

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: P395741

Luminaire Tested: **I3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395741  
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 (4500K)  
Description: CORELITE I3, OPEN TOP  
5000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4567.7 lumens  
Efficiency: N/A  
Efficacy: 126.2 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

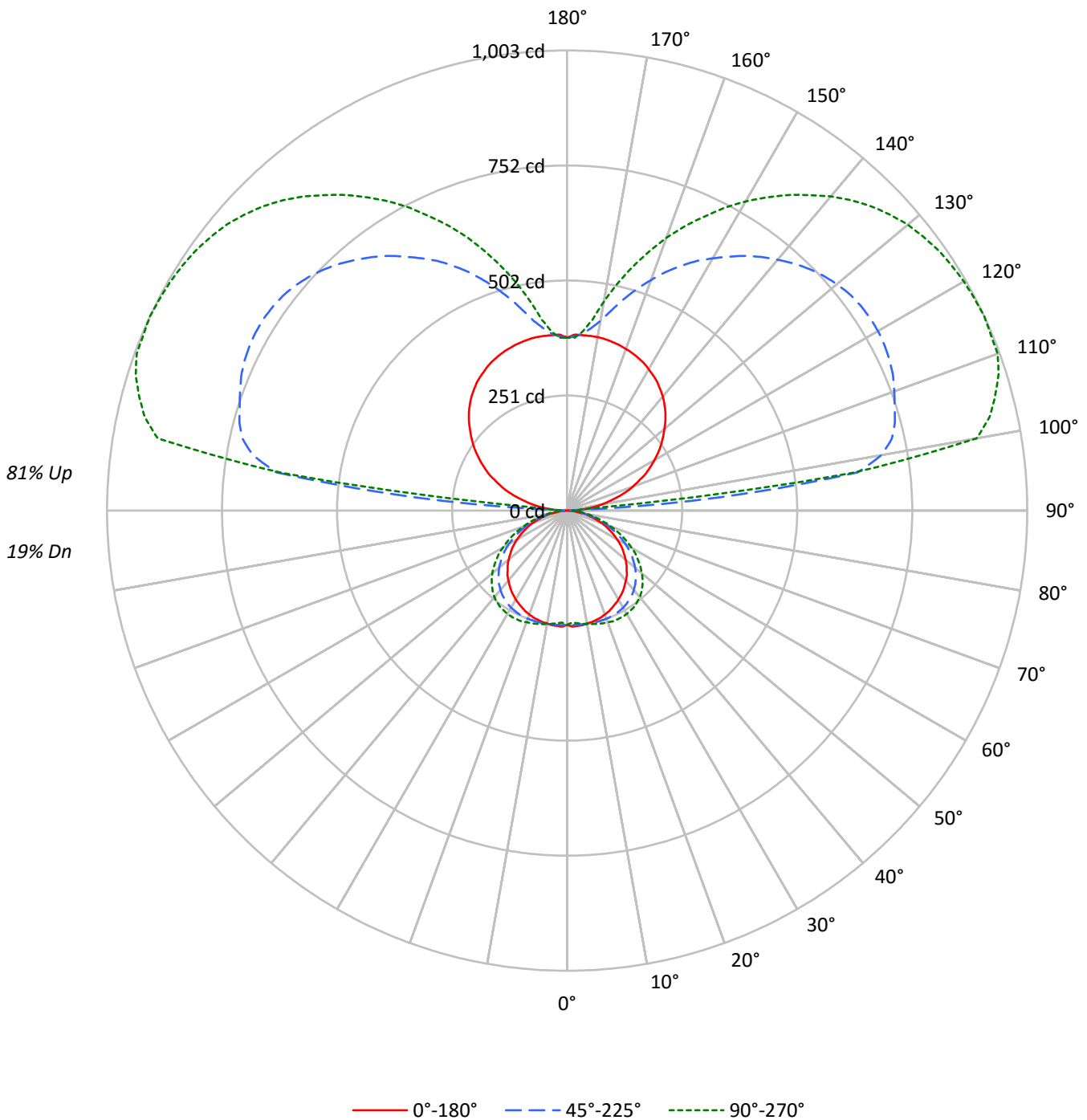
Input Watts (W): 36.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395741

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395741

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)

**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°	1368	1368	1368
5°	1386	1347	1322
10°	1384	1338	1323
15°	1387	1333	1335
20°	1388	1339	1351
25°	1386	1343	1371
30°	1388	1344	1384
35°	1387	1337	1390
40°	1380	1328	1382
45°	1368	1299	1352
50°	1356	1257	1302
55°	1332	1196	1228
60°	1291	1110	1130
65°	1235	988	1007
70°	1167	857	850
75°	1012	672	681
80°	803	483	493
85°	479	281	325



