

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: P395717

Luminaire Tested: **I3-UL-40L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395717  
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 (5700K)  
Description: CORELITE I3, OPEN TOP  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3807.7 lumens  
Efficiency: N/A  
Efficacy: 132.7 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

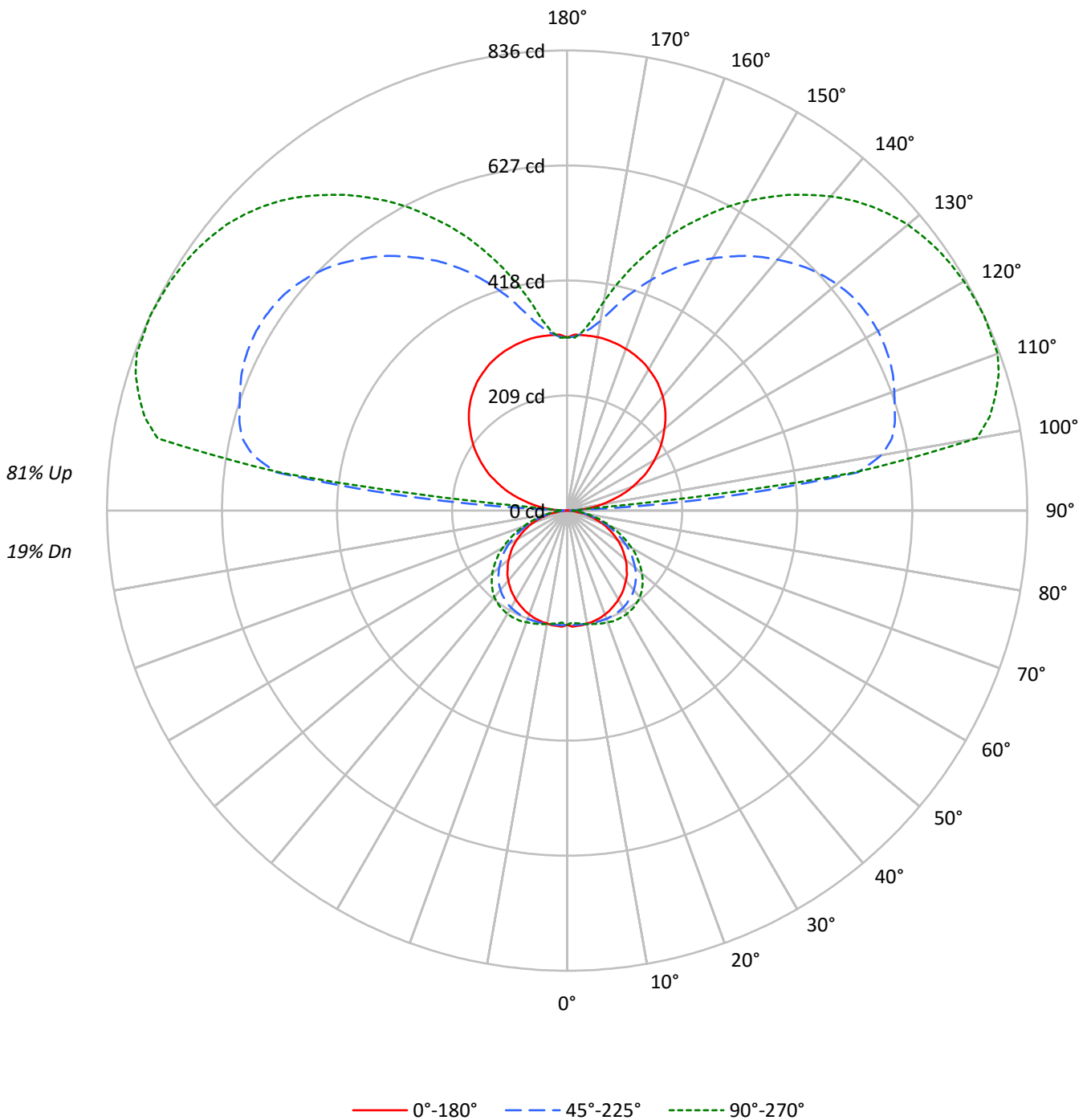
Input Watts (W): 28.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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°	1140	1140	1140
5°	1155	1123	1102
10°	1154	1116	1103
15°	1156	1112	1113
20°	1157	1116	1126
25°	1155	1119	1143
30°	1157	1120	1154
35°	1156	1115	1159
40°	1151	1106	1152
45°	1141	1083	1127
50°	1130	1048	1086
55°	1110	997	1024
60°	1076	925	942
65°	1029	824	840
70°	973	714	709
75°	843	561	569
80°	671	403	411
85°	399	234	270



