

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: P395738

Luminaire Tested: **I3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395738  
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 (3000K)  
Description: CORELITE I3, OPEN TOP  
5000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4108.9 lumens  
Efficiency: N/A  
Efficacy: 116.7 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

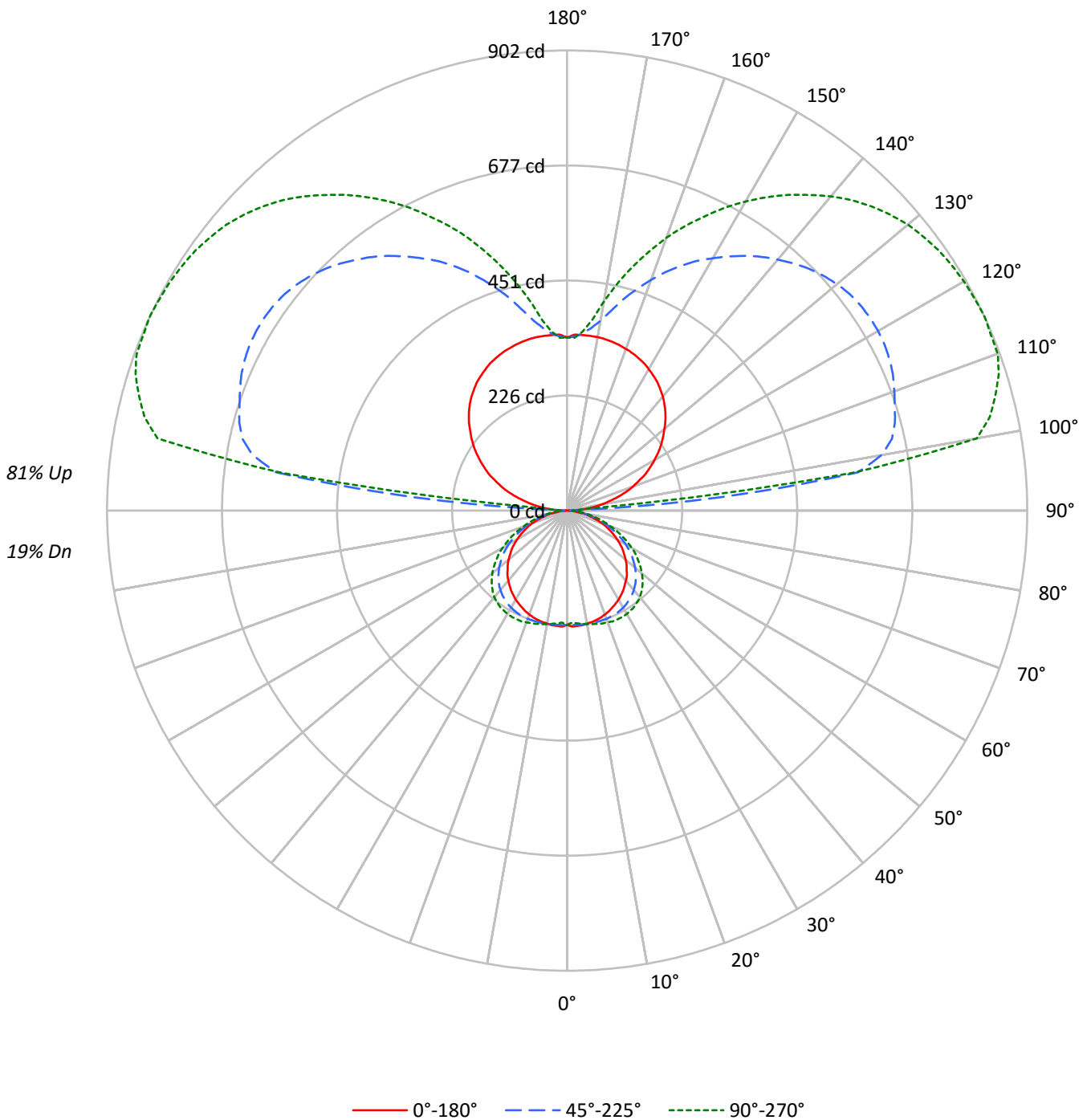
Input Watts (W): 35.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395738

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395738

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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°	1230	1230	1230
5°	1247	1212	1189
10°	1245	1204	1190
15°	1248	1199	1201
20°	1248	1204	1215
25°	1246	1208	1233
30°	1248	1209	1245
35°	1247	1203	1251
40°	1241	1194	1244
45°	1231	1169	1216
50°	1220	1131	1171
55°	1199	1076	1104
60°	1161	999	1016
65°	1111	889	906
70°	1049	771	764
75°	909	604	613
80°	724	434	444
85°	429	253	292



