

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: P395739

Luminaire Tested: **I3-UL-50L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395739
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 (3500K)
Description: CORELITE I3, OPEN TOP
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4315.6 lumens
Efficiency: N/A
Efficacy: 121.2 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

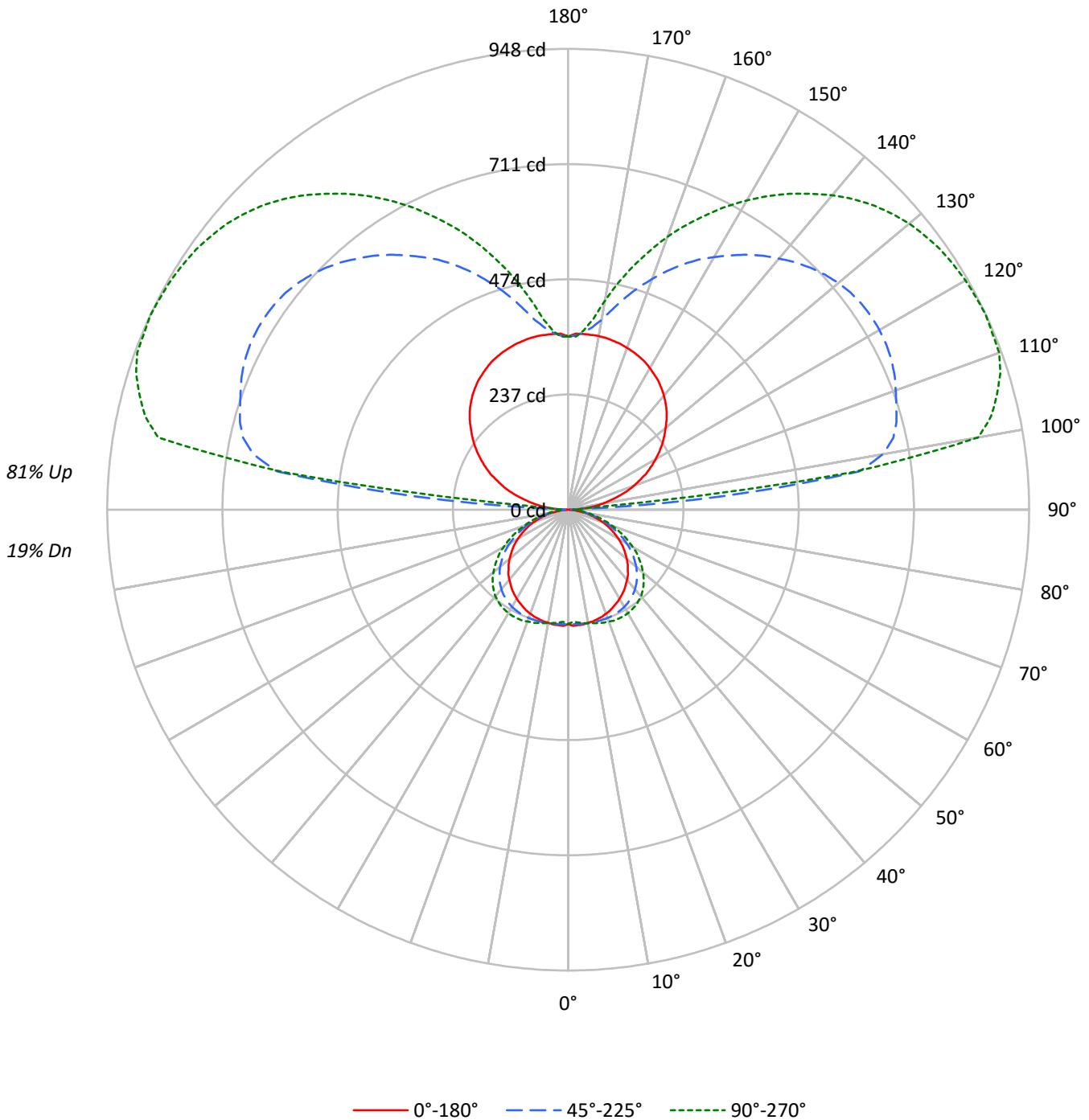
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395739

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3500K)

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°	1292	1292	1292
5°	1309	1273	1249
10°	1308	1265	1250
15°	1310	1260	1261
20°	1311	1265	1276
25°	1309	1269	1295
30°	1311	1270	1308
35°	1310	1264	1313
40°	1304	1254	1306
45°	1293	1228	1277
50°	1281	1188	1230
55°	1258	1130	1160
60°	1219	1049	1068
65°	1166	934	952
70°	1102	810	803
75°	955	635	644
80°	760	457	465
85°	450	266	307



