

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: P395737

Luminaire Tested: **I3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395737  
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-50L92765-1D-UNV-W2A-W-4 (2700K)  
Description: CORELITE I3, OPEN TOP  
5000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3952.6 lumens  
Efficiency: N/A  
Efficacy: 111.7 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

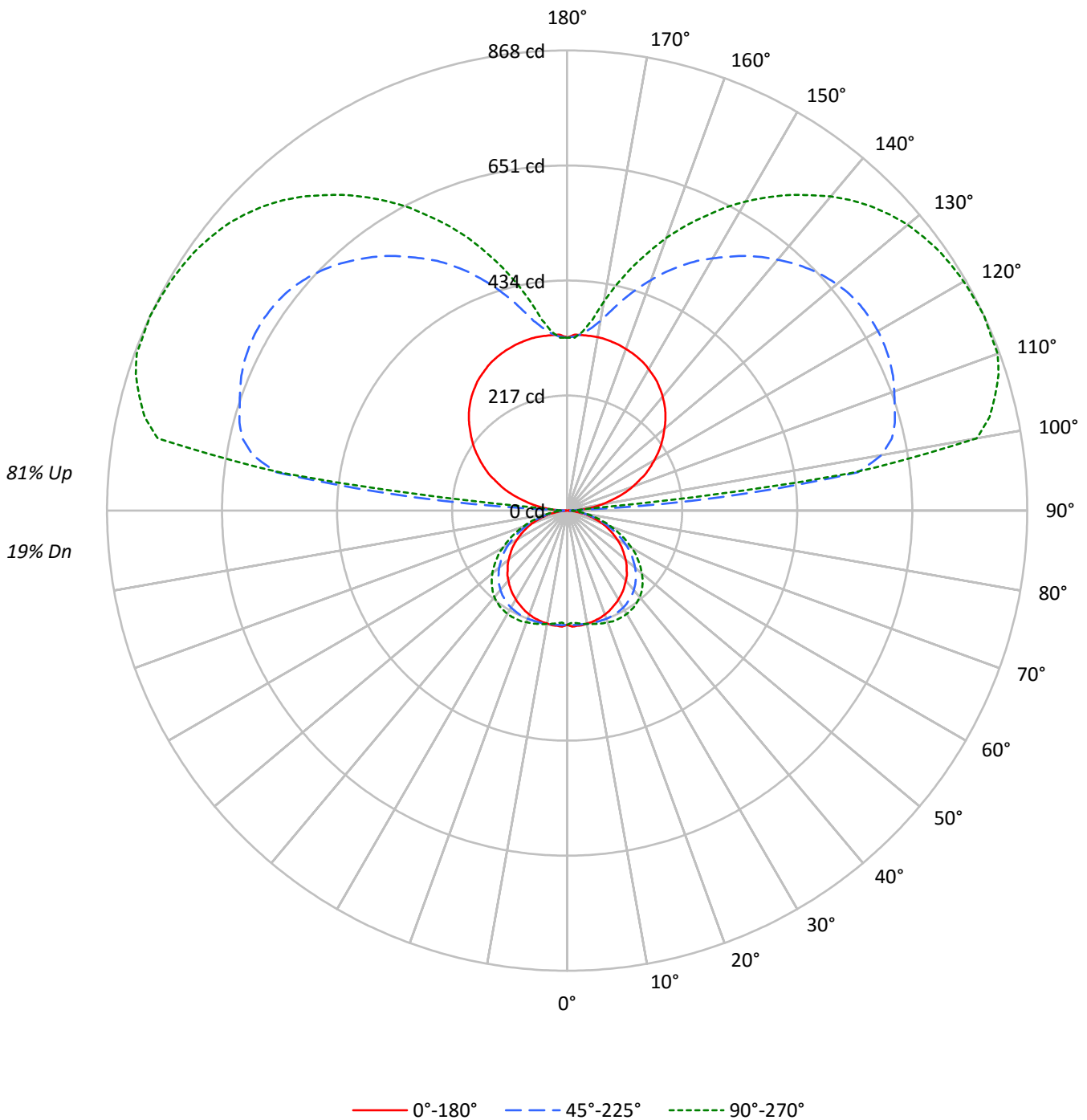
Input Watts (W): 35.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395737

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)

**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°	1183	1183	1183
5°	1199	1166	1144
10°	1198	1158	1145
15°	1200	1154	1155
20°	1201	1158	1168
25°	1199	1162	1186
30°	1201	1163	1198
35°	1200	1157	1203
40°	1194	1149	1196
45°	1184	1124	1170
50°	1174	1088	1127
55°	1153	1035	1063
60°	1117	961	978
65°	1068	856	871
70°	1009	742	736
75°	874	582	590
80°	696	418	427
85°	412	244	281



