

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: P395731

Luminaire Tested: **I3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395731
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-50L82765-1D-UNV-W2A-W-4 (6500K)
Description: CORELITE I3, OPEN TOP
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5268.5 lumens
Efficiency: N/A
Efficacy: 142.0 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

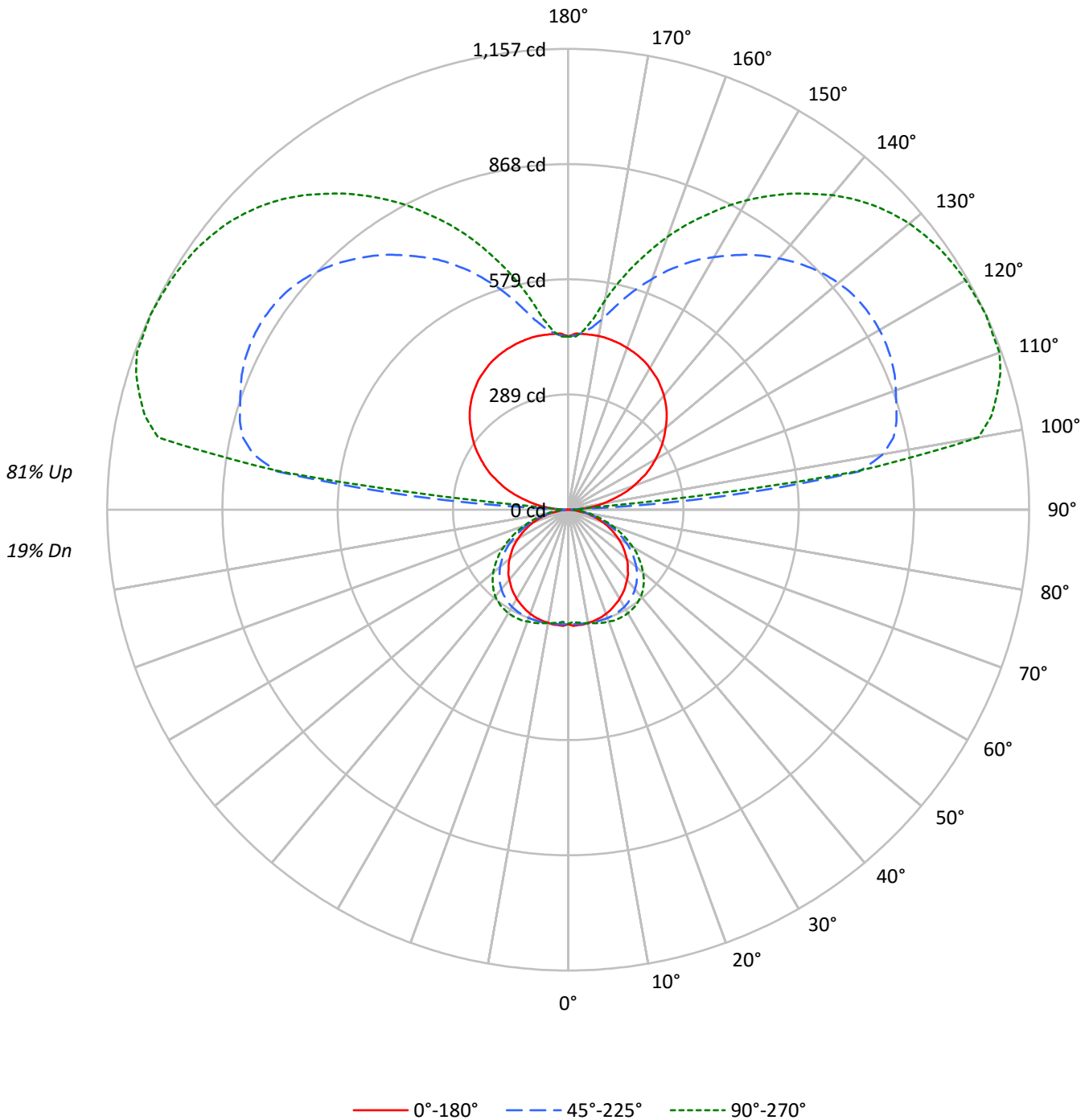
Input Watts (W): 37.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395731