TEST NUMBER: P395739

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	0.5
10°-20°	67.1	1.6
20°-30°	107.9	2.5
30°-40°	138.8	3.2
40°-50°	152.5	3.5
50°-60°	143.3	3.3
60°-70°	111.3	2.6
70°-80°	63.9	1.5
80°-90°	20.5	0.5
90°-100°	275.9	6.4
100°-110°	655.6	15.2
110°-120°	658.6	15.3
120°-130°	603.9	14.0
130°-140°	505.0	11.7
140°-150°	379.0	8.8
150°-160°	246.7	5.7
160°-170°	127.1	2.9
170°-180°	36.0	0.8
0°-30°	197.5	4.6
0°-40°	336.3	7.8
0°-60°	632.1	14.6
0°-90°	827.8	19.2
90°-120°	1590.0	36.8
90°-150°	3078.0	71.3
90°-180°	3488.0	80.8
0°-180°	4315.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	235	235	235	235	235	
5°	238	236	236	235	233	23
15°	233	232	237	240	241	66
25°	220	222	235	244	247	102
35°	201	206	223	237	241	126
45°	173	182	200	215	219	134
55°	139	147	163	174	179	124
65°	98	103	113	122	126	97
75°	52	54	60	66	68	56
85°	11	13	17	22	23	13
90°	1	3	6	10	11	3
95°	37	308	317	42	36	37
105°	107	414	699	862	913	114
115°	178	466	733	891	948	175
125°	236	486	737	883	934	211
135°	286	484	704	837	886	220
145°	323	464	640	752	793	202
155°	347	425	556	637	668	160
165°	360	384	451	500	519	102
175°	363	362	366	370	370	35
180°	356	356	356	356	356	



TEST NUMBER: P395739

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1
2.5°	239.3	238.2	237.2	237.2	236.1	236.1	236.1	235.1	235.1	235.1	236.1
5°	238.2	238.2	237.2	236.1	236.1	236.1	235.1	235.1	235.1	235.1	236.1
7.5°	238.2	237.2	236.1	236.1	235.1	235.1	235.1	235.1	235.1	235.1	236.1
10°	236.1	236.1	235.1	235.1	234.0	235.1	235.1	235.1	235.1	235.1	237.2
12.5°	235.1	235.1	234.0	232.9	232.9	232.9	234.0	234.0	234.0	235.1	237.2
15°	232.9	232.9	231.9	231.9	231.9	231.9	232.9	232.9	234.0	235.1	237.2
17.5°	230.8	230.8	229.7	229.7	229.7	230.8	230.8	231.9	232.9	235.1	237.2
20°	227.6	227.6	227.6	227.6	227.6	228.7	228.7	229.7	231.9	234.0	237.2
22.5°	224.4	224.4	224.4	224.4	224.4	225.5	226.5	228.7	229.7	232.9	236.1
25°	220.2	220.2	220.2	220.2	221.2	222.3	223.4	225.5	227.6	230.8	235.1
27.5°	215.9	217.0	217.0	217.0	218.0	219.1	220.2	222.3	225.5	229.7	232.9
30°	211.7	211.7	211.7	212.7	213.8	214.8	217.0	219.1	222.3	226.5	230.8
32.5°	206.3	206.3	207.4	207.4	209.5	210.6	212.7	215.9	219.1	223.4	227.6
35°	201.0	201.0	201.0	203.1	204.2	206.3	207.4	210.6	214.8	219.1	223.4
37.5°	194.6	195.7	195.7	196.8	198.9	201.0	202.1	206.3	210.6	214.8	219.1
40°	188.3	189.3	189.3	190.4	193.6	194.6	196.8	201.0	204.2	209.5	213.8
42.5°	181.9	181.9	182.9	184.0	187.2	188.3	190.4	194.6	198.9	203.1	207.4
45°	173.4	174.4	175.5	176.6	179.7	181.9	184.0	187.2	191.4	195.7	200.0
47.5°	165.9	165.9	167.0	169.1	172.3	174.4	175.5	179.7	182.9	187.2	191.4
50°	157.4	158.5	158.5	160.6	163.8	165.9	167.0	171.2	174.4	178.7	182.9
52.5°	147.8	148.9	150.0	152.1	155.3	157.4	158.5	161.7	164.9	169.1	172.3
55°	139.3	140.4	140.4	142.5	145.7	146.8	148.9	151.0	155.3	158.5	162.7
57.5°	129.8	130.8	130.8	132.9	135.1	137.2	138.3	141.5	144.6	147.8	151.0
60°	119.1	120.2	121.2	122.3	124.4	126.6	127.6	129.8	132.9	136.1	139.3
62.5°	108.5	109.5	110.6	111.7	113.8	114.9	115.9	119.1	121.2	124.4	126.6
65°	97.8	98.9	100.0	101.0	102.1	103.2	104.2	106.4	108.5	111.7	112.7
67.5°	87.2	88.3	88.3	89.3	90.4	91.5	92.5	94.7	95.7	98.9	100.0
70°	76.6	76.6	76.6	77.6	77.6	78.7	79.8	81.9	83.0	85.1	87.2
72.5°	63.8	64.9	64.9	64.9	65.9	67.0	68.1	69.1	70.2	71.3	73.4
75°	52.1	53.2	52.1	53.2	54.2	54.2	55.3	56.4	57.4	58.5	59.6
77.5°	41.5	40.4	41.5	41.5	42.5	42.5	42.5	43.6	45.7	45.7	47.9
80°	29.8	29.8	29.8	29.8	30.8	30.8	31.9	31.9	34.0	35.1	36.2
82.5°	19.1	19.1	20.2	20.2	20.2	21.3	21.3	22.3	23.4	24.5	25.5
85°	10.6	10.6	10.6	11.7	11.7	12.8	12.8	13.8	14.9	16.0	17.0
87.5°	3.2	4.3	5.3	5.3	6.4	6.4	7.4	7.4	9.6	10.6	11.7
90°	1.1	1.1	2.1	2.1	2.1	3.2	3.2	4.3	4.3	5.3	6.4
92.5°	18.1	42.5	88.3	131.9	113.8	106.4	63.8	19.1	17.0	18.1	18.1
95°	37.2	70.2	128.7	208.5	270.1	308.4	334.0	382.9	432.9	424.4	316.9
97.5°	54.2	90.4	155.3	228.7	313.8	357.4	390.3	448.8	512.6	565.8	604.1
100°	71.3	108.5	177.6	254.2	332.9	372.3	410.5	490.3	553.1	606.2	657.3
102.5°	89.3	126.6	197.8	277.6	355.2	393.5	430.7	500.9	571.1	635.0	684.9
105°	107.4	145.7	215.9	297.8	375.4	413.7	449.9	516.9	581.8	641.3	698.8
107.5°	126.6	162.7	231.9	313.8	391.4	429.7	465.8	532.9	595.6	655.2	707.3
110°	143.6	178.7	247.8	328.6	406.3	444.6	480.7	547.7	609.4	665.8	716.9