TEST NUMBER: P395737

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.6	0.5
10°-20°	61.4	1.6
20°-30°	98.8	2.5
30°-40°	127.2	3.2
40°-50°	139.7	3.5
50°-60°	131.3	3.3
60°-70°	102.0	2.6
70°-80°	58.5	1.5
80°-90°	18.8	0.5
90°-100°	252.7	6.4
100°-110°	600.4	15.2
110°-120°	603.2	15.3
120°-130°	553.1	14.0
130°-140°	462.5	11.7
140°-150°	347.2	8.8
150°-160°	226.0	5.7
160°-170°	116.4	2.9
170°-180°	32.9	0.8
0°-30°	180.8	4.6
0°-40°	308.0	7.8
0°-60°	579.0	14.6
0°-90°	758.2	19.2
90°-120°	1456.3	36.8
90°-150°	2819.1	71.3
90°-180°	3194.0	80.8
0°-180°	3952.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	215	215	215	215	215	
5°	218	216	216	215	213	21
15°	213	212	217	220	221	60
25°	202	204	215	223	226	93
35°	184	189	205	217	221	115
45°	159	167	183	197	201	123
55°	128	134	149	160	164	114
65°	90	94	103	112	115	89
75°	48	50	55	60	62	51
85°	10	12	16	20	21	11
90°	1	3	6	9	10	3
95°	34	282	290	39	33	34
105°	98	379	640	789	836	104
115°	163	427	671	816	868	160
125°	216	445	675	808	855	193
135°	262	443	645	767	811	202
145°	296	425	586	689	727	185
155°	318	390	510	584	612	147
165°	329	352	413	458	475	93
175°	332	331	335	339	339	32
180°	326	326	326	326	326	



TEST NUMBER: P395737

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3
2.5°	219.2	218.2	217.2	217.2	216.3	216.3	216.3	215.3	215.3	215.3	216.3
5°	218.2	218.2	217.2	216.3	216.3	216.3	215.3	215.3	215.3	215.3	216.3
7.5°	218.2	217.2	216.3	216.3	215.3	215.3	215.3	215.3	215.3	215.3	216.3
10°	216.3	216.3	215.3	215.3	214.3	215.3	215.3	215.3	215.3	215.3	217.2
12.5°	215.3	215.3	214.3	213.3	213.3	213.3	214.3	214.3	214.3	215.3	217.2
15°	213.3	213.3	212.4	212.4	212.4	212.4	213.3	213.3	214.3	215.3	217.2
17.5°	211.4	211.4	210.4	210.4	210.4	211.4	211.4	212.4	213.3	215.3	217.2
20°	208.5	208.5	208.5	208.5	208.5	209.4	209.4	210.4	212.4	214.3	217.2
22.5°	205.5	205.5	205.5	205.5	205.5	206.5	207.5	209.4	210.4	213.3	216.3
25°	201.6	201.6	201.6	201.6	202.6	203.6	204.6	206.5	208.5	211.4	215.3
27.5°	197.7	198.7	198.7	198.7	199.7	200.7	201.6	203.6	206.5	210.4	213.3
30°	193.8	193.8	193.8	194.8	195.8	196.8	198.7	200.7	203.6	207.5	211.4
32.5°	189.0	189.0	190.0	190.0	191.9	192.9	194.8	197.7	200.7	204.6	208.5
35°	184.1	184.1	184.1	186.1	187.0	189.0	190.0	192.9	196.8	200.7	204.6
37.5°	178.3	179.2	179.2	180.2	182.2	184.1	185.1	189.0	192.9	196.8	200.7
40°	172.4	173.4	173.4	174.4	177.3	178.3	180.2	184.1	187.0	191.9	195.8
42.5°	166.6	166.6	167.5	168.5	171.4	172.4	174.4	178.3	182.2	186.1	190.0
45°	158.8	159.8	160.7	161.7	164.6	166.6	168.5	171.4	175.3	179.2	183.1
47.5°	152.0	152.0	152.9	154.9	157.8	159.8	160.7	164.6	167.5	171.4	175.3
50°	144.2	145.1	145.1	147.1	150.0	152.0	152.9	156.8	159.8	163.7	167.5
52.5°	135.4	136.4	137.4	139.3	142.2	144.2	145.1	148.1	151.0	154.9	157.8
55°	127.6	128.6	128.6	130.5	133.5	134.4	136.4	138.3	142.2	145.1	149.0
57.5°	118.8	119.8	119.8	121.8	123.7	125.7	126.6	129.6	132.5	135.4	138.3
60°	109.1	110.1	111.0	112.0	114.0	115.9	116.9	118.8	121.8	124.7	127.6
62.5°	99.4	100.3	101.3	102.3	104.2	105.2	106.2	109.1	111.0	114.0	115.9
65°	89.6	90.6	91.6	92.5	93.5	94.5	95.5	97.4	99.4	102.3	103.3
67.5°	79.9	80.9	80.9	81.8	82.8	83.8	84.7	86.7	87.7	90.6	91.6
70°	70.1	70.1	70.1	71.1	71.1	72.1	73.1	75.0	76.0	77.9	79.9
72.5°	58.4	59.4	59.4	59.4	60.4	61.4	62.3	63.3	64.3	65.3	67.2
75°	47.7	48.7	47.7	48.7	49.7	49.7	50.7	51.6	52.6	53.6	54.6
77.5°	38.0	37.0	38.0	38.0	39.0	39.0	39.0	39.9	41.9	41.9	43.8
80°	27.3	27.3	27.3	27.3	28.2	28.2	29.2	29.2	31.2	32.1	33.1
82.5°	17.5	17.5	18.5	18.5	18.5	19.5	19.5	20.5	21.4	22.4	23.4
85°	9.7	9.7	9.7	10.7	10.7	11.7	11.7	12.7	13.6	14.6	15.6
87.5°	2.9	3.9	4.9	4.9	5.8	5.8	6.8	6.8	8.8	9.7	10.7
90°	1.0	1.0	1.9	1.9	1.9	2.9	2.9	3.9	3.9	4.9	5.8
92.5°	16.6	39.0	80.9	120.8	104.2	97.4	58.4	17.5	15.6	16.6	16.6
95°	34.1	64.3	117.9	190.9	247.4	282.5	305.9	350.7	396.5	388.7	290.3
97.5°	49.7	82.8	142.2	209.4	287.4	327.3	357.5	411.1	469.5	518.2	553.3
100°	65.3	99.4	162.7	232.8	304.9	340.9	376.0	449.1	506.5	555.2	602.0
102.5°	81.8	115.9	181.2	254.2	325.4	360.4	394.5	458.8	523.1	581.5	627.3
105°	98.4	133.5	197.7	272.8	343.9	378.9	412.1	473.4	532.8	587.4	640.0
107.5°	115.9	149.0	212.4	287.4	358.5	393.5	426.7	488.0	545.5	600.1	647.8
110°	131.5	163.7	227.0	301.0	372.1	407.2	440.3	501.7	558.2	609.8	656.6