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395731

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)

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°	1577	1577	1577
5°	1599	1554	1525
10°	1597	1543	1526
15°	1600	1538	1539
20°	1601	1544	1558
25°	1598	1548	1581
30°	1601	1551	1596
35°	1599	1543	1603
40°	1592	1531	1595
45°	1578	1499	1559
50°	1564	1450	1502
55°	1537	1380	1416
60°	1489	1280	1303
65°	1424	1140	1162
70°	1345	989	981
75°	1166	775	786
80°	928	557	568
85°	552	325	375



TEST NUMBER: P395731

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	0.5
10°-20°	81.9	1.6
20°-30°	131.7	2.5
30°-40°	169.5	3.2
40°-50°	186.2	3.5
50°-60°	175.0	3.3
60°-70°	135.9	2.6
70°-80°	78.0	1.5
80°-90°	25.0	0.5
90°-100°	336.8	6.4
100°-110°	800.3	15.2
110°-120°	804.0	15.3
120°-130°	737.3	14.0
130°-140°	616.5	11.7
140°-150°	462.7	8.8
150°-160°	301.2	5.7
160°-170°	155.1	2.9
170°-180°	43.9	0.8
0°-30°	241.0	4.6
0°-40°	410.5	7.8
0°-60°	771.7	14.6
0°-90°	1010.6	19.2
90°-120°	1941.1	36.8
90°-150°	3757.6	71.3
90°-180°	4258.0	80.8
0°-180°	5268.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	287	287	287	287	287	
5°	291	288	288	287	284	28
15°	284	283	290	293	295	80
25°	269	271	287	297	301	124
35°	245	252	273	290	295	153
45°	212	222	244	262	268	164
55°	170	179	199	213	218	152
65°	120	126	138	149	153	118
75°	64	66	73	80	83	68
85°	13	16	21	27	29	15
90°	1	4	8	12	13	4
95°	45	376	387	52	44	45
105°	131	505	853	1052	1114	139
115°	217	569	895	1088	1157	213
125°	288	593	900	1078	1140	257
135°	349	591	860	1022	1082	269
145°	395	566	782	918	969	247
155°	423	519	679	778	815	195
165°	439	469	550	610	634	124
175°	443	442	447	452	452	42
180°	435	435	435	435	435	



