

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: P395742

Luminaire Tested: **I3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395742  
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 (5000K)  
Description: CORELITE I3, OPEN TOP  
5000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4658.4 lumens  
Efficiency: N/A  
Efficacy: 128.3 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

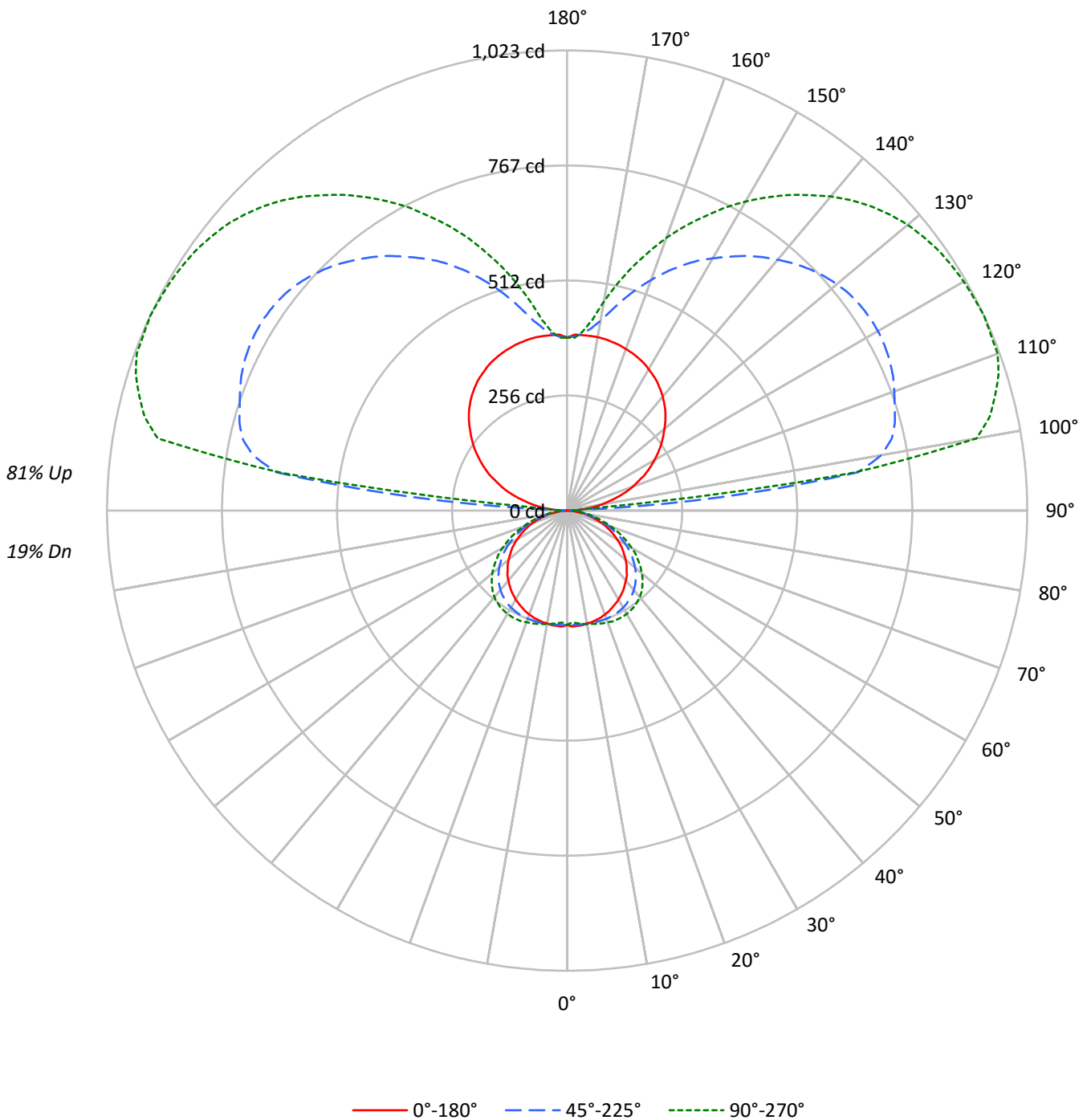
Input Watts (W): 36.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395742

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395742

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)

**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°	1394	1394	1394
5°	1414	1374	1348
10°	1412	1365	1349
15°	1414	1360	1361
20°	1415	1365	1378
25°	1414	1369	1398
30°	1415	1371	1412
35°	1414	1364	1418
40°	1408	1354	1410
45°	1395	1325	1379
50°	1383	1283	1328
55°	1359	1220	1252
60°	1317	1132	1152
65°	1259	1008	1028
70°	1190	874	867
75°	1032	686	696
80°	819	492	503
85°	488	287	332