TEST NUMBER: P395741

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.8	0.5
10°-20°	71.0	1.6
20°-30°	114.2	2.5
30°-40°	146.9	3.2
40°-50°	161.4	3.5
50°-60°	151.7	3.3
60°-70°	117.9	2.6
70°-80°	67.6	1.5
80°-90°	21.7	0.5
90°-100°	292.0	6.4
100°-110°	693.9	15.2
110°-120°	697.0	15.3
120°-130°	639.2	14.0
130°-140°	534.5	11.7
140°-150°	401.2	8.8
150°-160°	261.2	5.7
160°-170°	134.5	2.9
170°-180°	38.1	0.8
0°-30°	209.0	4.6
0°-40°	355.9	7.8
0°-60°	669.0	14.6
0°-90°	876.2	19.2
90°-120°	1682.9	36.8
90°-150°	3257.8	71.3
90°-180°	3692.0	80.8
0°-180°	4567.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	249	249	249	249	249	
5°	252	250	250	249	246	24
15°	246	245	251	254	256	70
25°	233	235	249	258	261	108
35°	213	218	236	251	256	133
45°	184	192	212	227	232	142
55°	148	155	172	185	189	131
65°	104	109	119	130	133	103
75°	55	57	63	70	72	59
85°	11	14	18	24	25	13
90°	1	3	7	10	11	3
95°	39	326	336	45	38	39
105°	114	438	740	912	966	120
115°	188	493	776	943	1003	185
125°	250	514	780	934	988	223
135°	303	512	745	886	938	233
145°	342	491	678	796	840	214
155°	367	450	589	674	707	169
165°	380	406	477	529	549	108
175°	384	383	387	392	392	37
180°	377	377	377	377	377	



TEST NUMBER: P395741

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8
2.5°	253.3	252.2	251.0	251.0	249.9	249.9	249.9	248.8	248.8	248.8	249.9
5°	252.2	252.2	251.0	249.9	249.9	249.9	248.8	248.8	248.8	248.8	249.9
7.5°	252.2	251.0	249.9	249.9	248.8	248.8	248.8	248.8	248.8	248.8	249.9
10°	249.9	249.9	248.8	248.8	247.7	248.8	248.8	248.8	248.8	248.8	251.0
12.5°	248.8	248.8	247.7	246.5	246.5	246.5	247.7	247.7	247.7	248.8	251.0
15°	246.5	246.5	245.4	245.4	245.4	245.4	246.5	246.5	247.7	248.8	251.0
17.5°	244.3	244.3	243.2	243.2	243.2	244.3	244.3	245.4	246.5	248.8	251.0
20°	240.9	240.9	240.9	240.9	240.9	242.0	242.0	243.2	245.4	247.7	251.0
22.5°	237.5	237.5	237.5	237.5	237.5	238.6	239.8	242.0	243.2	246.5	249.9
25°	233.0	233.0	233.0	233.0	234.1	235.3	236.4	238.6	240.9	244.3	248.8
27.5°	228.5	229.6	229.6	229.6	230.8	231.9	233.0	235.3	238.6	243.2	246.5
30°	224.0	224.0	224.0	225.1	226.3	227.4	229.6	231.9	235.3	239.8	244.3
32.5°	218.4	218.4	219.5	219.5	221.8	222.9	225.1	228.5	231.9	236.4	240.9
35°	212.8	212.8	212.8	215.0	216.1	218.4	219.5	222.9	227.4	231.9	236.4
37.5°	206.0	207.1	207.1	208.3	210.5	212.8	213.9	218.4	222.9	227.4	231.9
40°	199.2	200.4	200.4	201.5	204.9	206.0	208.3	212.8	216.1	221.8	226.3
42.5°	192.5	192.5	193.6	194.7	198.1	199.2	201.5	206.0	210.5	215.0	219.5
45°	183.5	184.6	185.7	186.9	190.2	192.5	194.7	198.1	202.6	207.1	211.6
47.5°	175.6	175.6	176.7	179.0	182.4	184.6	185.7	190.2	193.6	198.1	202.6
50°	166.6	167.7	167.7	170.0	173.4	175.6	176.7	181.2	184.6	189.1	193.6
52.5°	156.5	157.6	158.7	161.0	164.4	166.6	167.7	171.1	174.5	179.0	182.4
55°	147.5	148.6	148.6	150.8	154.2	155.3	157.6	159.8	164.4	167.7	172.2
57.5°	137.3	138.5	138.5	140.7	143.0	145.2	146.3	149.7	153.1	156.5	159.8
60°	126.1	127.2	128.3	129.5	131.7	134.0	135.1	137.3	140.7	144.1	147.5
62.5°	114.8	115.9	117.1	118.2	120.5	121.6	122.7	126.1	128.3	131.7	134.0
65°	103.6	104.7	105.8	106.9	108.1	109.2	110.3	112.6	114.8	118.2	119.3
67.5°	92.3	93.4	93.4	94.6	95.7	96.8	97.9	100.2	101.3	104.7	105.8
70°	81.1	81.1	81.1	82.2	82.2	83.3	84.4	86.7	87.8	90.1	92.3
72.5°	67.5	68.7	68.7	68.7	69.8	70.9	72.0	73.2	74.3	75.4	77.7
75°	55.2	56.3	55.2	56.3	57.4	57.4	58.5	59.7	60.8	61.9	63.0
77.5°	43.9	42.8	43.9	43.9	45.0	45.0	45.0	46.2	48.4	48.4	50.7
80°	31.5	31.5	31.5	31.5	32.6	32.6	33.8	33.8	36.0	37.1	38.3
82.5°	20.3	20.3	21.4	21.4	21.4	22.5	22.5	23.6	24.8	25.9	27.0
85°	11.3	11.3	11.3	12.4	12.4	13.5	13.5	14.6	15.8	16.9	18.0
87.5°	3.4	4.5	5.6	5.6	6.8	6.8	7.9	7.9	10.1	11.3	12.4
90°	1.1	1.1	2.3	2.3	2.3	3.4	3.4	4.5	4.5	5.6	6.8
92.5°	19.1	45.0	93.4	139.6	120.5	112.6	67.5	20.3	18.0	19.1	19.1
95°	39.4	74.3	136.2	220.6	285.9	326.5	353.5	405.3	458.2	449.2	335.5
97.5°	57.4	95.7	164.4	242.0	332.1	378.2	413.1	475.0	542.6	598.9	639.4
100°	75.4	114.8	188.0	269.0	352.3	394.0	434.5	518.9	585.4	641.7	695.7
102.5°	94.6	134.0	209.4	293.8	376.0	416.5	455.9	530.2	604.5	672.0	725.0
105°	113.7	154.2	228.5	315.2	397.4	437.9	476.2	547.1	615.8	678.8	739.6
107.5°	134.0	172.2	245.4	332.1	414.3	454.8	493.1	564.0	630.4	693.4	748.6
110°	152.0	189.1	262.3	347.8	430.0	470.5	508.8	579.7	645.0	704.7	758.7



