.5°	79.3	112.4	175.7	246.5	315.4	349.4	382.5	444.8	507.1	563.8	608.2
105°	95.4	129.4	191.7	264.4	333.4	367.4	399.5	459.0	516.6	569.5	620.5
107.5°	112.4	144.5	205.9	278.6	347.5	381.5	413.6	473.1	528.9	581.7	628.0
110°	127.5	158.7	220.0	291.8	360.8	394.8	426.9	486.4	541.1	591.2	636.5



TEST NUMBER: P395718

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	141.7	171.9	233.3	303.1	371.1	405.1	436.3	495.8	550.6	599.7	645.0
115°	157.7	184.2	246.5	313.5	380.6	413.6	444.8	503.4	558.1	606.3	650.7
117.5°	170.9	196.4	257.8	322.0	388.1	420.2	450.5	509.0	562.8	611.0	654.5
120°	184.2	207.8	268.2	329.6	393.8	425.0	455.2	512.8	566.6	613.8	656.3
122.5°	197.4	219.1	276.7	337.1	398.5	429.7	459.0	515.6	568.5	614.8	656.3
125°	209.7	228.5	284.3	342.8	401.4	431.6	459.9	515.6	567.6	612.9	654.5
127.5°	221.0	238.9	289.9	348.5	403.2	432.5	459.9	513.7	565.7	610.1	650.7
130°	232.3	248.4	295.6	351.3	405.1	431.6	458.0	510.0	561.0	605.3	644.1
132.5°	243.6	258.8	300.3	354.1	406.1	431.6	456.1	506.2	555.3	598.7	635.6
135°	254.0	266.3	305.0	356.0	405.1	429.7	452.4	499.6	546.8	589.3	625.2
137.5°	263.5	273.9	308.8	357.0	404.2	426.9	449.5	492.0	536.4	578.0	612.9
140°	272.0	281.4	310.7	357.0	400.4	423.1	443.9	484.5	525.1	564.7	598.7
142.5°	279.5	288.0	313.5	355.1	396.6	418.4	438.2	476.9	513.7	551.5	584.6
145°	287.1	293.7	315.4	354.1	391.9	411.7	430.6	467.5	503.4	537.4	568.5
147.5°	292.8	299.4	317.3	350.4	386.3	404.2	422.1	457.1	490.1	522.2	550.6
150°	298.4	304.1	318.3	346.6	379.6	395.7	411.7	444.8	476.9	506.2	532.6
152.5°	304.1	307.9	321.1	342.8	372.1	387.2	403.2	432.5	461.8	489.2	514.7
155°	307.9	310.7	322.0	339.0	364.5	377.8	391.0	418.4	444.8	470.3	493.9
157.5°	311.6	314.5	323.0	336.2	356.0	368.3	379.6	403.2	427.8	450.5	472.2
160°	314.5	316.4	323.0	334.3	348.5	357.0	367.4	389.1	409.9	429.7	448.6
162.5°	317.3	318.3	323.0	331.5	341.9	347.5	355.1	372.1	391.0	408.0	425.0
165°	319.2	320.1	323.0	329.6	336.2	340.9	344.7	357.0	371.1	386.3	400.4
167.5°	321.1	321.1	323.0	327.7	331.5	334.3	337.1	343.8	353.2	364.5	374.9
170°	322.0	322.0	323.0	325.8	328.6	329.6	331.5	335.3	340.0	345.6	352.3
172.5°	322.0	322.0	322.0	323.9	324.9	324.9	324.9	326.8	329.6	333.4	336.2
175°	322.0	321.1	321.1	322.0	321.1	321.1	321.1	321.1	322.0	323.9	324.9
177.5°	322.0	321.1	320.1	320.1	319.2	319.2	318.3	318.3	318.3	318.3	318.3
180°	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4



