

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: P395744

Luminaire Tested: **I3-UL-50L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395744
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 (6500K)
Description: CORELITE I3, OPEN TOP
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4784.5 lumens
Efficiency: N/A
Efficacy: 128.6 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

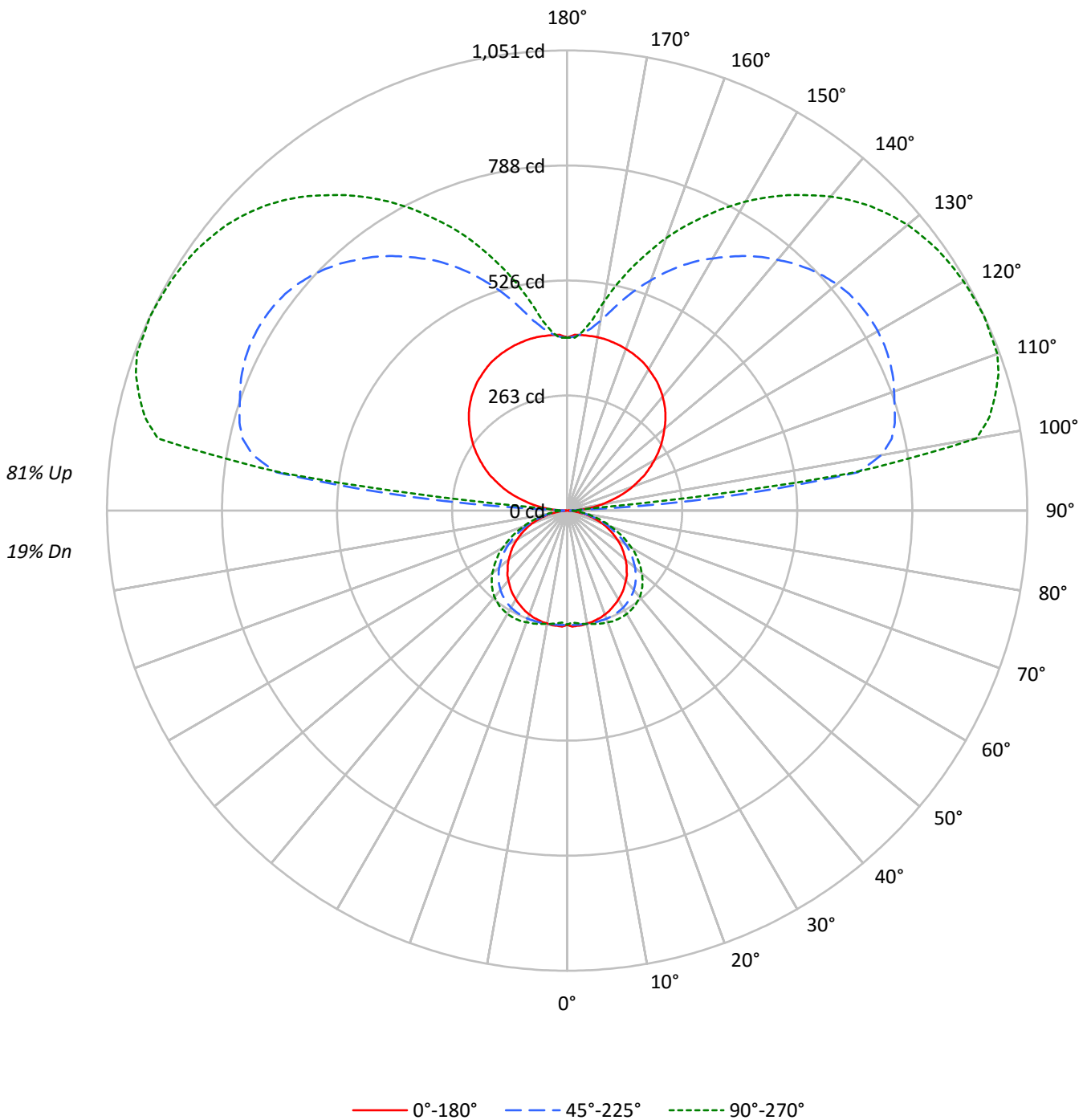
Input Watts (W): 37.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395744

CATALOG NUMBER: I3-UL-50L92765-1D-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	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°	1432	1432	1432
5°	1452	1412	1384
10°	1450	1402	1386
15°	1453	1397	1398
20°	1453	1402	1415
25°	1452	1406	1436
30°	1453	1408	1450
35°	1452	1401	1456
40°	1446	1390	1448
45°	1433	1361	1416
50°	1420	1317	1364
55°	1396	1253	1286
60°	1352	1163	1183
65°	1293	1035	1055
70°	1222	898	890
75°	1059	704	715
80°	841	506	517
85°	501	295	340