TEST NUMBER: P395741

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	168.9	204.9	278.0	361.4	442.4	482.9	520.1	591.0	656.3	714.8	768.9
115°	188.0	219.5	293.8	373.7	453.7	493.1	530.2	600.0	665.3	722.7	775.6
117.5°	203.8	234.1	307.3	383.9	462.7	500.9	537.0	606.8	670.9	728.3	780.1
120°	219.5	247.7	319.7	392.9	469.4	506.6	542.6	611.3	675.4	731.7	782.4
122.5°	235.3	261.2	329.8	401.9	475.0	512.2	547.1	614.6	677.7	732.8	782.4
125°	249.9	272.4	338.8	408.6	478.4	514.4	548.2	614.6	676.5	730.6	780.1
127.5°	263.4	284.8	345.6	415.4	480.7	515.6	548.2	612.4	674.3	727.2	775.6
130°	276.9	296.1	352.3	418.8	482.9	514.4	546.0	607.9	668.7	721.6	767.7
132.5°	290.4	308.4	358.0	422.1	484.1	514.4	543.7	603.4	661.9	713.7	757.6
135°	302.8	317.4	363.6	424.4	482.9	512.2	539.2	595.5	651.8	702.4	745.2
137.5°	314.1	326.5	368.1	425.5	481.8	508.8	535.8	586.5	639.4	688.9	730.6
140°	324.2	335.5	370.4	425.5	477.3	504.3	529.1	577.5	625.9	673.2	713.7
142.5°	333.2	343.3	373.7	423.3	472.8	498.7	522.3	568.5	612.4	657.4	696.8
145°	342.2	350.1	376.0	422.1	467.2	490.8	513.3	557.2	600.0	640.5	677.7
147.5°	349.0	356.8	378.2	417.6	460.4	481.8	503.2	544.8	584.2	622.5	656.3
150°	355.7	362.5	379.4	413.1	452.5	471.7	490.8	530.2	568.5	603.4	634.9
152.5°	362.5	367.0	382.7	408.6	443.5	461.5	480.7	515.6	550.5	583.1	613.5
155°	367.0	370.4	383.9	404.1	434.5	450.3	466.0	498.7	530.2	560.6	588.7
157.5°	371.5	374.9	385.0	400.8	424.4	439.0	452.5	480.7	509.9	537.0	562.9
160°	374.9	377.1	385.0	398.5	415.4	425.5	437.9	463.8	488.6	512.2	534.7
162.5°	378.2	379.4	385.0	395.1	407.5	414.3	423.3	443.5	466.0	486.3	506.6
165°	380.5	381.6	385.0	392.9	400.8	406.4	410.9	425.5	442.4	460.4	477.3
167.5°	382.7	382.7	385.0	390.6	395.1	398.5	401.9	409.8	421.0	434.5	446.9
170°	383.9	383.9	385.0	388.4	391.7	392.9	395.1	399.6	405.3	412.0	419.9
172.5°	383.9	383.9	383.9	386.1	387.2	387.2	387.2	389.5	392.9	397.4	400.8
175°	383.9	382.7	382.7	383.9	382.7	382.7	382.7	382.7	383.9	386.1	387.2
177.5°	383.9	382.7	381.6	381.6	380.5	380.5	379.4	379.4	379.4	379.4	379.4
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1