TEST NUMBER: P395742

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.3	0.5
10°-20°	72.4	1.6
20°-30°	116.5	2.5
30°-40°	149.9	3.2
40°-50°	164.6	3.5
50°-60°	154.7	3.3
60°-70°	120.2	2.6
70°-80°	69.0	1.5
80°-90°	22.1	0.5
90°-100°	297.8	6.4
100°-110°	707.7	15.2
110°-120°	710.9	15.3
120°-130°	651.9	14.0
130°-140°	545.1	11.7
140°-150°	409.2	8.8
150°-160°	266.3	5.7
160°-170°	137.2	2.9
170°-180°	38.8	0.8
0°-30°	213.1	4.6
0°-40°	363.0	7.8
0°-60°	682.3	14.6
0°-90°	893.6	19.2
90°-120°	1716.3	36.8
90°-150°	3322.5	71.3
90°-180°	3765.0	80.8
0°-180°	4658.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	254	254	254	254	254	
5°	257	255	255	254	251	25
15°	251	250	256	260	261	71
25°	238	240	254	263	266	110
35°	217	223	241	256	261	136
45°	187	196	216	232	236	145
55°	150	158	176	188	193	134
65°	106	111	122	132	136	105
75°	56	59	64	71	74	60
85°	12	14	18	24	25	14
90°	1	3	7	10	12	3
95°	40	333	342	46	39	40
105°	116	447	754	930	985	123
115°	192	503	791	962	1023	188
125°	255	525	796	953	1008	228
135°	309	522	760	904	956	238
145°	349	501	691	812	856	218
155°	374	459	600	688	721	173
165°	388	414	487	540	560	110
175°	392	390	395	400	400	37
180°	385	385	385	385	385	



TEST NUMBER: P395742

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	258.3	257.2	256.0	256.0	254.9	254.9	254.9	253.7	253.7	253.7	254.9
5°	257.2	257.2	256.0	254.9	254.9	254.9	253.7	253.7	253.7	253.7	254.9
7.5°	257.2	256.0	254.9	254.9	253.7	253.7	253.7	253.7	253.7	253.7	254.9
10°	254.9	254.9	253.7	253.7	252.6	253.7	253.7	253.7	253.7	253.7	256.0
12.5°	253.7	253.7	252.6	251.4	251.4	251.4	252.6	252.6	252.6	253.7	256.0
15°	251.4	251.4	250.3	250.3	250.3	250.3	251.4	251.4	252.6	253.7	256.0
17.5°	249.1	249.1	248.0	248.0	248.0	249.1	249.1	250.3	251.4	253.7	256.0
20°	245.7	245.7	245.7	245.7	245.7	246.8	246.8	248.0	250.3	252.6	256.0
22.5°	242.2	242.2	242.2	242.2	242.2	243.4	244.5	246.8	248.0	251.4	254.9
25°	237.7	237.7	237.7	237.7	238.8	239.9	241.1	243.4	245.7	249.1	253.7
27.5°	233.1	234.2	234.2	234.2	235.4	236.5	237.7	239.9	243.4	248.0	251.4
30°	228.5	228.5	228.5	229.6	230.8	231.9	234.2	236.5	239.9	244.5	249.1
32.5°	222.7	222.7	223.9	223.9	226.2	227.3	229.6	233.1	236.5	241.1	245.7
35°	217.0	217.0	217.0	219.3	220.4	222.7	223.9	227.3	231.9	236.5	241.1
37.5°	210.1	211.2	211.2	212.4	214.7	217.0	218.1	222.7	227.3	231.9	236.5
40°	203.2	204.4	204.4	205.5	208.9	210.1	212.4	217.0	220.4	226.2	230.8
42.5°	196.3	196.3	197.5	198.6	202.1	203.2	205.5	210.1	214.7	219.3	223.9
45°	187.1	188.3	189.4	190.6	194.0	196.3	198.6	202.1	206.7	211.2	215.8
47.5°	179.1	179.1	180.2	182.5	186.0	188.3	189.4	194.0	197.5	202.1	206.7
50°	169.9	171.1	171.1	173.4	176.8	179.1	180.2	184.8	188.3	192.9	197.5
52.5°	159.6	160.7	161.9	164.2	167.6	169.9	171.1	174.5	178.0	182.5	186.0
55°	150.4	151.5	151.5	153.8	157.3	158.4	160.7	163.0	167.6	171.1	175.7
57.5°	140.1	141.2	141.2	143.5	145.8	148.1	149.2	152.7	156.1	159.6	163.0
60°	128.6	129.7	130.9	132.0	134.3	136.6	137.8	140.1	143.5	147.0	150.4
62.5°	117.1	118.3	119.4	120.5	122.8	124.0	125.1	128.6	130.9	134.3	136.6
65°	105.6	106.8	107.9	109.1	110.2	111.4	112.5	114.8	117.1	120.5	121.7
67.5°	94.1	95.3	95.3	96.4	97.6	98.7	99.9	102.2	103.3	106.8	107.9
70°	82.7	82.7	82.7	83.8	83.8	85.0	86.1	88.4	89.5	91.8	94.1
72.5°	68.9	70.0	70.0	70.0	71.2	72.3	73.5	74.6	75.8	76.9	79.2
75°	56.3	57.4	56.3	57.4	58.6	58.6	59.7	60.8	62.0	63.1	64.3
77.5°	44.8	43.6	44.8	44.8	45.9	45.9	45.9	47.1	49.4	49.4	51.7
80°	32.1	32.1	32.1	32.1	33.3	33.3	34.4	34.4	36.7	37.9	39.0
82.5°	20.7	20.7	21.8	21.8	21.8	23.0	23.0	24.1	25.3	26.4	27.6
85°	11.5	11.5	11.5	12.6	12.6	13.8	13.8	14.9	16.1	17.2	18.4
87.5°	3.4	4.6	5.7	5.7	6.9	6.9	8.0	8.0	10.3	11.5	12.6
90°	1.1	1.1	2.3	2.3	2.3	3.4	3.4	4.6	4.6	5.7	6.9
92.5°	19.5	45.9	95.3	142.4	122.8	114.8	68.9	20.7	18.4	19.5	19.5
95°	40.2	75.8	138.9	225.0	291.6	332.9	360.5	413.3	467.3	458.1	342.1
97.5°	58.6	97.6	167.6	246.8	338.7	385.8	421.3	484.5	553.4	610.8	652.1
100°	76.9	117.1	191.7	274.4	359.3	401.8	443.2	529.3	597.0	654.4	709.5
102.5°	96.4	136.6	213.5	299.6	383.5	424.8	465.0	540.7	616.5	685.4	739.4
105°	116.0	157.3	233.1	321.5	405.3	446.6	485.6	558.0	628.0	692.3	754.3
107.5°	136.6	175.7	250.3	338.7	422.5	463.8	502.9	575.2	642.9	707.2	763.5
110°	155.0	192.9	267.5	354.8	438.6	479.9	518.9	591.3	657.8	718.7	773.8