TEST NUMBER: P395717

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.9	0.5
10°-20°	59.2	1.6
20°-30°	95.2	2.5
30°-40°	122.5	3.2
40°-50°	134.6	3.5
50°-60°	126.5	3.3
60°-70°	98.2	2.6
70°-80°	56.4	1.5
80°-90°	18.1	0.5
90°-100°	243.4	6.4
100°-110°	578.4	15.2
110°-120°	581.1	15.3
120°-130°	532.9	14.0
130°-140°	445.6	11.7
140°-150°	334.4	8.8
150°-160°	217.7	5.7
160°-170°	112.1	2.9
170°-180°	31.7	0.8
0°-30°	174.2	4.6
0°-40°	296.7	7.8
0°-60°	557.7	14.6
0°-90°	730.4	19.2
90°-120°	1402.9	36.8
90°-150°	2715.8	71.3
90°-180°	3077.0	80.8
0°-180°	3807.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	207	207	207	207	207	
5°	210	208	208	207	206	20
15°	206	205	209	212	213	58
25°	194	196	207	215	218	90
35°	177	182	197	209	213	111
45°	153	160	176	190	193	118
55°	123	130	144	154	158	110
65°	86	91	100	108	111	85
75°	46	48	53	58	60	49
85°	9	11	15	20	21	11
90°	1	3	6	8	9	3
95°	33	272	280	38	32	33
105°	95	365	616	760	805	100
115°	157	411	647	786	836	154
125°	208	429	650	779	824	186
135°	252	427	621	738	782	195
145°	285	409	565	664	700	178
155°	306	375	491	562	589	141
165°	317	339	398	441	458	90
175°	320	319	323	327	327	31
180°	314	314	314	314	314	