TEST NUMBER: P395741

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8	248.8
2.5°	249.9	249.9	248.8	247.7	247.7	247.7	246.5	245.4	244.3	244.3
5°	249.9	249.9	248.8	248.8	248.8	248.8	247.7	247.7	246.5	246.5
7.5°	251.0	249.9	249.9	249.9	249.9	249.9	249.9	249.9	248.8	248.8
10°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0
12.5°	252.2	252.2	252.2	252.2	253.3	253.3	253.3	253.3	253.3	253.3
15°	252.2	253.3	254.4	254.4	254.4	255.5	255.5	255.5	255.5	255.5
17.5°	253.3	254.4	255.5	255.5	256.7	256.7	257.8	257.8	257.8	257.8
20°	253.3	254.4	255.5	256.7	257.8	257.8	258.9	260.0	260.0	258.9
22.5°	252.2	254.4	255.5	256.7	257.8	258.9	260.0	261.2	261.2	261.2
25°	251.0	253.3	255.5	257.8	257.8	258.9	261.2	261.2	261.2	261.2
27.5°	249.9	252.2	254.4	256.7	257.8	258.9	260.0	261.2	261.2	261.2
30°	247.7	251.0	253.3	255.5	256.7	257.8	258.9	260.0	260.0	260.0
32.5°	244.3	247.7	249.9	253.3	254.4	255.5	256.7	257.8	257.8	257.8
35°	240.9	244.3	246.5	249.9	251.0	252.2	254.4	254.4	255.5	255.5
37.5°	235.3	239.8	242.0	245.4	246.5	247.7	249.9	251.0	251.0	251.0
40°	229.6	234.1	236.4	239.8	240.9	242.0	244.3	245.4	246.5	246.5
42.5°	222.9	227.4	229.6	233.0	234.1	235.3	237.5	238.6	239.8	239.8
45°	216.1	219.5	221.8	225.1	227.4	227.4	229.6	230.8	231.9	231.9
47.5°	207.1	210.5	212.8	216.1	218.4	219.5	220.6	221.8	222.9	222.9
50°	197.0	200.4	203.8	206.0	208.3	208.3	210.5	211.6	212.8	212.8
52.5°	186.9	189.1	192.5	195.9	197.0	198.1	199.2	200.4	201.5	201.5
55°	175.6	177.9	181.2	183.5	184.6	185.7	186.9	188.0	189.1	189.1
57.5°	163.2	165.5	168.9	171.1	172.2	173.4	174.5	175.6	176.7	176.7
60°	149.7	152.0	155.3	157.6	158.7	158.7	161.0	162.1	162.1	162.1
62.5°	136.2	138.5	140.7	143.0	144.1	145.2	146.3	147.5	147.5	147.5
65°	122.7	125.0	127.2	128.3	129.5	129.5	130.6	131.7	132.8	132.8
67.5°	108.1	110.3	112.6	113.7	114.8	114.8	115.9	117.1	117.1	117.1
70°	93.4	94.6	96.8	97.9	99.1	99.1	101.3	101.3	101.3	101.3
72.5°	78.8	79.9	82.2	83.3	84.4	84.4	85.6	86.7	86.7	86.7
75°	65.3	66.4	67.5	69.8	69.8	69.8	70.9	72.0	72.0	72.0
77.5°	51.8	52.9	54.0	55.2	56.3	56.3	57.4	58.5	58.5	58.5
80°	39.4	40.5	41.7	42.8	42.8	43.9	43.9	45.0	45.0	45.0
82.5°	28.1	29.3	30.4	31.5	32.6	32.6	33.8	34.9	34.9	33.8
85°	19.1	21.4	22.5	23.6	23.6	23.6	24.8	25.9	25.9	24.8
87.5°	13.5	13.5	14.6	15.8	15.8	16.9	16.9	18.0	18.0	18.0
90°	7.9	7.9	9.0	9.0	10.1	10.1	10.1	11.3	11.3	11.3
92.5°	19.1	19.1	20.3	20.3	20.3	20.3	21.4	21.4	21.4	21.4
95°	204.9	92.3	77.7	47.3	45.0	39.4	38.3	39.4	39.4	38.3
97.5°	687.8	736.2	766.6	781.2	763.2	744.1	722.7	719.3	690.1	624.8
100°	741.8	780.1	817.3	843.2	853.3	862.3	882.6	894.9	900.6	906.2
102.5°	768.9	809.4	842.0	874.7	888.2	900.6	918.6	933.2	938.8	943.3
105°	792.5	834.1	870.2	899.4	911.8	923.1	941.1	954.6	964.7	965.9
107.5°	798.1	842.0	882.6	918.6	933.2	945.6	967.0	977.1	986.1	986.1
110°	808.3	849.9	887.1	919.7	934.3	949.0	971.5	987.2	996.2	998.5