TEST NUMBER: P395744

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	0.5
10°-20°	74.3	1.6
20°-30°	119.6	2.5
30°-40°	153.9	3.2
40°-50°	169.1	3.5
50°-60°	158.9	3.3
60°-70°	123.5	2.6
70°-80°	70.8	1.5
80°-90°	22.7	0.5
90°-100°	305.8	6.4
100°-110°	726.8	15.2
110°-120°	730.1	15.3
120°-130°	669.6	14.0
130°-140°	559.9	11.7
140°-150°	420.2	8.8
150°-160°	273.6	5.7
160°-170°	140.9	2.9
170°-180°	39.9	0.8
0°-30°	218.9	4.6
0°-40°	372.8	7.8
0°-60°	700.8	14.6
0°-90°	917.8	19.2
90°-120°	1762.8	36.8
90°-150°	3412.4	71.3
90°-180°	3867.0	80.8
0°-180°	4784.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	261	261	261	261	261	
5°	264	262	262	261	258	25
15°	258	257	263	266	268	73
25°	244	246	261	270	274	113
35°	223	229	248	263	268	139
45°	192	202	222	238	243	149
55°	154	163	180	193	198	138
65°	108	114	125	136	139	107
75°	58	60	66	73	76	62
85°	12	14	19	25	26	14
90°	1	4	7	11	12	4
95°	41	342	351	47	40	41
105°	119	459	775	955	1012	126
115°	197	516	812	988	1051	194
125°	262	539	817	979	1035	234
135°	317	536	781	928	982	244
145°	358	514	710	834	880	224
155°	384	472	617	706	740	177
165°	398	426	500	554	575	113
175°	402	401	406	410	410	38
180°	395	395	395	395	395	



TEST NUMBER: P395744

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	265.3	264.1	262.9	262.9	261.8	261.8	261.8	260.6	260.6	260.6	261.8
5°	264.1	264.1	262.9	261.8	261.8	261.8	260.6	260.6	260.6	260.6	261.8
7.5°	264.1	262.9	261.8	261.8	260.6	260.6	260.6	260.6	260.6	260.6	261.8
10°	261.8	261.8	260.6	260.6	259.4	260.6	260.6	260.6	260.6	260.6	262.9
12.5°	260.6	260.6	259.4	258.2	258.2	258.2	259.4	259.4	259.4	260.6	262.9
15°	258.2	258.2	257.1	257.1	257.1	257.1	258.2	258.2	259.4	260.6	262.9
17.5°	255.9	255.9	254.7	254.7	254.7	255.9	255.9	257.1	258.2	260.6	262.9
20°	252.3	252.3	252.3	252.3	252.3	253.5	253.5	254.7	257.1	259.4	262.9
22.5°	248.8	248.8	248.8	248.8	248.8	250.0	251.2	253.5	254.7	258.2	261.8
25°	244.1	244.1	244.1	244.1	245.3	246.4	247.6	250.0	252.3	255.9	260.6
27.5°	239.4	240.5	240.5	240.5	241.7	242.9	244.1	246.4	250.0	254.7	258.2
30°	234.6	234.6	234.6	235.8	237.0	238.2	240.5	242.9	246.4	251.2	255.9
32.5°	228.8	228.8	229.9	229.9	232.3	233.5	235.8	239.4	242.9	247.6	252.3
35°	222.9	222.9	222.9	225.2	226.4	228.8	229.9	233.5	238.2	242.9	247.6
37.5°	215.8	217.0	217.0	218.1	220.5	222.9	224.0	228.8	233.5	238.2	242.9
40°	208.7	209.9	209.9	211.1	214.6	215.8	218.1	222.9	226.4	232.3	237.0
42.5°	201.6	201.6	202.8	204.0	207.5	208.7	211.1	215.8	220.5	225.2	229.9
45°	192.2	193.4	194.6	195.7	199.3	201.6	204.0	207.5	212.2	217.0	221.7
47.5°	183.9	183.9	185.1	187.5	191.0	193.4	194.6	199.3	202.8	207.5	212.2
50°	174.5	175.7	175.7	178.0	181.6	183.9	185.1	189.8	193.4	198.1	202.8
52.5°	163.9	165.1	166.3	168.6	172.2	174.5	175.7	179.2	182.8	187.5	191.0
55°	154.5	155.6	155.6	158.0	161.5	162.7	165.1	167.4	172.2	175.7	180.4
57.5°	143.9	145.0	145.0	147.4	149.7	152.1	153.3	156.8	160.4	163.9	167.4
60°	132.1	133.2	134.4	135.6	138.0	140.3	141.5	143.9	147.4	150.9	154.5
62.5°	120.3	121.5	122.6	123.8	126.2	127.3	128.5	132.1	134.4	138.0	140.3
65°	108.5	109.7	110.8	112.0	113.2	114.4	115.6	117.9	120.3	123.8	125.0
67.5°	96.7	97.9	97.9	99.0	100.2	101.4	102.6	104.9	106.1	109.7	110.8
70°	84.9	84.9	84.9	86.1	86.1	87.3	88.4	90.8	92.0	94.3	96.7
72.5°	70.7	71.9	71.9	71.9	73.1	74.3	75.5	76.6	77.8	79.0	81.4
75°	57.8	59.0	57.8	59.0	60.1	60.1	61.3	62.5	63.7	64.9	66.0
77.5°	46.0	44.8	46.0	46.0	47.2	47.2	47.2	48.3	50.7	50.7	53.1
80°	33.0	33.0	33.0	33.0	34.2	34.2	35.4	35.4	37.7	38.9	40.1
82.5°	21.2	21.2	22.4	22.4	22.4	23.6	23.6	24.8	25.9	27.1	28.3
85°	11.8	11.8	11.8	13.0	13.0	14.1	14.1	15.3	16.5	17.7	18.9
87.5°	3.5	4.7	5.9	5.9	7.1	7.1	8.3	8.3	10.6	11.8	13.0
90°	1.2	1.2	2.4	2.4	2.4	3.5	3.5	4.7	4.7	5.9	7.1
92.5°	20.0	47.2	97.9	146.2	126.2	117.9	70.7	21.2	18.9	20.0	20.0
95°	41.3	77.8	142.7	231.1	299.5	341.9	370.2	424.5	479.9	470.5	351.4
97.5°	60.1	100.2	172.2	253.5	347.8	396.2	432.7	497.6	568.3	627.3	669.7
100°	79.0	120.3	196.9	281.8	369.1	412.7	455.1	543.6	613.1	672.1	728.7
102.5°	99.0	140.3	219.3	307.8	393.8	436.3	477.5	555.4	633.2	703.9	759.4
105°	119.1	161.5	239.4	330.2	416.2	458.7	498.8	573.1	645.0	711.0	774.7
107.5°	140.3	180.4	257.1	347.8	433.9	476.4	516.5	590.7	660.3	726.3	784.1
110°	159.2	198.1	274.7	364.4	450.4	492.9	533.0	607.3	675.6	738.1	794.7