TEST NUMBER: P395717

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4
2.5°	211.1	210.2	209.3	209.3	208.3	208.3	208.3	207.4	207.4	207.4	208.3
5°	210.2	210.2	209.3	208.3	208.3	208.3	207.4	207.4	207.4	207.4	208.3
7.5°	210.2	209.3	208.3	208.3	207.4	207.4	207.4	207.4	207.4	207.4	208.3
10°	208.3	208.3	207.4	207.4	206.4	207.4	207.4	207.4	207.4	207.4	209.3
12.5°	207.4	207.4	206.4	205.5	205.5	205.5	206.4	206.4	206.4	207.4	209.3
15°	205.5	205.5	204.6	204.6	204.6	204.6	205.5	205.5	206.4	207.4	209.3
17.5°	203.6	203.6	202.7	202.7	202.7	203.6	203.6	204.6	205.5	207.4	209.3
20°	200.8	200.8	200.8	200.8	200.8	201.8	201.8	202.7	204.6	206.4	209.3
22.5°	198.0	198.0	198.0	198.0	198.0	198.9	199.9	201.8	202.7	205.5	208.3
25°	194.3	194.3	194.3	194.3	195.2	196.1	197.1	198.9	200.8	203.6	207.4
27.5°	190.5	191.4	191.4	191.4	192.4	193.3	194.3	196.1	198.9	202.7	205.5
30°	186.7	186.7	186.7	187.7	188.6	189.6	191.4	193.3	196.1	199.9	203.6
32.5°	182.1	182.1	183.0	183.0	184.9	185.8	187.7	190.5	193.3	197.1	200.8
35°	177.4	177.4	177.4	179.2	180.2	182.1	183.0	185.8	189.6	193.3	197.1
37.5°	171.7	172.7	172.7	173.6	175.5	177.4	178.3	182.1	185.8	189.6	193.3
40°	166.1	167.0	167.0	168.0	170.8	171.7	173.6	177.4	180.2	184.9	188.6
42.5°	160.5	160.5	161.4	162.3	165.2	166.1	168.0	171.7	175.5	179.2	183.0
45°	153.0	153.9	154.8	155.8	158.6	160.5	162.3	165.2	168.9	172.7	176.4
47.5°	146.4	146.4	147.3	149.2	152.0	153.9	154.8	158.6	161.4	165.2	168.9
50°	138.9	139.8	139.8	141.7	144.5	146.4	147.3	151.1	153.9	157.7	161.4
52.5°	130.4	131.4	132.3	134.2	137.0	138.9	139.8	142.6	145.5	149.2	152.0
55°	122.9	123.9	123.9	125.7	128.6	129.5	131.4	133.3	137.0	139.8	143.6
57.5°	114.5	115.4	115.4	117.3	119.2	121.1	122.0	124.8	127.6	130.4	133.3
60°	105.1	106.0	107.0	107.9	109.8	111.7	112.6	114.5	117.3	120.1	122.9
62.5°	95.7	96.7	97.6	98.5	100.4	101.3	102.3	105.1	107.0	109.8	111.7
65°	86.3	87.3	88.2	89.1	90.1	91.0	92.0	93.8	95.7	98.5	99.5
67.5°	76.9	77.9	77.9	78.8	79.8	80.7	81.6	83.5	84.5	87.3	88.2
70°	67.6	67.6	67.6	68.5	68.5	69.4	70.4	72.3	73.2	75.1	76.9
72.5°	56.3	57.2	57.2	57.2	58.2	59.1	60.1	61.0	61.9	62.9	64.8
75°	46.0	46.9	46.0	46.9	47.9	47.9	48.8	49.7	50.7	51.6	52.6
77.5°	36.6	35.7	36.6	36.6	37.5	37.5	37.5	38.5	40.4	40.4	42.2
80°	26.3	26.3	26.3	26.3	27.2	27.2	28.2	28.2	30.0	31.0	31.9
82.5°	16.9	16.9	17.8	17.8	17.8	18.8	18.8	19.7	20.6	21.6	22.5
85°	9.4	9.4	9.4	10.3	10.3	11.3	11.3	12.2	13.1	14.1	15.0
87.5°	2.8	3.8	4.7	4.7	5.6	5.6	6.6	6.6	8.4	9.4	10.3
90°	0.9	0.9	1.9	1.9	1.9	2.8	2.8	3.8	3.8	4.7	5.6
92.5°	16.0	37.5	77.9	116.4	100.4	93.8	56.3	16.9	15.0	16.0	16.0
95°	32.8	61.9	113.5	183.9	238.4	272.1	294.7	337.8	381.9	374.4	279.6
97.5°	47.9	79.8	137.0	201.8	276.8	315.3	344.4	396.0	452.3	499.2	533.0
100°	62.9	95.7	156.7	224.3	293.7	328.4	362.2	432.6	488.0	534.9	579.9
102.5°	78.8	111.7	174.5	244.9	313.4	347.2	380.1	442.0	503.9	560.2	604.3
105°	94.8	128.6	190.5	262.8	331.3	365.0	396.9	456.1	513.3	565.9	616.5
107.5°	111.7	143.6	204.6	276.8	345.3	379.1	411.0	470.1	525.5	578.1	624.0
110°	126.7	157.7	218.6	290.0	358.5	392.3	424.2	483.3	537.7	587.4	632.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	140.8	170.8	231.8	301.2	368.8	402.6	433.5	492.7	547.1	595.9	640.9
115°	156.7	183.0	244.9	311.6	378.2	411.0	442.0	500.2	554.6	602.5	646.6
117.5°	169.9	195.2	256.2	320.0	385.7	417.6	447.6	505.8	559.3	607.1	650.3
120°	183.0	206.4	266.5	327.5	391.3	422.3	452.3	509.6	563.0	610.0	652.2
122.5°	196.1	217.7	275.0	335.0	396.0	427.0	456.1	512.4	564.9	610.9	652.2
125°	208.3	227.1	282.5	340.6	398.8	428.9	457.0	512.4	564.0	609.0	650.3
127.5°	219.6	237.4	288.1	346.3	400.7	429.8	457.0	510.5	562.1	606.2	646.6
130°	230.8	246.8	293.7	349.1	402.6	428.9	455.1	506.7	557.4	601.5	640.0
132.5°	242.1	257.1	298.4	351.9	403.5	428.9	453.3	503.0	551.8	595.0	631.5
135°	252.4	264.6	303.1	353.8	402.6	427.0	449.5	496.4	543.3	585.6	621.2
137.5°	261.8	272.1	306.9	354.7	401.6	424.2	446.7	488.9	533.0	574.3	609.0
140°	270.3	279.6	308.7	354.7	397.9	420.4	441.1	481.4	521.8	561.2	595.0