TEST NUMBER: P395742

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	172.2	208.9	283.6	368.5	451.2	492.5	530.4	602.7	669.3	729.0	784.1
115°	191.7	223.9	299.6	381.2	462.7	502.9	540.7	611.9	678.5	737.1	791.0
117.5°	207.8	238.8	313.4	391.5	471.9	510.9	547.6	618.8	684.2	742.8	795.6
120°	223.9	252.6	326.1	400.7	478.7	516.6	553.4	623.4	688.8	746.2	797.9
122.5°	239.9	266.4	336.4	409.9	484.5	522.4	558.0	626.8	691.1	747.4	797.9
125°	254.9	277.8	345.6	416.7	487.9	524.7	559.1	626.8	690.0	745.1	795.6
127.5°	268.6	290.5	352.5	423.6	490.2	525.8	559.1	624.5	687.7	741.7	791.0
130°	282.4	301.9	359.3	427.1	492.5	524.7	556.8	620.0	682.0	735.9	783.0
132.5°	296.2	314.6	365.1	430.5	493.7	524.7	554.5	615.4	675.1	727.9	772.6
135°	308.8	323.8	370.8	432.8	492.5	522.4	549.9	607.3	664.7	716.4	760.0
137.5°	320.3	332.9	375.4	434.0	491.4	518.9	546.5	598.1	652.1	702.6	745.1
140°	330.6	342.1	377.7	434.0	486.8	514.3	539.6	589.0	638.3	686.5	727.9
142.5°	339.8	350.2	381.2	431.7	482.2	508.6	532.7	579.8	624.5	670.5	710.7
145°	349.0	357.0	383.5	430.5	476.4	500.6	523.5	568.3	611.9	653.3	691.1
147.5°	355.9	363.9	385.8	425.9	469.6	491.4	513.2	555.7	595.8	634.9	669.3
150°	362.8	369.7	386.9	421.3	461.5	481.0	500.6	540.7	579.8	615.4	647.5
152.5°	369.7	374.3	390.3	416.7	452.3	470.7	490.2	525.8	561.4	594.7	625.7
155°	374.3	377.7	391.5	412.2	443.2	459.2	475.3	508.6	540.7	571.7	600.4
157.5°	378.9	382.3	392.6	408.7	432.8	447.7	461.5	490.2	520.1	547.6	574.0
160°	382.3	384.6	392.6	406.4	423.6	434.0	446.6	473.0	498.3	522.4	545.3
162.5°	385.8	386.9	392.6	403.0	415.6	422.5	431.7	452.3	475.3	496.0	516.6
165°	388.0	389.2	392.6	400.7	408.7	414.5	419.0	434.0	451.2	469.6	486.8
167.5°	390.3	390.3	392.6	398.4	403.0	406.4	409.9	417.9	429.4	443.2	455.8
170°	391.5	391.5	392.6	396.1	399.5	400.7	403.0	407.6	413.3	420.2	428.2
172.5°	391.5	391.5	391.5	393.8	394.9	394.9	394.9	397.2	400.7	405.3	408.7
175°	391.5	390.3	390.3	391.5	390.3	390.3	390.3	390.3	391.5	393.8	394.9
177.5°	391.5	390.3	389.2	389.2	388.0	388.0	386.9	386.9	386.9	386.9	386.9
180°	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6