TEST NUMBER: P395744

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	176.9	214.6	291.2	378.5	463.4	505.8	544.8	619.0	687.4	748.7	805.3
115°	196.9	229.9	307.8	391.5	475.2	516.5	555.4	628.5	696.9	757.0	812.4
117.5°	213.4	245.3	321.9	402.1	484.6	524.7	562.4	635.6	702.8	762.9	817.1
120°	229.9	259.4	334.9	411.5	491.7	530.6	568.3	640.3	707.5	766.4	819.5
122.5°	246.4	273.6	345.5	420.9	497.6	536.5	573.1	643.8	709.8	767.6	819.5
125°	261.8	285.3	354.9	428.0	501.1	538.9	574.2	643.8	708.7	765.3	817.1
127.5°	275.9	298.3	362.0	435.1	503.5	540.0	574.2	641.4	706.3	761.7	812.4
130°	290.1	310.1	369.1	438.6	505.8	538.9	571.9	636.7	700.4	755.8	804.2
132.5°	304.2	323.1	375.0	442.2	507.0	538.9	569.5	632.0	693.3	747.6	793.6
135°	317.2	332.5	380.9	444.5	505.8	536.5	564.8	623.8	682.7	735.8	780.6
137.5°	329.0	341.9	385.6	445.7	504.7	533.0	561.3	614.3	669.7	721.6	765.3
140°	339.6	351.4	387.9	445.7	500.0	528.3	554.2	604.9	655.6	705.1	747.6
142.5°	349.0	359.6	391.5	443.4	495.2	522.4	547.1	595.5	641.4	688.6	729.9
145°	358.5	366.7	393.8	442.2	489.3	514.1	537.7	583.7	628.5	670.9	709.8
147.5°	365.5	373.8	396.2	437.5	482.3	504.7	527.1	570.7	612.0	652.1	687.4
150°	372.6	379.7	397.4	432.7	474.0	494.1	514.1	555.4	595.5	632.0	665.0
152.5°	379.7	384.4	400.9	428.0	464.6	483.4	503.5	540.0	576.6	610.8	642.6
155°	384.4	387.9	402.1	423.3	455.1	471.7	488.2	522.4	555.4	587.2	616.7
157.5°	389.1	392.7	403.3	419.8	444.5	459.9	474.0	503.5	534.1	562.4	589.6
160°	392.7	395.0	403.3	417.4	435.1	445.7	458.7	485.8	511.7	536.5	560.1
162.5°	396.2	397.4	403.3	413.9	426.8	433.9	443.4	464.6	488.2	509.4	530.6
165°	398.5	399.7	403.3	411.5	419.8	425.7	430.4	445.7	463.4	482.3	500.0
167.5°	400.9	400.9	403.3	409.2	413.9	417.4	420.9	429.2	441.0	455.1	468.1
170°	402.1	402.1	403.3	406.8	410.3	411.5	413.9	418.6	424.5	431.6	439.8
172.5°	402.1	402.1	402.1	404.4	405.6	405.6	405.6	408.0	411.5	416.2	419.8
175°	402.1	400.9	400.9	402.1	400.9	400.9	400.9	400.9	402.1	404.4	405.6
177.5°	402.1	400.9	399.7	399.7	398.5	398.5	397.4	397.4	397.4	397.4	397.4
180°	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0