142.5°	277.8	286.2	311.6	352.8	394.1	415.7	435.4	473.9	510.5	548.0	580.9
145°	285.3	291.8	313.4	351.9	389.4	409.1	427.9	464.5	500.2	534.0	564.9
147.5°	290.9	297.5	315.3	348.1	383.8	401.6	419.5	454.2	487.0	518.9	547.1
150°	296.5	302.2	316.2	344.4	377.2	393.2	409.1	442.0	473.9	503.0	529.3
152.5°	302.2	305.9	319.1	340.6	369.7	384.7	400.7	429.8	458.9	486.1	511.4
155°	305.9	308.7	320.0	336.9	362.2	375.4	388.5	415.7	442.0	467.3	490.8
157.5°	309.7	312.5	320.9	334.1	353.8	366.0	377.2	400.7	425.1	447.6	469.2
160°	312.5	314.4	320.9	332.2	346.3	354.7	365.0	386.6	407.3	427.0	445.7
162.5°	315.3	316.2	320.9	329.4	339.7	345.3	352.8	369.7	388.5	405.4	422.3
165°	317.2	318.1	320.9	327.5	334.1	338.8	342.5	354.7	368.8	383.8	397.9
167.5°	319.1	319.1	320.9	325.6	329.4	332.2	335.0	341.6	351.0	362.2	372.5
170°	320.0	320.0	320.9	323.8	326.6	327.5	329.4	333.1	337.8	343.5	350.0
172.5°	320.0	320.0	320.0	321.9	322.8	322.8	322.8	324.7	327.5	331.3	334.1
175°	320.0	319.1	319.1	320.0	319.1	319.1	319.1	319.1	320.0	321.9	322.8
177.5°	320.0	319.1	318.1	318.1	317.2	317.2	316.2	316.2	316.2	316.2	316.2
180°	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4	207.4
2.5°	208.3	208.3	207.4	206.4	206.4	206.4	205.5	204.6	203.6	203.6
5°	208.3	208.3	207.4	207.4	207.4	207.4	206.4	206.4	205.5	205.5
7.5°	209.3	208.3	208.3	208.3	208.3	208.3	208.3	208.3	207.4	207.4
10°	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3	209.3
12.5°	210.2	210.2	210.2	210.2	211.1	211.1	211.1	211.1	211.1	211.1
15°	210.2	211.1	212.1	212.1	212.1	213.0	213.0	213.0	213.0	213.0
17.5°	211.1	212.1	213.0	213.0	214.0	214.0	214.9	214.9	214.9	214.9
20°	211.1	212.1	213.0	214.0	214.9	214.9	215.8	216.8	216.8	215.8
22.5°	210.2	212.1	213.0	214.0	214.9	215.8	216.8	217.7	217.7	217.7
25°	209.3	211.1	213.0	214.9	214.9	215.8	217.7	217.7	217.7	217.7
27.5°	208.3	210.2	212.1	214.0	214.9	215.8	216.8	217.7	217.7	217.7
30°	206.4	209.3	211.1	213.0	214.0	214.9	215.8	216.8	216.8	216.8
32.5°	203.6	206.4	208.3	211.1	212.1	213.0	214.0	214.9	214.9	214.9
35°	200.8	203.6	205.5	208.3	209.3	210.2	212.1	212.1	213.0	213.0
37.5°	196.1	199.9	201.8	204.6	205.5	206.4	208.3	209.3	209.3	209.3
40°	191.4	195.2	197.1	199.9	200.8	201.8	203.6	204.6	205.5	205.5
42.5°	185.8	189.6	191.4	194.3	195.2	196.1	198.0	198.9	199.9	199.9
45°	180.2	183.0	184.9	187.7	189.6	189.6	191.4	192.4	193.3	193.3
47.5°	172.7	175.5	177.4	180.2	182.1	183.0	183.9	184.9	185.8	185.8
50°	164.2	167.0	169.9	171.7	173.6	173.6	175.5	176.4	177.4	177.4
52.5°	155.8	157.7	160.5	163.3	164.2	165.2	166.1	167.0	168.0	168.0
55°	146.4	148.3	151.1	153.0	153.9	154.8	155.8	156.7	157.7	157.7
57.5°	136.1	137.9	140.8	142.6	143.6	144.5	145.5	146.4	147.3	147.3
60°	124.8	126.7	129.5	131.4	132.3	132.3	134.2	135.1	135.1	135.1
62.5°	113.5	115.4	117.3	119.2	120.1	121.1	122.0	122.9	122.9	122.9
65°	102.3	104.2	106.0	107.0	107.9	107.9	108.9	109.8	110.7	110.7
67.5°	90.1	92.0	93.8	94.8	95.7	95.7	96.7	97.6	97.6	97.6
70°	77.9	78.8	80.7	81.6	82.6	82.6	84.5	84.5	84.5	84.5
72.5°	65.7	66.6	68.5	69.4	70.4	70.4	71.3	72.3	72.3	72.3
75°	54.4	55.4	56.3	58.2	58.2	58.2	59.1	60.1	60.1	60.1
77.5°	43.2	44.1	45.0	46.0	46.9	46.9	47.9	48.8	48.8	48.8
80°	32.8	33.8	34.7	35.7	35.7	36.6	36.6	37.5	37.5	37.5
82.5°	23.5	24.4	25.3	26.3	27.2	27.2	28.2	29.1	29.1	28.2
85°	16.0	17.8	18.8	19.7	19.7	19.7	20.6	21.6	21.6	20.6
87.5°	11.3	11.3	12.2	13.1	13.1	14.1	14.1	15.0	15.0	15.0
90°	6.6	6.6	7.5	7.5	8.4	8.4	8.4	9.4	9.4	9.4
92.5°	16.0	16.0	16.9	16.9	16.9	16.9	17.8	17.8	17.8	17.8
95°	170.8	76.9	64.8	39.4	37.5	32.8	31.9	32.8	32.8	31.9
97.5°	573.4	613.7	639.1	651.3	636.2	620.3	602.5	599.6	575.2	520.8
100°	618.4	650.3	681.3	702.9	711.3	718.8	735.7	746.0	750.7	755.4
102.5°	640.9	674.7	701.9	729.1	740.4	750.7	765.7	777.9	782.6	786.4
105°	660.6	695.4	725.4	749.8	760.1	769.5	784.5	795.8	804.2	805.2
107.5°	665.3	701.9	735.7	765.7	777.9	788.3	806.1	814.5	822.0	822.0
110°	673.8	708.5	739.5	766.7	778.9	791.1	809.8	823.0	830.5	832.4