TEST NUMBER: P395742

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	254.9	254.9	253.7	252.6	252.6	252.6	251.4	250.3	249.1	249.1
5°	254.9	254.9	253.7	253.7	253.7	253.7	252.6	252.6	251.4	251.4
7.5°	256.0	254.9	254.9	254.9	254.9	254.9	254.9	254.9	253.7	253.7
10°	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0	256.0
12.5°	257.2	257.2	257.2	257.2	258.3	258.3	258.3	258.3	258.3	258.3
15°	257.2	258.3	259.5	259.5	259.5	260.6	260.6	260.6	260.6	260.6
17.5°	258.3	259.5	260.6	260.6	261.8	261.8	262.9	262.9	262.9	262.9
20°	258.3	259.5	260.6	261.8	262.9	262.9	264.1	265.2	265.2	264.1
22.5°	257.2	259.5	260.6	261.8	262.9	264.1	265.2	266.4	266.4	266.4
25°	256.0	258.3	260.6	262.9	262.9	264.1	266.4	266.4	266.4	266.4
27.5°	254.9	257.2	259.5	261.8	262.9	264.1	265.2	266.4	266.4	266.4
30°	252.6	256.0	258.3	260.6	261.8	262.9	264.1	265.2	265.2	265.2
32.5°	249.1	252.6	254.9	258.3	259.5	260.6	261.8	262.9	262.9	262.9
35°	245.7	249.1	251.4	254.9	256.0	257.2	259.5	259.5	260.6	260.6
37.5°	239.9	244.5	246.8	250.3	251.4	252.6	254.9	256.0	256.0	256.0
40°	234.2	238.8	241.1	244.5	245.7	246.8	249.1	250.3	251.4	251.4
42.5°	227.3	231.9	234.2	237.7	238.8	239.9	242.2	243.4	244.5	244.5
45°	220.4	223.9	226.2	229.6	231.9	231.9	234.2	235.4	236.5	236.5
47.5°	211.2	214.7	217.0	220.4	222.7	223.9	225.0	226.2	227.3	227.3
50°	200.9	204.4	207.8	210.1	212.4	212.4	214.7	215.8	217.0	217.0
52.5°	190.6	192.9	196.3	199.8	200.9	202.1	203.2	204.4	205.5	205.5
55°	179.1	181.4	184.8	187.1	188.3	189.4	190.6	191.7	192.9	192.9
57.5°	166.5	168.8	172.2	174.5	175.7	176.8	178.0	179.1	180.2	180.2
60°	152.7	155.0	158.4	160.7	161.9	161.9	164.2	165.3	165.3	165.3
62.5°	138.9	141.2	143.5	145.8	147.0	148.1	149.2	150.4	150.4	150.4
65°	125.1	127.4	129.7	130.9	132.0	132.0	133.2	134.3	135.5	135.5
67.5°	110.2	112.5	114.8	116.0	117.1	117.1	118.3	119.4	119.4	119.4
70°	95.3	96.4	98.7	99.9	101.0	101.0	103.3	103.3	103.3	103.3
72.5°	80.4	81.5	83.8	85.0	86.1	86.1	87.3	88.4	88.4	88.4
75°	66.6	67.7	68.9	71.2	71.2	71.2	72.3	73.5	73.5	73.5
77.5°	52.8	54.0	55.1	56.3	57.4	57.4	58.6	59.7	59.7	59.7
80°	40.2	41.3	42.5	43.6	43.6	44.8	44.8	45.9	45.9	45.9
82.5°	28.7	29.8	31.0	32.1	33.3	33.3	34.4	35.6	35.6	34.4
85°	19.5	21.8	23.0	24.1	24.1	24.1	25.3	26.4	26.4	25.3
87.5°	13.8	13.8	14.9	16.1	16.1	17.2	17.2	18.4	18.4	18.4
90°	8.0	8.0	9.2	9.2	10.3	10.3	10.3	11.5	11.5	11.5
92.5°	19.5	19.5	20.7	20.7	20.7	20.7	21.8	21.8	21.8	21.8
95°	208.9	94.1	79.2	48.2	45.9	40.2	39.0	40.2	40.2	39.0
97.5°	701.5	750.8	781.8	796.8	778.4	758.9	737.1	733.6	703.8	637.2
100°	756.6	795.6	833.5	859.9	870.2	879.4	900.1	912.7	918.5	924.2
102.5°	784.1	825.5	858.8	892.0	905.8	918.5	936.8	951.7	957.5	962.1
105°	808.2	850.7	887.5	917.3	929.9	941.4	959.8	973.6	983.9	985.0
107.5°	814.0	858.8	900.1	936.8	951.7	964.4	986.2	996.5	1005.7	1005.7
110°	824.3	866.8	904.7	938.0	952.9	967.8	990.8	1006.9	1016.0	1018.3