TEST NUMBER: P395731

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9
2.5°	292.1	290.8	289.5	289.5	288.2	288.2	288.2	286.9	286.9	286.9	288.2
5°	290.8	290.8	289.5	288.2	288.2	288.2	286.9	286.9	286.9	286.9	288.2
7.5°	290.8	289.5	288.2	288.2	286.9	286.9	286.9	286.9	286.9	286.9	288.2
10°	288.2	288.2	286.9	286.9	285.7	286.9	286.9	286.9	286.9	286.9	289.5
12.5°	286.9	286.9	285.7	284.4	284.4	284.4	285.7	285.7	285.7	286.9	289.5
15°	284.4	284.4	283.1	283.1	283.1	283.1	284.4	284.4	285.7	286.9	289.5
17.5°	281.8	281.8	280.5	280.5	280.5	281.8	281.8	283.1	284.4	286.9	289.5
20°	277.9	277.9	277.9	277.9	277.9	279.2	279.2	280.5	283.1	285.7	289.5
22.5°	274.0	274.0	274.0	274.0	274.0	275.3	276.6	279.2	280.5	284.4	288.2
25°	268.8	268.8	268.8	268.8	270.1	271.4	272.7	275.3	277.9	281.8	286.9
27.5°	263.6	264.9	264.9	264.9	266.2	267.5	268.8	271.4	275.3	280.5	284.4
30°	258.4	258.4	258.4	259.7	261.0	262.3	264.9	267.5	271.4	276.6	281.8
32.5°	251.9	251.9	253.2	253.2	255.8	257.1	259.7	263.6	267.5	272.7	277.9
35°	245.4	245.4	245.4	248.0	249.3	251.9	253.2	257.1	262.3	267.5	272.7
37.5°	237.6	238.9	238.9	240.2	242.8	245.4	246.7	251.9	257.1	262.3	267.5
40°	229.8	231.1	231.1	232.4	236.3	237.6	240.2	245.4	249.3	255.8	261.0
42.5°	222.0	222.0	223.3	224.6	228.5	229.8	232.4	237.6	242.8	248.0	253.2
45°	211.6	212.9	214.2	215.5	219.4	222.0	224.6	228.5	233.7	238.9	244.1
47.5°	202.6	202.6	203.9	206.4	210.3	212.9	214.2	219.4	223.3	228.5	233.7
50°	192.2	193.5	193.5	196.1	200.0	202.6	203.9	209.0	212.9	218.1	223.3
52.5°	180.5	181.8	183.1	185.7	189.6	192.2	193.5	197.4	201.3	206.4	210.3
55°	170.1	171.4	171.4	174.0	177.9	179.2	181.8	184.4	189.6	193.5	198.7
57.5°	158.4	159.7	159.7	162.3	164.9	167.5	168.8	172.7	176.6	180.5	184.4
60°	145.4	146.7	148.0	149.3	151.9	154.5	155.8	158.4	162.3	166.2	170.1
62.5°	132.4	133.7	135.0	136.3	138.9	140.2	141.5	145.4	148.0	151.9	154.5
65°	119.5	120.8	122.1	123.3	124.6	125.9	127.2	129.8	132.4	136.3	137.6
67.5°	106.5	107.8	107.8	109.1	110.4	111.7	113.0	115.6	116.9	120.8	122.1
70°	93.5	93.5	93.5	94.8	94.8	96.1	97.4	100.0	101.3	103.9	106.5
72.5°	77.9	79.2	79.2	79.2	80.5	81.8	83.1	84.4	85.7	87.0	89.6
75°	63.6	64.9	63.6	64.9	66.2	66.2	67.5	68.8	70.1	71.4	72.7
77.5°	50.6	49.3	50.6	50.6	51.9	51.9	51.9	53.2	55.8	55.8	58.4
80°	36.4	36.4	36.4	36.4	37.7	37.7	39.0	39.0	41.5	42.8	44.1
82.5°	23.4	23.4	24.7	24.7	24.7	26.0	26.0	27.3	28.6	29.9	31.2
85°	13.0	13.0	13.0	14.3	14.3	15.6	15.6	16.9	18.2	19.5	20.8
87.5°	3.9	5.2	6.5	6.5	7.8	7.8	9.1	9.1	11.7	13.0	14.3
90°	1.3	1.3	2.6	2.6	2.6	3.9	3.9	5.2	5.2	6.5	7.8
92.5°	22.1	51.9	107.8	161.0	138.9	129.8	77.9	23.4	20.8	22.1	22.1
95°	45.4	85.7	157.1	254.5	329.8	376.5	407.7	467.4	528.5	518.1	386.9
97.5°	66.2	110.4	189.6	279.2	383.0	436.3	476.5	547.9	625.8	690.8	737.5
100°	87.0	132.4	216.8	310.3	406.4	454.4	501.2	598.6	675.2	740.1	802.4
102.5°	109.1	154.5	241.5	338.9	433.7	480.4	525.9	611.6	697.2	775.2	836.2
105°	131.1	177.9	263.6	363.6	458.3	505.1	549.2	631.0	710.2	782.9	853.1
107.5°	154.5	198.7	283.1	383.0	477.8	524.6	568.7	650.5	727.1	799.8	863.4
110°	175.3	218.1	302.5	401.2	496.0	542.7	586.9	668.7	744.0	812.8	875.1