TEST NUMBER: P395718

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7	208.7
2.5°	209.7	209.7	208.7	207.8	207.8	207.8	206.8	205.9	204.9	204.9
5°	209.7	209.7	208.7	208.7	208.7	208.7	207.8	207.8	206.8	206.8
7.5°	210.6	209.7	209.7	209.7	209.7	209.7	209.7	209.7	208.7	208.7
10°	210.6	210.6	210.6	210.6	210.6	210.6	210.6	210.6	210.6	210.6
12.5°	211.5	211.5	211.5	211.5	212.5	212.5	212.5	212.5	212.5	212.5
15°	211.5	212.5	213.4	213.4	213.4	214.4	214.4	214.4	214.4	214.4
17.5°	212.5	213.4	214.4	214.4	215.3	215.3	216.3	216.3	216.3	216.3
20°	212.5	213.4	214.4	215.3	216.3	216.3	217.2	218.2	218.2	217.2
22.5°	211.5	213.4	214.4	215.3	216.3	217.2	218.2	219.1	219.1	219.1
25°	210.6	212.5	214.4	216.3	216.3	217.2	219.1	219.1	219.1	219.1
27.5°	209.7	211.5	213.4	215.3	216.3	217.2	218.2	219.1	219.1	219.1
30°	207.8	210.6	212.5	214.4	215.3	216.3	217.2	218.2	218.2	218.2
32.5°	204.9	207.8	209.7	212.5	213.4	214.4	215.3	216.3	216.3	216.3
35°	202.1	204.9	206.8	209.7	210.6	211.5	213.4	213.4	214.4	214.4
37.5°	197.4	201.2	203.0	205.9	206.8	207.8	209.7	210.6	210.6	210.6
40°	192.7	196.4	198.3	201.2	202.1	203.0	204.9	205.9	206.8	206.8
42.5°	187.0	190.8	192.7	195.5	196.4	197.4	199.3	200.2	201.2	201.2
45°	181.3	184.2	186.0	188.9	190.8	190.8	192.7	193.6	194.5	194.5
47.5°	173.8	176.6	178.5	181.3	183.2	184.2	185.1	186.0	187.0	187.0
50°	165.3	168.1	170.9	172.8	174.7	174.7	176.6	177.5	178.5	178.5
52.5°	156.8	158.7	161.5	164.3	165.3	166.2	167.2	168.1	169.0	169.0
55°	147.3	149.2	152.0	153.9	154.9	155.8	156.8	157.7	158.7	158.7
57.5°	136.9	138.8	141.7	143.5	144.5	145.4	146.4	147.3	148.3	148.3
60°	125.6	127.5	130.3	132.2	133.2	133.2	135.0	136.0	136.0	136.0
62.5°	114.3	116.2	118.0	119.9	120.9	121.8	122.8	123.7	123.7	123.7
65°	102.9	104.8	106.7	107.7	108.6	108.6	109.5	110.5	111.4	111.4
67.5°	90.7	92.5	94.4	95.4	96.3	96.3	97.3	98.2	98.2	98.2
70°	78.4	79.3	81.2	82.2	83.1	83.1	85.0	85.0	85.0	85.0
72.5°	66.1	67.1	68.9	69.9	70.8	70.8	71.8	72.7	72.7	72.7
75°	54.8	55.7	56.7	58.6	58.6	58.6	59.5	60.4	60.4	60.4
77.5°	43.4	44.4	45.3	46.3	47.2	47.2	48.2	49.1	49.1	49.1
80°	33.1	34.0	34.9	35.9	35.9	36.8	36.8	37.8	37.8	37.8
82.5°	23.6	24.6	25.5	26.4	27.4	27.4	28.3	29.3	29.3	28.3
85°	16.1	17.9	18.9	19.8	19.8	19.8	20.8	21.7	21.7	20.8
87.5°	11.3	11.3	12.3	13.2	13.2	14.2	14.2	15.1	15.1	15.1
90°	6.6	6.6	7.6	7.6	8.5	8.5	8.5	9.4	9.4	9.4
92.5°	16.1	16.1	17.0	17.0	17.0	17.0	17.9	17.9	17.9	17.9
95°	171.9	77.4	65.2	39.7	37.8	33.1	32.1	33.1	33.1	32.1
97.5°	577.0	617.6	643.1	655.4	640.3	624.2	606.3	603.5	578.9	524.1
100°	622.3	654.5	685.6	707.3	715.8	723.4	740.4	750.8	755.5	760.2
102.5°	645.0	679.0	706.4	733.8	745.1	755.5	770.6	782.9	787.6	791.4
105°	664.8	699.8	730.0	754.6	764.9	774.4	789.5	800.8	809.3	810.3
107.5°	669.6	706.4	740.4	770.6	782.9	793.3	811.2	819.7	827.3	827.3
110°	678.1	713.0	744.2	771.6	783.8	796.1	815.0	828.2	835.8	837.7