TEST NUMBER: P395742

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	832.3	876.0	911.6	944.9	957.5	971.3	993.1	1008.0	1016.0	1019.5
115°	839.2	881.7	917.3	948.3	962.1	975.9	997.7	1010.3	1019.5	1022.9
117.5°	843.8	885.2	920.8	949.5	964.4	975.9	996.5	1010.3	1019.5	1020.6
120°	845.0	886.3	920.8	949.5	962.1	974.7	995.4	1009.2	1018.3	1018.3
122.5°	845.0	885.2	919.6	947.2	958.6	970.1	989.6	1005.7	1013.7	1013.7
125°	840.4	880.6	913.9	941.4	952.9	963.2	983.9	998.8	1006.9	1008.0
127.5°	833.5	872.5	905.8	933.4	944.9	954.0	975.9	989.6	997.7	998.8
130°	824.3	863.3	895.5	921.9	933.4	943.7	962.1	977.0	986.2	988.5
132.5°	814.0	850.7	882.9	908.1	919.6	928.8	947.2	962.1	970.1	973.6
135°	801.4	835.8	866.8	892.0	903.5	912.7	929.9	944.9	952.9	956.3
137.5°	785.3	818.6	848.4	873.7	884.0	893.2	910.4	924.2	931.1	935.7
140°	766.9	797.9	828.9	851.9	862.2	871.4	886.3	901.2	908.1	911.6
142.5°	747.4	778.4	805.9	828.9	838.1	847.3	862.2	876.0	882.9	884.0
145°	726.7	756.6	781.8	803.6	811.7	820.9	834.6	848.4	855.3	856.5
147.5°	703.8	731.3	755.4	776.1	785.3	792.2	804.8	817.4	824.3	825.5
150°	677.4	702.6	724.4	745.1	753.1	760.0	773.8	785.3	792.2	793.3
152.5°	652.1	676.2	694.6	713.0	721.0	727.9	739.4	750.8	757.7	758.9
155°	625.7	647.5	665.9	680.8	687.7	694.6	703.8	714.1	719.8	721.0
157.5°	598.1	618.8	634.9	648.7	655.5	661.3	669.3	678.5	682.0	684.2
160°	568.3	585.5	599.3	613.1	618.8	624.5	632.6	639.5	644.1	645.2
162.5°	536.1	551.1	562.6	575.2	578.6	583.2	591.3	598.1	601.6	602.7
165°	502.9	516.6	527.0	537.3	539.6	543.0	548.8	555.7	558.0	560.3
167.5°	469.6	481.0	487.9	497.1	500.6	502.9	508.6	513.2	515.5	516.6
170°	437.4	445.5	451.2	458.1	459.2	462.7	466.1	470.7	471.9	471.9
172.5°	412.2	415.6	419.0	421.3	422.5	423.6	425.9	427.1	427.1	427.1
175°	396.1	398.4	398.4	399.5	399.5	399.5	399.5	399.5	399.5	399.5
177.5°	386.9	386.9	386.9	385.8	385.8	385.8	385.8	384.6	384.6	384.6
180°	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6	384.6

(END OF REPORT)