TEST NUMBER: P395731

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	194.8	236.3	320.7	416.8	510.3	557.0	599.9	681.7	757.0	824.5	886.8
115°	216.8	253.2	338.9	431.1	523.3	568.7	611.6	692.1	767.4	833.6	894.6
117.5°	235.0	270.1	354.5	442.8	533.6	577.8	619.3	699.8	773.9	840.1	899.8
120°	253.2	285.7	368.7	453.1	541.4	584.3	625.8	705.0	779.0	844.0	902.4
122.5°	271.4	301.2	380.4	463.5	547.9	590.8	631.0	708.9	781.6	845.3	902.4
125°	288.2	314.2	390.8	471.3	551.8	593.4	632.3	708.9	780.3	842.7	899.8
127.5°	303.8	328.5	398.6	479.1	554.4	594.7	632.3	706.3	777.7	838.8	894.6
130°	319.4	341.5	406.4	483.0	557.0	593.4	629.7	701.1	771.3	832.3	885.5
132.5°	335.0	355.8	412.9	486.9	558.3	593.4	627.1	695.9	763.5	823.2	873.8
135°	349.3	366.2	419.4	489.5	557.0	590.8	621.9	686.9	751.8	810.2	859.5
137.5°	362.3	376.5	424.6	490.8	555.7	586.9	618.0	676.5	737.5	794.6	842.7
140°	373.9	386.9	427.2	490.8	550.5	581.7	610.3	666.1	721.9	776.4	823.2
142.5°	384.3	396.0	431.1	488.2	545.3	575.2	602.5	655.7	706.3	758.3	803.7
145°	394.7	403.8	433.7	486.9	538.8	566.1	592.1	642.7	692.1	738.8	781.6
147.5°	402.5	411.6	436.3	481.7	531.0	555.7	580.4	628.4	673.9	718.0	757.0
150°	410.3	418.1	437.6	476.5	522.0	544.0	566.1	611.6	655.7	695.9	732.3
152.5°	418.1	423.3	441.5	471.3	511.6	532.3	554.4	594.7	634.9	672.6	707.6
155°	423.3	427.2	442.8	466.1	501.2	519.4	537.5	575.2	611.6	646.6	679.1
157.5°	428.5	432.4	444.1	462.2	489.5	506.4	522.0	554.4	588.2	619.3	649.2
160°	432.4	435.0	444.1	459.6	479.1	490.8	505.1	534.9	563.5	590.8	616.7
162.5°	436.3	437.6	444.1	455.7	470.0	477.8	488.2	511.6	537.5	560.9	584.3
165°	438.9	440.2	444.1	453.1	462.2	468.7	473.9	490.8	510.3	531.0	550.5
167.5°	441.5	441.5	444.1	450.5	455.7	459.6	463.5	472.6	485.6	501.2	515.5
170°	442.8	442.8	444.1	448.0	451.8	453.1	455.7	460.9	467.4	475.2	484.3
172.5°	442.8	442.8	442.8	445.4	446.7	446.7	446.7	449.2	453.1	458.3	462.2
175°	442.8	441.5	441.5	442.8	441.5	441.5	441.5	441.5	442.8	445.4	446.7
177.5°	442.8	441.5	440.2	440.2	438.9	438.9	437.6	437.6	437.6	437.6	437.6
180°	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0