TEST NUMBER: P395738

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	0.5
10°-20°	63.8	1.6
20°-30°	102.7	2.5
30°-40°	132.2	3.2
40°-50°	145.2	3.5
50°-60°	136.5	3.3
60°-70°	106.0	2.6
70°-80°	60.8	1.5
80°-90°	19.5	0.5
90°-100°	262.7	6.4
100°-110°	624.2	15.2
110°-120°	627.0	15.3
120°-130°	575.0	14.0
130°-140°	480.8	11.7
140°-150°	360.9	8.8
150°-160°	234.9	5.7
160°-170°	121.0	2.9
170°-180°	34.2	0.8
0°-30°	188.0	4.6
0°-40°	320.2	7.8
0°-60°	601.8	14.6
0°-90°	788.2	19.2
90°-120°	1513.8	36.8
90°-150°	2930.6	71.3
90°-180°	3321.0	80.8
0°-180°	4108.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	224	224	224	224	224	
5°	227	225	225	224	222	22
15°	222	221	226	229	230	63
25°	210	212	224	232	235	97
35°	191	196	213	226	230	120
45°	165	173	190	205	209	128
55°	133	140	155	166	170	118
65°	93	98	107	116	120	92
75°	50	52	57	63	65	53
85°	10	12	16	21	22	12
90°	1	3	6	9	10	3
95°	35	294	302	40	34	35
105°	102	394	665	820	869	108
115°	169	444	698	849	902	166
125°	225	463	702	840	889	201
135°	272	461	670	797	844	210
145°	308	442	610	716	755	192
155°	330	405	530	607	636	152
165°	342	366	429	476	494	97
175°	345	344	348	352	352	33
180°	339	339	339	339	339	



TEST NUMBER: P395738

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	223.8	223.8	223.8	223.8	223.8	223.8	223.8	223.8	223.8	223.8	223.8
2.5°	227.8	226.8	225.8	225.8	224.8	224.8	224.8	223.8	223.8	223.8	224.8
5°	226.8	226.8	225.8	224.8	224.8	224.8	223.8	223.8	223.8	223.8	224.8
7.5°	226.8	225.8	224.8	224.8	223.8	223.8	223.8	223.8	223.8	223.8	224.8
10°	224.8	224.8	223.8	223.8	222.8	223.8	223.8	223.8	223.8	223.8	225.8
12.5°	223.8	223.8	222.8	221.8	221.8	221.8	222.8	222.8	222.8	223.8	225.8
15°	221.8	221.8	220.8	220.8	220.8	220.8	221.8	221.8	222.8	223.8	225.8
17.5°	219.7	219.7	218.7	218.7	218.7	219.7	219.7	220.8	221.8	223.8	225.8
20°	216.7	216.7	216.7	216.7	216.7	217.7	217.7	218.7	220.8	222.8	225.8
22.5°	213.7	213.7	213.7	213.7	213.7	214.7	215.7	217.7	218.7	221.8	224.8
25°	209.6	209.6	209.6	209.6	210.6	211.6	212.7	214.7	216.7	219.7	223.8
27.5°	205.6	206.6	206.6	206.6	207.6	208.6	209.6	211.6	214.7	218.7	221.8
30°	201.5	201.5	201.5	202.5	203.5	204.6	206.6	208.6	211.6	215.7	219.7
32.5°	196.5	196.5	197.5	197.5	199.5	200.5	202.5	205.6	208.6	212.7	216.7
35°	191.4	191.4	191.4	193.4	194.4	196.5	197.5	200.5	204.6	208.6	212.7
37.5°	185.3	186.3	186.3	187.3	189.4	191.4	192.4	196.5	200.5	204.6	208.6
40°	179.2	180.2	180.2	181.3	184.3	185.3	187.3	191.4	194.4	199.5	203.5
42.5°	173.2	173.2	174.2	175.2	178.2	179.2	181.3	185.3	189.4	193.4	197.5
45°	165.1	166.1	167.1	168.1	171.1	173.2	175.2	178.2	182.3	186.3	190.4
47.5°	158.0	158.0	159.0	161.0	164.0	166.1	167.1	171.1	174.2	178.2	182.3
50°	149.9	150.9	150.9	152.9	155.9	158.0	159.0	163.0	166.1	170.1	174.2
52.5°	140.8	141.8	142.8	144.8	147.8	149.9	150.9	153.9	157.0	161.0	164.0
55°	132.7	133.7	133.7	135.7	138.7	139.7	141.8	143.8	147.8	150.9	154.9
57.5°	123.5	124.6	124.6	126.6	128.6	130.6	131.6	134.7	137.7	140.8	143.8
60°	113.4	114.4	115.4	116.5	118.5	120.5	121.5	123.5	126.6	129.6	132.7
62.5°	103.3	104.3	105.3	106.3	108.4	109.4	110.4	113.4	115.4	118.5	120.5
65°	93.2	94.2	95.2	96.2	97.2	98.2	99.2	101.3	103.3	106.3	107.3
67.5°	83.0	84.0	84.0	85.1	86.1	87.1	88.1	90.1	91.1	94.2	95.2
70°	72.9	72.9	72.9	73.9	73.9	74.9	75.9	78.0	79.0	81.0	83.0
72.5°	60.8	61.8	61.8	61.8	62.8	63.8	64.8	65.8	66.8	67.8	69.9
75°	49.6	50.6	49.6	50.6	51.6	51.6	52.7	53.7	54.7	55.7	56.7
77.5°	39.5	38.5	39.5	39.5	40.5	40.5	40.5	41.5	43.5	43.5	45.6
80°	28.4	28.4	28.4	28.4	29.4	29.4	30.4	30.4	32.4	33.4	34.4
82.5°	18.2	18.2	19.2	19.2	19.2	20.3	20.3	21.3	22.3	23.3	24.3
85°	10.1	10.1	10.1	11.1	11.1	12.2	12.2	13.2	14.2	15.2	16.2
87.5°	3.0	4.1	5.1	5.1	6.1	6.1	7.1	7.1	9.1	10.1	11.1
90°	1.0	1.0	2.0	2.0	2.0	3.0	3.0	4.1	4.1	5.1	6.1
92.5°	17.2	40.5	84.0	125.6	108.4	101.3	60.8	18.2	16.2	17.2	17.2
95°	35.4	66.8	122.5	198.5	257.2	293.7	318.0	364.5	412.1	404.0	301.8
97.5°	51.6	86.1	147.8	217.7	298.7	340.2	371.6	427.3	488.1	538.7	575.2
100°	67.8	103.3	169.1	242.0	317.0	354.4	390.9	466.8	526.6	577.2	625.8
102.5°	85.1	120.5	188.4	264.3	338.2	374.7	410.1	477.0	543.8	604.5	652.1
105°	102.3	138.7	205.6	283.5	357.5	393.9	428.3	492.1	553.9	610.6	665.3
107.5°	120.5	154.9	220.8	298.7	372.6	409.1	443.5	507.3	567.1	623.8	673.4
110°	136.7	170.1	235.9	312.9	386.8	423.3	457.7	521.5	580.2	633.9	682.5