TEST NUMBER: P395737

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	146.1	177.3	240.6	312.7	382.8	417.9	450.0	511.4	567.9	618.6	665.3
115°	162.7	190.0	254.2	323.4	392.6	426.7	458.8	519.2	575.7	625.4	671.2
117.5°	176.3	202.6	265.9	332.2	400.4	433.5	464.7	525.0	580.6	630.3	675.1
120°	190.0	214.3	276.6	340.0	406.2	438.4	469.5	528.9	584.5	633.2	677.0
122.5°	203.6	226.0	285.4	347.8	411.1	443.2	473.4	531.9	586.4	634.2	677.0
125°	216.3	235.7	293.2	353.6	414.0	445.2	474.4	531.9	585.4	632.2	675.1
127.5°	227.9	246.5	299.1	359.4	415.9	446.1	474.4	529.9	583.5	629.3	671.2
130°	239.6	256.2	304.9	362.4	417.9	445.2	472.4	526.0	578.6	624.4	664.3
132.5°	251.3	266.9	309.8	365.3	418.9	445.2	470.5	522.1	572.8	617.6	655.6
135°	262.0	274.7	314.6	367.2	417.9	443.2	466.6	515.3	564.0	607.8	644.9
137.5°	271.8	282.5	318.5	368.2	416.9	440.3	463.7	507.5	553.3	596.2	632.2
140°	280.5	290.3	320.5	368.2	413.0	436.4	457.8	499.7	541.6	582.5	617.6
142.5°	288.3	297.1	323.4	366.3	409.1	431.5	452.0	491.9	529.9	568.9	603.0
145°	296.1	303.0	325.4	365.3	404.3	424.7	444.2	482.2	519.2	554.3	586.4
147.5°	302.0	308.8	327.3	361.4	398.4	416.9	435.4	471.5	505.6	538.7	567.9
150°	307.8	313.7	328.3	357.5	391.6	408.2	424.7	458.8	491.9	522.1	549.4
152.5°	313.7	317.6	331.2	353.6	383.8	399.4	415.9	446.1	476.3	504.6	530.9
155°	317.6	320.5	332.2	349.7	376.0	389.6	403.3	431.5	458.8	485.1	509.5
157.5°	321.5	324.4	333.1	346.8	367.2	379.9	391.6	415.9	441.3	464.7	487.1
160°	324.4	326.3	333.1	344.8	359.4	368.2	378.9	401.3	422.8	443.2	462.7
162.5°	327.3	328.3	333.1	341.9	352.6	358.5	366.3	383.8	403.3	420.8	438.4
165°	329.3	330.2	333.1	340.0	346.8	351.7	355.6	368.2	382.8	398.4	413.0
167.5°	331.2	331.2	333.1	338.0	341.9	344.8	347.8	354.6	364.3	376.0	386.7
170°	332.2	332.2	333.1	336.1	339.0	340.0	341.9	345.8	350.7	356.5	363.3
172.5°	332.2	332.2	332.2	334.1	335.1	335.1	335.1	337.0	340.0	343.9	346.8
175°	332.2	331.2	331.2	332.2	331.2	331.2	331.2	331.2	332.2	334.1	335.1
177.5°	332.2	331.2	330.2	330.2	329.3	329.3	328.3	328.3	328.3	328.3	328.3
180°	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3