TEST NUMBER: P395731

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9	286.9
2.5°	288.2	288.2	286.9	285.7	285.7	285.7	284.4	283.1	281.8	281.8
5°	288.2	288.2	286.9	286.9	286.9	286.9	285.7	285.7	284.4	284.4
7.5°	289.5	288.2	288.2	288.2	288.2	288.2	288.2	288.2	286.9	286.9
10°	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5	289.5
12.5°	290.8	290.8	290.8	290.8	292.1	292.1	292.1	292.1	292.1	292.1
15°	290.8	292.1	293.4	293.4	293.4	294.7	294.7	294.7	294.7	294.7
17.5°	292.1	293.4	294.7	294.7	296.0	296.0	297.3	297.3	297.3	297.3
20°	292.1	293.4	294.7	296.0	297.3	297.3	298.6	299.9	299.9	298.6
22.5°	290.8	293.4	294.7	296.0	297.3	298.6	299.9	301.2	301.2	301.2
25°	289.5	292.1	294.7	297.3	297.3	298.6	301.2	301.2	301.2	301.2
27.5°	288.2	290.8	293.4	296.0	297.3	298.6	299.9	301.2	301.2	301.2
30°	285.7	289.5	292.1	294.7	296.0	297.3	298.6	299.9	299.9	299.9
32.5°	281.8	285.7	288.2	292.1	293.4	294.7	296.0	297.3	297.3	297.3
35°	277.9	281.8	284.4	288.2	289.5	290.8	293.4	293.4	294.7	294.7
37.5°	271.4	276.6	279.2	283.1	284.4	285.7	288.2	289.5	289.5	289.5
40°	264.9	270.1	272.7	276.6	277.9	279.2	281.8	283.1	284.4	284.4
42.5°	257.1	262.3	264.9	268.8	270.1	271.4	274.0	275.3	276.6	276.6
45°	249.3	253.2	255.8	259.7	262.3	262.3	264.9	266.2	267.5	267.5
47.5°	238.9	242.8	245.4	249.3	251.9	253.2	254.5	255.8	257.1	257.1
50°	227.2	231.1	235.0	237.6	240.2	240.2	242.8	244.1	245.4	245.4
52.5°	215.5	218.1	222.0	225.9	227.2	228.5	229.8	231.1	232.4	232.4
55°	202.6	205.1	209.0	211.6	212.9	214.2	215.5	216.8	218.1	218.1
57.5°	188.3	190.9	194.8	197.4	198.7	200.0	201.3	202.6	203.9	203.9
60°	172.7	175.3	179.2	181.8	183.1	183.1	185.7	187.0	187.0	187.0
62.5°	157.1	159.7	162.3	164.9	166.2	167.5	168.8	170.1	170.1	170.1
65°	141.5	144.1	146.7	148.0	149.3	149.3	150.6	151.9	153.2	153.2
67.5°	124.6	127.2	129.8	131.1	132.4	132.4	133.7	135.0	135.0	135.0
70°	107.8	109.1	111.7	113.0	114.3	114.3	116.9	116.9	116.9	116.9
72.5°	90.9	92.2	94.8	96.1	97.4	97.4	98.7	100.0	100.0	100.0
75°	75.3	76.6	77.9	80.5	80.5	80.5	81.8	83.1	83.1	83.1
77.5°	59.7	61.0	62.3	63.6	64.9	64.9	66.2	67.5	67.5	67.5
80°	45.4	46.7	48.0	49.3	49.3	50.6	50.6	51.9	51.9	51.9
82.5°	32.5	33.8	35.1	36.4	37.7	37.7	39.0	40.3	40.3	39.0
85°	22.1	24.7	26.0	27.3	27.3	27.3	28.6	29.9	29.9	28.6
87.5°	15.6	15.6	16.9	18.2	18.2	19.5	19.5	20.8	20.8	20.8
90°	9.1	9.1	10.4	10.4	11.7	11.7	11.7	13.0	13.0	13.0
92.5°	22.1	22.1	23.4	23.4	23.4	23.4	24.7	24.7	24.7	24.7
95°	236.3	106.5	89.6	54.5	51.9	45.4	44.1	45.4	45.4	44.1
97.5°	793.3	849.2	884.2	901.1	880.3	858.2	833.6	829.7	795.9	720.6
100°	855.7	899.8	942.6	972.5	984.2	994.6	1018.0	1032.2	1038.7	1045.2
102.5°	886.8	933.6	971.2	1008.9	1024.4	1038.7	1059.5	1076.4	1082.9	1088.1
105°	914.1	962.1	1003.7	1037.4	1051.7	1064.7	1085.5	1101.1	1112.7	1114.0
107.5°	920.6	971.2	1018.0	1059.5	1076.4	1090.7	1115.3	1127.0	1137.4	1137.4
110°	932.3	980.3	1023.1	1060.8	1077.7	1094.6	1120.5	1138.7	1149.1	1151.7