TEST NUMBER: P395738

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	151.9	184.3	250.1	325.1	398.0	434.4	467.8	531.6	590.4	643.0	691.6
115°	169.1	197.5	264.3	336.2	408.1	443.5	477.0	539.7	598.5	650.1	697.7
117.5°	183.3	210.6	276.4	345.3	416.2	450.6	483.0	545.8	603.5	655.2	701.8
120°	197.5	222.8	287.6	353.4	422.3	455.7	488.1	549.9	607.6	658.2	703.8
122.5°	211.6	234.9	296.7	361.5	427.3	460.7	492.1	552.9	609.6	659.2	703.8
125°	224.8	245.1	304.8	367.6	430.4	462.8	493.2	552.9	608.6	657.2	701.8
127.5°	237.0	256.2	310.9	373.7	432.4	463.8	493.2	550.9	606.6	654.2	697.7
130°	249.1	266.3	317.0	376.7	434.4	462.8	491.1	546.8	601.5	649.1	690.6
132.5°	261.3	277.5	322.0	379.7	435.4	462.8	489.1	542.8	595.4	642.0	681.5
135°	272.4	285.6	327.1	381.8	434.4	460.7	485.1	535.7	586.3	631.9	670.4
137.5°	282.5	293.7	331.1	382.8	433.4	457.7	482.0	527.6	575.2	619.7	657.2
140°	291.6	301.8	333.2	382.8	429.4	453.7	475.9	519.5	563.0	605.6	642.0
142.5°	299.7	308.9	336.2	380.8	425.3	448.6	469.9	511.4	550.9	591.4	626.8
145°	307.8	314.9	338.2	379.7	420.2	441.5	461.8	501.3	539.7	576.2	609.6
147.5°	313.9	321.0	340.2	375.7	414.2	433.4	452.6	490.1	525.6	560.0	590.4
150°	320.0	326.1	341.3	371.6	407.1	424.3	441.5	477.0	511.4	542.8	571.1
152.5°	326.1	330.1	344.3	367.6	399.0	415.2	432.4	463.8	495.2	524.5	551.9
155°	330.1	333.2	345.3	363.5	390.9	405.1	419.2	448.6	477.0	504.3	529.6
157.5°	334.2	337.2	346.3	360.5	381.8	394.9	407.1	432.4	458.7	483.0	506.3
160°	337.2	339.2	346.3	358.5	373.7	382.8	393.9	417.2	439.5	460.7	481.0
162.5°	340.2	341.3	346.3	355.4	366.6	372.6	380.8	399.0	419.2	437.5	455.7
165°	342.3	343.3	346.3	353.4	360.5	365.6	369.6	382.8	398.0	414.2	429.4
167.5°	344.3	344.3	346.3	351.4	355.4	358.5	361.5	368.6	378.7	390.9	402.0
170°	345.3	345.3	346.3	349.4	352.4	353.4	355.4	359.5	364.5	370.6	377.7
172.5°	345.3	345.3	345.3	347.3	348.3	348.3	348.3	350.4	353.4	357.5	360.5
175°	345.3	344.3	344.3	345.3	344.3	344.3	344.3	344.3	345.3	347.3	348.3
177.5°	345.3	344.3	343.3	343.3	342.3	342.3	341.3	341.3	341.3	341.3	341.3
180°	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2