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CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	159.5	193.6	262.7	341.4	418.0	456.3	491.4	558.4	620.1	675.4	726.4
115°	177.6	207.4	277.6	353.1	428.6	465.8	500.9	566.9	628.6	682.8	732.8
117.5°	192.5	221.2	290.4	362.7	437.1	473.3	507.3	573.3	633.9	688.1	737.1
120°	207.4	234.0	302.1	371.2	443.5	478.6	512.6	577.5	638.1	691.3	739.2
122.5°	222.3	246.8	311.6	379.7	448.8	483.9	516.9	580.7	640.3	692.4	739.2
125°	236.1	257.4	320.1	386.1	452.0	486.1	518.0	580.7	639.2	690.3	737.1
127.5°	248.9	269.1	326.5	392.5	454.1	487.1	518.0	578.6	637.1	687.1	732.8
130°	261.6	279.7	332.9	395.7	456.3	486.1	515.8	574.3	631.8	681.8	725.4
132.5°	274.4	291.4	338.2	398.8	457.3	486.1	513.7	570.1	625.4	674.3	715.8
135°	286.1	299.9	343.5	401.0	456.3	483.9	509.5	562.6	615.8	663.7	704.1
137.5°	296.7	308.4	347.8	402.0	455.2	480.7	506.3	554.1	604.1	650.9	690.3
140°	306.3	316.9	349.9	402.0	451.0	476.5	499.9	545.6	591.3	636.0	674.3
142.5°	314.8	324.4	353.1	399.9	446.7	471.2	493.5	537.1	578.6	621.1	658.4
145°	323.3	330.8	355.2	398.8	441.4	463.7	485.0	526.5	566.9	605.2	640.3
147.5°	329.7	337.2	357.4	394.6	435.0	455.2	475.4	514.8	552.0	588.2	620.1
150°	336.1	342.5	358.4	390.3	427.6	445.6	463.7	500.9	537.1	570.1	599.9
152.5°	342.5	346.7	361.6	386.1	419.0	436.1	454.1	487.1	520.1	550.9	579.7
155°	346.7	349.9	362.7	381.8	410.5	425.4	440.3	471.2	500.9	529.7	556.3
157.5°	351.0	354.2	363.7	378.6	401.0	414.8	427.6	454.1	481.8	507.3	531.8
160°	354.2	356.3	363.7	376.5	392.5	402.0	413.7	438.2	461.6	483.9	505.2
162.5°	357.4	358.4	363.7	373.3	385.0	391.4	399.9	419.0	440.3	459.5	478.6
165°	359.5	360.6	363.7	371.2	378.6	384.0	388.2	402.0	418.0	435.0	451.0
167.5°	361.6	361.6	363.7	369.1	373.3	376.5	379.7	387.1	397.8	410.5	422.2
170°	362.7	362.7	363.7	366.9	370.1	371.2	373.3	377.6	382.9	389.3	396.7
172.5°	362.7	362.7	362.7	364.8	365.9	365.9	365.9	368.0	371.2	375.4	378.6
175°	362.7	361.6	361.6	362.7	361.6	361.6	361.6	361.6	362.7	364.8	365.9
177.5°	362.7	361.6	360.6	360.6	359.5	359.5	358.4	358.4	358.4	358.4	358.4
180°	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3