TEST NUMBER: P395731

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	941.3	990.7	1030.9	1068.6	1082.9	1098.5	1123.1	1140.0	1149.1	1153.0
115°	949.1	997.2	1037.4	1072.5	1088.1	1103.6	1128.3	1142.6	1153.0	1156.9
117.5°	954.3	1001.1	1041.3	1073.8	1090.7	1103.6	1127.0	1142.6	1153.0	1154.3
120°	955.6	1002.4	1041.3	1073.8	1088.1	1102.4	1125.7	1141.3	1151.7	1151.7
122.5°	955.6	1001.1	1040.0	1071.2	1084.2	1097.2	1119.2	1137.4	1146.5	1146.5
125°	950.4	995.9	1033.5	1064.7	1077.7	1089.4	1112.7	1129.6	1138.7	1140.0
127.5°	942.6	986.8	1024.4	1055.6	1068.6	1079.0	1103.6	1119.2	1128.3	1129.6
130°	932.3	976.4	1012.8	1042.6	1055.6	1067.3	1088.1	1104.9	1115.3	1117.9
132.5°	920.6	962.1	998.5	1027.0	1040.0	1050.4	1071.2	1088.1	1097.2	1101.1
135°	906.3	945.2	980.3	1008.9	1021.8	1032.2	1051.7	1068.6	1077.7	1081.6
137.5°	888.1	925.8	959.5	988.1	999.8	1010.2	1029.6	1045.2	1053.0	1058.2
140°	867.3	902.4	937.5	963.4	975.1	985.5	1002.4	1019.3	1027.0	1030.9
142.5°	845.3	880.3	911.5	937.5	947.8	958.2	975.1	990.7	998.5	999.8
145°	821.9	855.7	884.2	908.9	918.0	928.4	943.9	959.5	967.3	968.6
147.5°	795.9	827.1	854.4	877.7	888.1	895.9	910.2	924.5	932.3	933.6
150°	766.1	794.6	819.3	842.7	851.8	859.5	875.1	888.1	895.9	897.2
152.5°	737.5	764.8	785.5	806.3	815.4	823.2	836.2	849.2	857.0	858.2
155°	707.6	732.3	753.1	770.0	777.7	785.5	795.9	807.6	814.1	815.4
157.5°	676.5	699.8	718.0	733.6	741.4	747.9	757.0	767.4	771.3	773.9
160°	642.7	662.2	677.8	693.4	699.8	706.3	715.4	723.2	728.4	729.7
162.5°	606.4	623.2	636.2	650.5	654.4	659.6	668.7	676.5	680.4	681.7
165°	568.7	584.3	596.0	607.7	610.3	614.1	620.6	628.4	631.0	633.6
167.5°	531.0	544.0	551.8	562.2	566.1	568.7	575.2	580.4	583.0	584.3
170°	494.7	503.8	510.3	518.1	519.4	523.3	527.2	532.3	533.6	533.6
172.5°	466.1	470.0	473.9	476.5	477.8	479.1	481.7	483.0	483.0	483.0
175°	448.0	450.5	450.5	451.8	451.8	451.8	451.8	451.8	451.8	451.8
177.5°	437.6	437.6	437.6	436.3	436.3	436.3	436.3	435.0	435.0	435.0
180°	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0	435.0

(END OF REPORT)