TEST NUMBER: P395744

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6	260.6
2.5°	261.8	261.8	260.6	259.4	259.4	259.4	258.2	257.1	255.9	255.9
5°	261.8	261.8	260.6	260.6	260.6	260.6	259.4	259.4	258.2	258.2
7.5°	262.9	261.8	261.8	261.8	261.8	261.8	261.8	261.8	260.6	260.6
10°	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9	262.9
12.5°	264.1	264.1	264.1	264.1	265.3	265.3	265.3	265.3	265.3	265.3
15°	264.1	265.3	266.5	266.5	266.5	267.7	267.7	267.7	267.7	267.7
17.5°	265.3	266.5	267.7	267.7	268.8	268.8	270.0	270.0	270.0	270.0
20°	265.3	266.5	267.7	268.8	270.0	270.0	271.2	272.4	272.4	271.2
22.5°	264.1	266.5	267.7	268.8	270.0	271.2	272.4	273.6	273.6	273.6
25°	262.9	265.3	267.7	270.0	270.0	271.2	273.6	273.6	273.6	273.6
27.5°	261.8	264.1	266.5	268.8	270.0	271.2	272.4	273.6	273.6	273.6
30°	259.4	262.9	265.3	267.7	268.8	270.0	271.2	272.4	272.4	272.4
32.5°	255.9	259.4	261.8	265.3	266.5	267.7	268.8	270.0	270.0	270.0
35°	252.3	255.9	258.2	261.8	262.9	264.1	266.5	266.5	267.7	267.7
37.5°	246.4	251.2	253.5	257.1	258.2	259.4	261.8	262.9	262.9	262.9
40°	240.5	245.3	247.6	251.2	252.3	253.5	255.9	257.1	258.2	258.2
42.5°	233.5	238.2	240.5	244.1	245.3	246.4	248.8	250.0	251.2	251.2
45°	226.4	229.9	232.3	235.8	238.2	238.2	240.5	241.7	242.9	242.9
47.5°	217.0	220.5	222.9	226.4	228.8	229.9	231.1	232.3	233.5	233.5
50°	206.3	209.9	213.4	215.8	218.1	218.1	220.5	221.7	222.9	222.9
52.5°	195.7	198.1	201.6	205.2	206.3	207.5	208.7	209.9	211.1	211.1
55°	183.9	186.3	189.8	192.2	193.4	194.6	195.7	196.9	198.1	198.1
57.5°	171.0	173.3	176.9	179.2	180.4	181.6	182.8	183.9	185.1	185.1
60°	156.8	159.2	162.7	165.1	166.3	166.3	168.6	169.8	169.8	169.8
62.5°	142.7	145.0	147.4	149.7	150.9	152.1	153.3	154.5	154.5	154.5
65°	128.5	130.9	133.2	134.4	135.6	135.6	136.8	138.0	139.1	139.1
67.5°	113.2	115.6	117.9	119.1	120.3	120.3	121.5	122.6	122.6	122.6
70°	97.9	99.0	101.4	102.6	103.8	103.8	106.1	106.1	106.1	106.1
72.5°	82.5	83.7	86.1	87.3	88.4	88.4	89.6	90.8	90.8	90.8
75°	68.4	69.6	70.7	73.1	73.1	73.1	74.3	75.5	75.5	75.5
77.5°	54.2	55.4	56.6	57.8	59.0	59.0	60.1	61.3	61.3	61.3
80°	41.3	42.4	43.6	44.8	44.8	46.0	46.0	47.2	47.2	47.2
82.5°	29.5	30.7	31.8	33.0	34.2	34.2	35.4	36.6	36.6	35.4
85°	20.0	22.4	23.6	24.8	24.8	24.8	25.9	27.1	27.1	25.9
87.5°	14.1	14.1	15.3	16.5	16.5	17.7	17.7	18.9	18.9	18.9
90°	8.3	8.3	9.4	9.4	10.6	10.6	10.6	11.8	11.8	11.8
92.5°	20.0	20.0	21.2	21.2	21.2	21.2	22.4	22.4	22.4	22.4
95°	214.6	96.7	81.4	49.5	47.2	41.3	40.1	41.3	41.3	40.1
97.5°	720.4	771.2	803.0	818.3	799.5	779.4	757.0	753.5	722.8	654.4
100°	777.0	817.1	856.0	883.2	893.8	903.2	924.4	937.4	943.3	949.2
102.5°	805.3	847.8	882.0	916.2	930.3	943.3	962.2	977.5	983.4	988.1
105°	830.1	873.7	911.5	942.1	955.1	966.9	985.8	999.9	1010.5	1011.7
107.5°	836.0	882.0	924.4	962.2	977.5	990.5	1012.9	1023.5	1032.9	1032.9
110°	846.6	890.2	929.2	963.3	978.7	994.0	1017.6	1034.1	1043.5	1045.9