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CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1
2.5°	236.1	236.1	235.1	234.0	234.0	234.0	232.9	231.9	230.8	230.8
5°	236.1	236.1	235.1	235.1	235.1	235.1	234.0	234.0	232.9	232.9
7.5°	237.2	236.1	236.1	236.1	236.1	236.1	236.1	236.1	235.1	235.1
10°	237.2	237.2	237.2	237.2	237.2	237.2	237.2	237.2	237.2	237.2
12.5°	238.2	238.2	238.2	238.2	239.3	239.3	239.3	239.3	239.3	239.3
15°	238.2	239.3	240.4	240.4	240.4	241.4	241.4	241.4	241.4	241.4
17.5°	239.3	240.4	241.4	241.4	242.5	242.5	243.6	243.6	243.6	243.6
20°	239.3	240.4	241.4	242.5	243.6	243.6	244.6	245.7	245.7	244.6
22.5°	238.2	240.4	241.4	242.5	243.6	244.6	245.7	246.8	246.8	246.8
25°	237.2	239.3	241.4	243.6	243.6	244.6	246.8	246.8	246.8	246.8
27.5°	236.1	238.2	240.4	242.5	243.6	244.6	245.7	246.8	246.8	246.8
30°	234.0	237.2	239.3	241.4	242.5	243.6	244.6	245.7	245.7	245.7
32.5°	230.8	234.0	236.1	239.3	240.4	241.4	242.5	243.6	243.6	243.6
35°	227.6	230.8	232.9	236.1	237.2	238.2	240.4	240.4	241.4	241.4
37.5°	222.3	226.5	228.7	231.9	232.9	234.0	236.1	237.2	237.2	237.2
40°	217.0	221.2	223.4	226.5	227.6	228.7	230.8	231.9	232.9	232.9
42.5°	210.6	214.8	217.0	220.2	221.2	222.3	224.4	225.5	226.5	226.5
45°	204.2	207.4	209.5	212.7	214.8	214.8	217.0	218.0	219.1	219.1
47.5°	195.7	198.9	201.0	204.2	206.3	207.4	208.5	209.5	210.6	210.6
50°	186.1	189.3	192.5	194.6	196.8	196.8	198.9	200.0	201.0	201.0
52.5°	176.6	178.7	181.9	185.1	186.1	187.2	188.3	189.3	190.4	190.4
55°	165.9	168.0	171.2	173.4	174.4	175.5	176.6	177.6	178.7	178.7
57.5°	154.2	156.3	159.5	161.7	162.7	163.8	164.9	165.9	167.0	167.0
60°	141.5	143.6	146.8	148.9	150.0	150.0	152.1	153.2	153.2	153.2
62.5°	128.7	130.8	132.9	135.1	136.1	137.2	138.3	139.3	139.3	139.3
65°	115.9	118.1	120.2	121.2	122.3	122.3	123.4	124.4	125.5	125.5
67.5°	102.1	104.2	106.4	107.4	108.5	108.5	109.5	110.6	110.6	110.6
70°	88.3	89.3	91.5	92.5	93.6	93.6	95.7	95.7	95.7	95.7
72.5°	74.5	75.5	77.6	78.7	79.8	79.8	80.8	81.9	81.9	81.9
75°	61.7	62.8	63.8	65.9	65.9	65.9	67.0	68.1	68.1	68.1
77.5°	48.9	50.0	51.1	52.1	53.2	53.2	54.2	55.3	55.3	55.3
80°	37.2	38.3	39.4	40.4	40.4	41.5	41.5	42.5	42.5	42.5
82.5°	26.6	27.7	28.7	29.8	30.8	30.8	31.9	33.0	33.0	31.9
85°	18.1	20.2	21.3	22.3	22.3	22.3	23.4	24.5	24.5	23.4
87.5°	12.8	12.8	13.8	14.9	14.9	16.0	16.0	17.0	17.0	17.0
90°	7.4	7.4	8.5	8.5	9.6	9.6	9.6	10.6	10.6	10.6
92.5°	18.1	18.1	19.1	19.1	19.1	19.1	20.2	20.2	20.2	20.2
95°	193.6	87.2	73.4	44.7	42.5	37.2	36.2	37.2	37.2	36.2
97.5°	649.8	695.6	724.3	738.1	721.1	703.0	682.8	679.6	652.0	590.3
100°	700.9	737.1	772.2	796.6	806.2	814.7	833.8	845.5	850.9	856.2
102.5°	726.4	764.7	795.6	826.4	839.2	850.9	867.9	881.7	887.0	891.3
105°	748.8	788.1	822.1	849.8	861.5	872.1	889.2	901.9	911.5	912.6
107.5°	754.1	795.6	833.8	867.9	881.7	893.4	913.6	923.2	931.7	931.7
110°	763.6	803.0	838.1	868.9	882.8	896.6	917.9	932.8	941.3	943.4