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CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	223.8	223.8	223.8	223.8	223.8	223.8	223.8	223.8	223.8	223.8
2.5°	224.8	224.8	223.8	222.8	222.8	222.8	221.8	220.8	219.7	219.7
5°	224.8	224.8	223.8	223.8	223.8	223.8	222.8	222.8	221.8	221.8
7.5°	225.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	223.8	223.8
10°	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8
12.5°	226.8	226.8	226.8	226.8	227.8	227.8	227.8	227.8	227.8	227.8
15°	226.8	227.8	228.9	228.9	228.9	229.9	229.9	229.9	229.9	229.9
17.5°	227.8	228.9	229.9	229.9	230.9	230.9	231.9	231.9	231.9	231.9
20°	227.8	228.9	229.9	230.9	231.9	231.9	232.9	233.9	233.9	232.9
22.5°	226.8	228.9	229.9	230.9	231.9	232.9	233.9	234.9	234.9	234.9
25°	225.8	227.8	229.9	231.9	231.9	232.9	234.9	234.9	234.9	234.9
27.5°	224.8	226.8	228.9	230.9	231.9	232.9	233.9	234.9	234.9	234.9
30°	222.8	225.8	227.8	229.9	230.9	231.9	232.9	233.9	233.9	233.9
32.5°	219.7	222.8	224.8	227.8	228.9	229.9	230.9	231.9	231.9	231.9
35°	216.7	219.7	221.8	224.8	225.8	226.8	228.9	228.9	229.9	229.9
37.5°	211.6	215.7	217.7	220.8	221.8	222.8	224.8	225.8	225.8	225.8
40°	206.6	210.6	212.7	215.7	216.7	217.7	219.7	220.8	221.8	221.8
42.5°	200.5	204.6	206.6	209.6	210.6	211.6	213.7	214.7	215.7	215.7
45°	194.4	197.5	199.5	202.5	204.6	204.6	206.6	207.6	208.6	208.6
47.5°	186.3	189.4	191.4	194.4	196.5	197.5	198.5	199.5	200.5	200.5
50°	177.2	180.2	183.3	185.3	187.3	187.3	189.4	190.4	191.4	191.4
52.5°	168.1	170.1	173.2	176.2	177.2	178.2	179.2	180.2	181.3	181.3
55°	158.0	160.0	163.0	165.1	166.1	167.1	168.1	169.1	170.1	170.1
57.5°	146.8	148.9	151.9	153.9	154.9	155.9	157.0	158.0	159.0	159.0
60°	134.7	136.7	139.7	141.8	142.8	142.8	144.8	145.8	145.8	145.8
62.5°	122.5	124.6	126.6	128.6	129.6	130.6	131.6	132.7	132.7	132.7
65°	110.4	112.4	114.4	115.4	116.5	116.5	117.5	118.5	119.5	119.5
67.5°	97.2	99.2	101.3	102.3	103.3	103.3	104.3	105.3	105.3	105.3
70°	84.0	85.1	87.1	88.1	89.1	89.1	91.1	91.1	91.1	91.1
72.5°	70.9	71.9	73.9	74.9	75.9	75.9	77.0	78.0	78.0	78.0
75°	58.7	59.7	60.8	62.8	62.8	62.8	63.8	64.8	64.8	64.8
77.5°	46.6	47.6	48.6	49.6	50.6	50.6	51.6	52.7	52.7	52.7
80°	35.4	36.5	37.5	38.5	38.5	39.5	39.5	40.5	40.5	40.5
82.5°	25.3	26.3	27.3	28.4	29.4	29.4	30.4	31.4	31.4	30.4
85°	17.2	19.2	20.3	21.3	21.3	21.3	22.3	23.3	23.3	22.3
87.5°	12.2	12.2	13.2	14.2	14.2	15.2	15.2	16.2	16.2	16.2
90°	7.1	7.1	8.1	8.1	9.1	9.1	9.1	10.1	10.1	10.1
92.5°	17.2	17.2	18.2	18.2	18.2	18.2	19.2	19.2	19.2	19.2
95°	184.3	83.0	69.9	42.5	40.5	35.4	34.4	35.4	35.4	34.4
97.5°	618.7	662.3	689.6	702.8	686.6	669.4	650.1	647.1	620.7	562.0
100°	667.3	701.8	735.2	758.5	767.6	775.7	793.9	805.0	810.1	815.2
102.5°	691.6	728.1	757.5	786.8	799.0	810.1	826.3	839.5	844.5	848.6
105°	712.9	750.4	782.8	809.1	820.2	830.4	846.6	858.7	867.8	868.8
107.5°	718.0	757.5	793.9	826.3	839.5	850.6	869.9	879.0	887.1	887.1
110°	727.1	764.5	798.0	827.3	840.5	853.7	873.9	888.1	896.2	898.2