TEST NUMBER: P395744

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	854.9	899.7	936.2	970.4	983.4	997.5	1019.9	1035.3	1043.5	1047.1
115°	861.9	905.6	942.1	974.0	988.1	1002.3	1024.7	1037.6	1047.1	1050.6
117.5°	866.7	909.1	945.7	975.1	990.5	1002.3	1023.5	1037.6	1047.1	1048.2
120°	867.8	910.3	945.7	975.1	988.1	1001.1	1022.3	1036.5	1045.9	1045.9
122.5°	867.8	909.1	944.5	972.8	984.6	996.4	1016.4	1032.9	1041.2	1041.2
125°	863.1	904.4	938.6	966.9	978.7	989.3	1010.5	1025.8	1034.1	1035.3
127.5°	856.0	896.1	930.3	958.6	970.4	979.9	1002.3	1016.4	1024.7	1025.8
130°	846.6	886.7	919.7	946.8	958.6	969.2	988.1	1003.4	1012.9	1015.2
132.5°	836.0	873.7	906.8	932.7	944.5	953.9	972.8	988.1	996.4	999.9
135°	823.0	858.4	890.2	916.2	928.0	937.4	955.1	970.4	978.7	982.2
137.5°	806.5	840.7	871.4	897.3	907.9	917.4	935.1	949.2	956.3	961.0
140°	787.7	819.5	851.3	874.9	885.5	895.0	910.3	925.6	932.7	936.2
142.5°	767.6	799.5	827.7	851.3	860.8	870.2	885.5	899.7	906.8	907.9
145°	746.4	777.0	803.0	825.4	833.6	843.1	857.2	871.4	878.5	879.6
147.5°	722.8	751.1	775.9	797.1	806.5	813.6	826.6	839.5	846.6	847.8
150°	695.7	721.6	744.0	765.3	773.5	780.6	794.7	806.5	813.6	814.8
152.5°	669.7	694.5	713.4	732.2	740.5	747.6	759.4	771.2	778.2	779.4
155°	642.6	665.0	683.9	699.2	706.3	713.4	722.8	733.4	739.3	740.5
157.5°	614.3	635.6	652.1	666.2	673.3	679.2	687.4	696.9	700.4	702.8
160°	583.7	601.4	615.5	629.7	635.6	641.4	649.7	656.8	661.5	662.7
162.5°	550.7	566.0	577.8	590.7	594.3	599.0	607.3	614.3	617.9	619.0
165°	516.5	530.6	541.2	551.8	554.2	557.7	563.6	570.7	573.1	575.4
167.5°	482.3	494.1	501.1	510.6	514.1	516.5	522.4	527.1	529.4	530.6
170°	449.2	457.5	463.4	470.5	471.7	475.2	478.7	483.4	484.6	484.6
172.5°	423.3	426.8	430.4	432.7	433.9	435.1	437.5	438.6	438.6	438.6
175°	406.8	409.2	409.2	410.3	410.3	410.3	410.3	410.3	410.3	410.3
177.5°	397.4	397.4	397.4	396.2	396.2	396.2	396.2	395.0	395.0	395.0
180°	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0	395.0

(END OF REPORT)