TEST NUMBER: P395739

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	771.1	811.5	844.5	875.3	887.0	899.8	920.0	933.8	941.3	944.5
115°	777.5	816.8	849.8	878.5	891.3	904.0	924.2	935.9	944.5	947.6
117.5°	781.7	820.0	853.0	879.6	893.4	904.0	923.2	935.9	944.5	945.5
120°	782.8	821.1	853.0	879.6	891.3	903.0	922.1	934.9	943.4	943.4
122.5°	782.8	820.0	851.9	877.5	888.1	898.7	916.8	931.7	939.1	939.1
125°	778.5	815.8	846.6	872.1	882.8	892.3	911.5	925.3	932.8	933.8
127.5°	772.2	808.3	839.2	864.7	875.3	883.8	904.0	916.8	924.2	925.3
130°	763.6	799.8	829.6	854.1	864.7	874.3	891.3	905.1	913.6	915.7
132.5°	754.1	788.1	817.9	841.3	851.9	860.4	877.5	891.3	898.7	901.9
135°	742.4	774.3	803.0	826.4	837.0	845.5	861.5	875.3	882.8	886.0
137.5°	727.5	758.3	786.0	809.4	819.0	827.5	843.4	856.2	862.6	866.8
140°	710.5	739.2	767.9	789.2	798.7	807.3	821.1	834.9	841.3	844.5
142.5°	692.4	721.1	746.6	767.9	776.4	784.9	798.7	811.5	817.9	819.0
145°	673.2	700.9	724.3	744.5	751.9	760.5	773.2	786.0	792.4	793.4
147.5°	652.0	677.5	699.8	719.0	727.5	733.9	745.6	757.3	763.6	764.7
150°	627.5	650.9	671.1	690.3	697.7	704.1	716.9	727.5	733.9	734.9
152.5°	604.1	626.4	643.5	660.5	667.9	674.3	684.9	695.6	702.0	703.0
155°	579.7	599.9	616.9	630.7	637.1	643.5	652.0	661.5	666.9	667.9
157.5°	554.1	573.3	588.2	600.9	607.3	612.6	620.1	628.6	631.8	633.9
160°	526.5	542.4	555.2	568.0	573.3	578.6	586.0	592.4	596.7	597.7
162.5°	496.7	510.5	521.2	532.9	536.0	540.3	547.7	554.1	557.3	558.4
165°	465.8	478.6	488.2	497.8	499.9	503.1	508.4	514.8	516.9	519.0
167.5°	435.0	445.6	452.0	460.5	463.7	465.8	471.2	475.4	477.5	478.6
170°	405.2	412.7	418.0	424.4	425.4	428.6	431.8	436.1	437.1	437.1
172.5°	381.8	385.0	388.2	390.3	391.4	392.5	394.6	395.7	395.7	395.7
175°	366.9	369.1	369.1	370.1	370.1	370.1	370.1	370.1	370.1	370.1
177.5°	358.4	358.4	358.4	357.4	357.4	357.4	357.4	356.3	356.3	356.3
180°	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3	356.3

(END OF REPORT)