TEST NUMBER: P395717

CATALOG NUMBER: I3-UL-40L92765-1D-UNV-W2A-W-4 (5700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	680.3	716.0	745.1	772.3	782.6	793.9	811.7	823.9	830.5	833.3
115°	686.0	720.7	749.8	775.1	786.4	797.6	815.5	825.8	833.3	836.1
117.5°	689.7	723.5	752.6	776.1	788.3	797.6	814.5	825.8	833.3	834.2
120°	690.7	724.5	752.6	776.1	786.4	796.7	813.6	824.9	832.4	832.4
122.5°	690.7	723.5	751.7	774.2	783.6	793.0	808.9	822.0	828.6	828.6
125°	686.9	719.8	747.0	769.5	778.9	787.3	804.2	816.4	823.0	823.9
127.5°	681.3	713.2	740.4	762.9	772.3	779.8	797.6	808.9	815.5	816.4
130°	673.8	705.7	732.0	753.5	762.9	771.4	786.4	798.6	806.1	808.0
132.5°	665.3	695.4	721.6	742.3	751.7	759.2	774.2	786.4	793.0	795.8
135°	655.0	683.2	708.5	729.1	738.5	746.0	760.1	772.3	778.9	781.7
137.5°	641.9	669.1	693.5	714.1	722.6	730.1	744.2	755.4	761.0	764.8
140°	626.9	652.2	677.5	696.3	704.7	712.3	724.5	736.7	742.3	745.1
142.5°	610.9	636.2	658.8	677.5	685.0	692.5	704.7	716.0	721.6	722.6
145°	594.0	618.4	639.1	656.9	663.5	671.0	682.2	693.5	699.1	700.1
147.5°	575.2	597.8	617.5	634.4	641.9	647.5	657.8	668.1	673.8	674.7
150°	553.7	574.3	592.1	609.0	615.6	621.2	632.5	641.9	647.5	648.4
152.5°	533.0	552.7	567.7	582.8	589.3	595.0	604.3	613.7	619.3	620.3
155°	511.4	529.3	544.3	556.5	562.1	567.7	575.2	583.7	588.4	589.3
157.5°	488.9	505.8	518.9	530.2	535.8	540.5	547.1	554.6	557.4	559.3
160°	464.5	478.6	489.8	501.1	505.8	510.5	517.1	522.7	526.4	527.4
162.5°	438.2	450.4	459.8	470.1	473.0	476.7	483.3	488.9	491.7	492.7
165°	411.0	422.3	430.7	439.2	441.1	443.9	448.6	454.2	456.1	457.9
167.5°	383.8	393.2	398.8	406.3	409.1	411.0	415.7	419.5	421.3	422.3
170°	357.5	364.1	368.8	374.4	375.4	378.2	381.0	384.7	385.7	385.7
172.5°	336.9	339.7	342.5	344.4	345.3	346.3	348.1	349.1	349.1	349.1
175°	323.8	325.6	325.6	326.6	326.6	326.6	326.6	326.6	326.6	326.6
177.5°	316.2	316.2	316.2	315.3	315.3	315.3	315.3	314.4	314.4	314.4
180°	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4	314.4

(END OF REPORT)