TEST NUMBER: P395718

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	684.7	720.6	749.8	777.2	787.6	798.9	816.9	829.2	835.8	838.6
115°	690.3	725.3	754.6	780.1	791.4	802.7	820.7	831.1	838.6	841.4
117.5°	694.1	728.1	757.4	781.0	793.3	802.7	819.7	831.1	838.6	839.6
120°	695.1	729.1	757.4	781.0	791.4	801.8	818.8	830.1	837.7	837.7
122.5°	695.1	728.1	756.4	779.1	788.6	798.0	814.1	827.3	833.9	833.9
125°	691.3	724.3	751.7	774.4	783.8	792.3	809.3	821.6	828.2	829.2
127.5°	685.6	717.7	745.1	767.8	777.2	784.8	802.7	814.1	820.7	821.6
130°	678.1	710.2	736.6	758.3	767.8	776.3	791.4	803.7	811.2	813.1
132.5°	669.6	699.8	726.2	747.0	756.4	764.0	779.1	791.4	798.0	800.8
135°	659.2	687.5	713.0	733.8	743.2	750.8	764.9	777.2	783.8	786.7
137.5°	646.0	673.3	697.9	718.7	727.2	734.7	748.9	760.2	765.9	769.7
140°	630.8	656.3	681.8	700.7	709.2	716.8	729.1	741.3	747.0	749.8
142.5°	614.8	640.3	663.0	681.8	689.4	697.0	709.2	720.6	726.2	727.2
145°	597.8	622.3	643.1	661.1	667.7	675.2	686.6	697.9	703.6	704.5
147.5°	578.9	601.6	621.4	638.4	646.0	651.6	662.0	672.4	678.1	679.0
150°	557.2	578.0	595.9	612.9	619.5	625.2	636.5	646.0	651.6	652.6
152.5°	536.4	556.2	571.3	586.5	593.1	598.7	608.2	617.6	623.3	624.2
155°	514.7	532.6	547.7	560.0	565.7	571.3	578.9	587.4	592.1	593.1
157.5°	492.0	509.0	522.2	533.6	539.2	544.0	550.6	558.1	561.0	562.8
160°	467.5	481.6	493.0	504.3	509.0	513.7	520.4	526.0	529.8	530.7
162.5°	441.0	453.3	462.7	473.1	476.0	479.7	486.4	492.0	494.9	495.8
165°	413.6	425.0	433.5	442.0	443.9	446.7	451.4	457.1	459.0	460.9
167.5°	386.3	395.7	401.4	408.9	411.7	413.6	418.4	422.1	424.0	425.0
170°	359.8	366.4	371.1	376.8	377.8	380.6	383.4	387.2	388.1	388.1
172.5°	339.0	341.9	344.7	346.6	347.5	348.5	350.4	351.3	351.3	351.3
175°	325.8	327.7	327.7	328.6	328.6	328.6	328.6	328.6	328.6	328.6
177.5°	318.3	318.3	318.3	317.3	317.3	317.3	317.3	316.4	316.4	316.4
180°	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4

(END OF REPORT)