TEST NUMBER: P395737

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3
2.5°	216.3	216.3	215.3	214.3	214.3	214.3	213.3	212.4	211.4	211.4
5°	216.3	216.3	215.3	215.3	215.3	215.3	214.3	214.3	213.3	213.3
7.5°	217.2	216.3	216.3	216.3	216.3	216.3	216.3	216.3	215.3	215.3
10°	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2	217.2
12.5°	218.2	218.2	218.2	218.2	219.2	219.2	219.2	219.2	219.2	219.2
15°	218.2	219.2	220.2	220.2	220.2	221.1	221.1	221.1	221.1	221.1
17.5°	219.2	220.2	221.1	221.1	222.1	222.1	223.1	223.1	223.1	223.1
20°	219.2	220.2	221.1	222.1	223.1	223.1	224.0	225.0	225.0	224.0
22.5°	218.2	220.2	221.1	222.1	223.1	224.0	225.0	226.0	226.0	226.0
25°	217.2	219.2	221.1	223.1	223.1	224.0	226.0	226.0	226.0	226.0
27.5°	216.3	218.2	220.2	222.1	223.1	224.0	225.0	226.0	226.0	226.0
30°	214.3	217.2	219.2	221.1	222.1	223.1	224.0	225.0	225.0	225.0
32.5°	211.4	214.3	216.3	219.2	220.2	221.1	222.1	223.1	223.1	223.1
35°	208.5	211.4	213.3	216.3	217.2	218.2	220.2	220.2	221.1	221.1
37.5°	203.6	207.5	209.4	212.4	213.3	214.3	216.3	217.2	217.2	217.2
40°	198.7	202.6	204.6	207.5	208.5	209.4	211.4	212.4	213.3	213.3
42.5°	192.9	196.8	198.7	201.6	202.6	203.6	205.5	206.5	207.5	207.5
45°	187.0	190.0	191.9	194.8	196.8	196.8	198.7	199.7	200.7	200.7
47.5°	179.2	182.2	184.1	187.0	189.0	190.0	190.9	191.9	192.9	192.9
50°	170.5	173.4	176.3	178.3	180.2	180.2	182.2	183.1	184.1	184.1
52.5°	161.7	163.7	166.6	169.5	170.5	171.4	172.4	173.4	174.4	174.4
55°	152.0	153.9	156.8	158.8	159.8	160.7	161.7	162.7	163.7	163.7
57.5°	141.2	143.2	146.1	148.1	149.0	150.0	151.0	152.0	152.9	152.9
60°	129.6	131.5	134.4	136.4	137.4	137.4	139.3	140.3	140.3	140.3
62.5°	117.9	119.8	121.8	123.7	124.7	125.7	126.6	127.6	127.6	127.6
65°	106.2	108.1	110.1	111.0	112.0	112.0	113.0	114.0	114.9	114.9
67.5°	93.5	95.5	97.4	98.4	99.4	99.4	100.3	101.3	101.3	101.3
70°	80.9	81.8	83.8	84.7	85.7	85.7	87.7	87.7	87.7	87.7
72.5°	68.2	69.2	71.1	72.1	73.1	73.1	74.0	75.0	75.0	75.0
75°	56.5	57.5	58.4	60.4	60.4	60.4	61.4	62.3	62.3	62.3
77.5°	44.8	45.8	46.8	47.7	48.7	48.7	49.7	50.7	50.7	50.7
80°	34.1	35.1	36.0	37.0	37.0	38.0	38.0	39.0	39.0	39.0
82.5°	24.4	25.3	26.3	27.3	28.2	28.2	29.2	30.2	30.2	29.2
85°	16.6	18.5	19.5	20.5	20.5	20.5	21.4	22.4	22.4	21.4
87.5°	11.7	11.7	12.7	13.6	13.6	14.6	14.6	15.6	15.6	15.6
90°	6.8	6.8	7.8	7.8	8.8	8.8	8.8	9.7	9.7	9.7
92.5°	16.6	16.6	17.5	17.5	17.5	17.5	18.5	18.5	18.5	18.5
95°	177.3	79.9	67.2	40.9	39.0	34.1	33.1	34.1	34.1	33.1
97.5°	595.2	637.1	663.4	676.0	660.5	643.9	625.4	622.5	597.1	540.6
100°	641.9	675.1	707.2	729.6	738.4	746.2	763.7	774.4	779.3	784.2
102.5°	665.3	700.4	728.6	756.9	768.6	779.3	794.9	807.5	812.4	816.3
105°	685.8	721.8	753.0	778.3	789.0	798.8	814.4	826.1	834.8	835.8
107.5°	690.6	728.6	763.7	794.9	807.5	818.3	836.8	845.5	853.3	853.3
110°	699.4	735.5	767.6	795.9	808.5	821.2	840.7	854.3	862.1	864.0