TEST NUMBER: P395738

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	734.2	772.6	804.0	833.4	844.5	856.7	875.9	889.1	896.2	899.2
115°	740.2	777.7	809.1	836.4	848.6	860.7	880.0	891.1	899.2	902.3
117.5°	744.3	780.7	812.1	837.4	850.6	860.7	879.0	891.1	899.2	900.2
120°	745.3	781.8	812.1	837.4	848.6	859.7	878.0	890.1	898.2	898.2
122.5°	745.3	780.7	811.1	835.4	845.6	855.7	872.9	887.1	894.2	894.2
125°	741.2	776.7	806.1	830.4	840.5	849.6	867.8	881.0	888.1	889.1
127.5°	735.2	769.6	799.0	823.3	833.4	841.5	860.7	872.9	880.0	881.0
130°	727.1	761.5	789.9	813.1	823.3	832.4	848.6	861.8	869.9	871.9
132.5°	718.0	750.4	778.7	801.0	811.1	819.2	835.4	848.6	855.7	858.7
135°	706.8	737.2	764.5	786.8	796.9	805.0	820.2	833.4	840.5	843.5
137.5°	692.6	722.0	748.3	770.6	779.7	787.8	803.0	815.2	821.2	825.3
140°	676.4	703.8	731.1	751.4	760.5	768.6	781.8	794.9	801.0	804.0
142.5°	659.2	686.6	710.9	731.1	739.2	747.3	760.5	772.6	778.7	779.7
145°	641.0	667.3	689.6	708.8	715.9	724.0	736.2	748.3	754.4	755.4
147.5°	620.7	645.0	666.3	684.5	692.6	698.7	709.9	721.0	727.1	728.1
150°	597.5	619.7	639.0	657.2	664.3	670.4	682.5	692.6	698.7	699.7
152.5°	575.2	596.4	612.6	628.8	635.9	642.0	652.1	662.3	668.3	669.4
155°	551.9	571.1	587.3	600.5	606.6	612.6	620.7	629.9	634.9	635.9
157.5°	527.6	545.8	560.0	572.1	578.2	583.3	590.4	598.5	601.5	603.5
160°	501.3	516.4	528.6	540.7	545.8	550.9	558.0	564.0	568.1	569.1
162.5°	472.9	486.1	496.2	507.3	510.4	514.4	521.5	527.6	530.6	531.6
165°	443.5	455.7	464.8	473.9	475.9	479.0	484.0	490.1	492.1	494.2
167.5°	414.2	424.3	430.4	438.5	441.5	443.5	448.6	452.6	454.7	455.7
170°	385.8	392.9	398.0	404.0	405.1	408.1	411.1	415.2	416.2	416.2
172.5°	363.5	366.6	369.6	371.6	372.6	373.7	375.7	376.7	376.7	376.7
175°	349.4	351.4	351.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4
177.5°	341.3	341.3	341.3	340.2	340.2	340.2	340.2	339.2	339.2	339.2
180°	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2	339.2

(END OF REPORT)