TEST NUMBER: P395741

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	816.1	858.9	893.8	926.5	938.8	952.3	973.7	988.4	996.2	999.6
115°	822.9	864.5	899.4	929.8	943.3	956.8	978.2	990.6	999.6	1003.0
117.5°	827.4	867.9	902.8	931.0	945.6	956.8	977.1	990.6	999.6	1000.8
120°	828.5	869.0	902.8	931.0	943.3	955.7	976.0	989.5	998.5	998.5
122.5°	828.5	867.9	901.7	928.7	940.0	951.2	970.4	986.1	994.0	994.0
125°	824.0	863.4	896.1	923.1	934.3	944.5	964.7	979.4	987.2	988.4
127.5°	817.3	855.5	888.2	915.2	926.5	935.5	956.8	970.4	978.2	979.4
130°	808.3	846.5	878.0	903.9	915.2	925.3	943.3	958.0	967.0	969.2
132.5°	798.1	834.1	865.7	890.4	901.7	910.7	928.7	943.3	951.2	954.6
135°	785.7	819.5	849.9	874.7	885.9	894.9	911.8	926.5	934.3	937.7
137.5°	770.0	802.6	831.9	856.7	866.8	875.8	892.7	906.2	912.9	917.4
140°	752.0	782.4	812.8	835.3	845.4	854.4	869.0	883.7	890.4	893.8
142.5°	732.8	763.2	790.2	812.8	821.8	830.8	845.4	858.9	865.7	866.8
145°	712.6	741.8	766.6	788.0	795.9	804.9	818.4	831.9	838.6	839.8
147.5°	690.1	717.1	740.7	761.0	770.0	776.7	789.1	801.5	808.3	809.4
150°	664.2	688.9	710.3	730.6	738.5	745.2	758.7	770.0	776.7	777.9
152.5°	639.4	663.0	681.1	699.1	706.9	713.7	725.0	736.2	743.0	744.1
155°	613.5	634.9	652.9	667.5	674.3	681.1	690.1	700.2	705.8	706.9
157.5°	586.5	606.8	622.5	636.0	642.8	648.4	656.3	665.3	668.7	670.9
160°	557.2	574.1	587.6	601.1	606.8	612.4	620.3	627.0	631.5	632.6
162.5°	525.7	540.3	551.6	564.0	567.4	571.9	579.7	586.5	589.9	591.0
165°	493.1	506.6	516.7	526.8	529.1	532.5	538.1	544.8	547.1	549.3
167.5°	460.4	471.7	478.4	487.4	490.8	493.1	498.7	503.2	505.4	506.6
170°	428.9	436.8	442.4	449.2	450.3	453.7	457.0	461.5	462.7	462.7
172.5°	404.1	407.5	410.9	413.1	414.3	415.4	417.6	418.8	418.8	418.8
175°	388.4	390.6	390.6	391.7	391.7	391.7	391.7	391.7	391.7	391.7
177.5°	379.4	379.4	379.4	378.2	378.2	378.2	378.2	377.1	377.1	377.1
180°	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1	377.1

(END OF REPORT)