TEST NUMBER: P395737

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	706.2	743.3	773.5	801.7	812.4	824.1	842.6	855.3	862.1	865.0
115°	712.1	748.1	778.3	804.6	816.3	828.0	846.5	857.2	865.0	867.9
117.5°	716.0	751.0	781.2	805.6	818.3	828.0	845.5	857.2	865.0	866.0
120°	717.0	752.0	781.2	805.6	816.3	827.0	844.6	856.3	864.0	864.0
122.5°	717.0	751.0	780.3	803.6	813.4	823.1	839.7	853.3	860.1	860.1
125°	713.1	747.1	775.4	798.8	808.5	817.3	834.8	847.5	854.3	855.3
127.5°	707.2	740.3	768.6	792.0	801.7	809.5	828.0	839.7	846.5	847.5
130°	699.4	732.5	759.8	782.2	792.0	800.7	816.3	829.0	836.8	838.7
132.5°	690.6	721.8	749.1	770.5	780.3	788.1	803.6	816.3	823.1	826.1
135°	679.9	709.2	735.5	756.9	766.6	774.4	789.0	801.7	808.5	811.4
137.5°	666.3	694.5	719.9	741.3	750.1	757.9	772.5	784.2	790.0	793.9
140°	650.7	677.0	703.3	722.8	731.6	739.4	752.0	764.7	770.5	773.5
142.5°	634.2	660.5	683.8	703.3	711.1	718.9	731.6	743.3	749.1	750.1
145°	616.6	641.9	663.4	681.9	688.7	696.5	708.2	719.9	725.7	726.7
147.5°	597.1	620.5	641.0	658.5	666.3	672.1	682.9	693.6	699.4	700.4
150°	574.7	596.2	614.7	632.2	639.0	644.9	656.6	666.3	672.1	673.1
152.5°	553.3	573.8	589.3	604.9	611.7	617.6	627.3	637.1	642.9	643.9
155°	530.9	549.4	565.0	577.7	583.5	589.3	597.1	605.9	610.8	611.7
157.5°	507.5	525.0	538.7	550.4	556.2	561.1	567.9	575.7	578.6	580.6
160°	482.2	496.8	508.5	520.2	525.0	529.9	536.7	542.6	546.5	547.5
162.5°	454.9	467.6	477.3	488.0	491.0	494.9	501.7	507.5	510.4	511.4
165°	426.7	438.4	447.1	455.9	457.8	460.8	465.6	471.5	473.4	475.4
167.5°	398.4	408.2	414.0	421.8	424.7	426.7	431.5	435.4	437.4	438.4
170°	371.1	378.0	382.8	388.7	389.6	392.6	395.5	399.4	400.4	400.4
172.5°	349.7	352.6	355.6	357.5	358.5	359.4	361.4	362.4	362.4	362.4
175°	336.1	338.0	338.0	339.0	339.0	339.0	339.0	339.0	339.0	339.0
177.5°	328.3	328.3	328.3	327.3	327.3	327.3	327.3	326.3	326.3	326.3
180°	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3	326.3

(END OF REPORT)