

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: P395746

Luminaire Tested: **I3-UL-50L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395746
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-50L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, OPEN TOP
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4285.4 lumens
Efficiency: N/A
Efficacy: 118.4 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

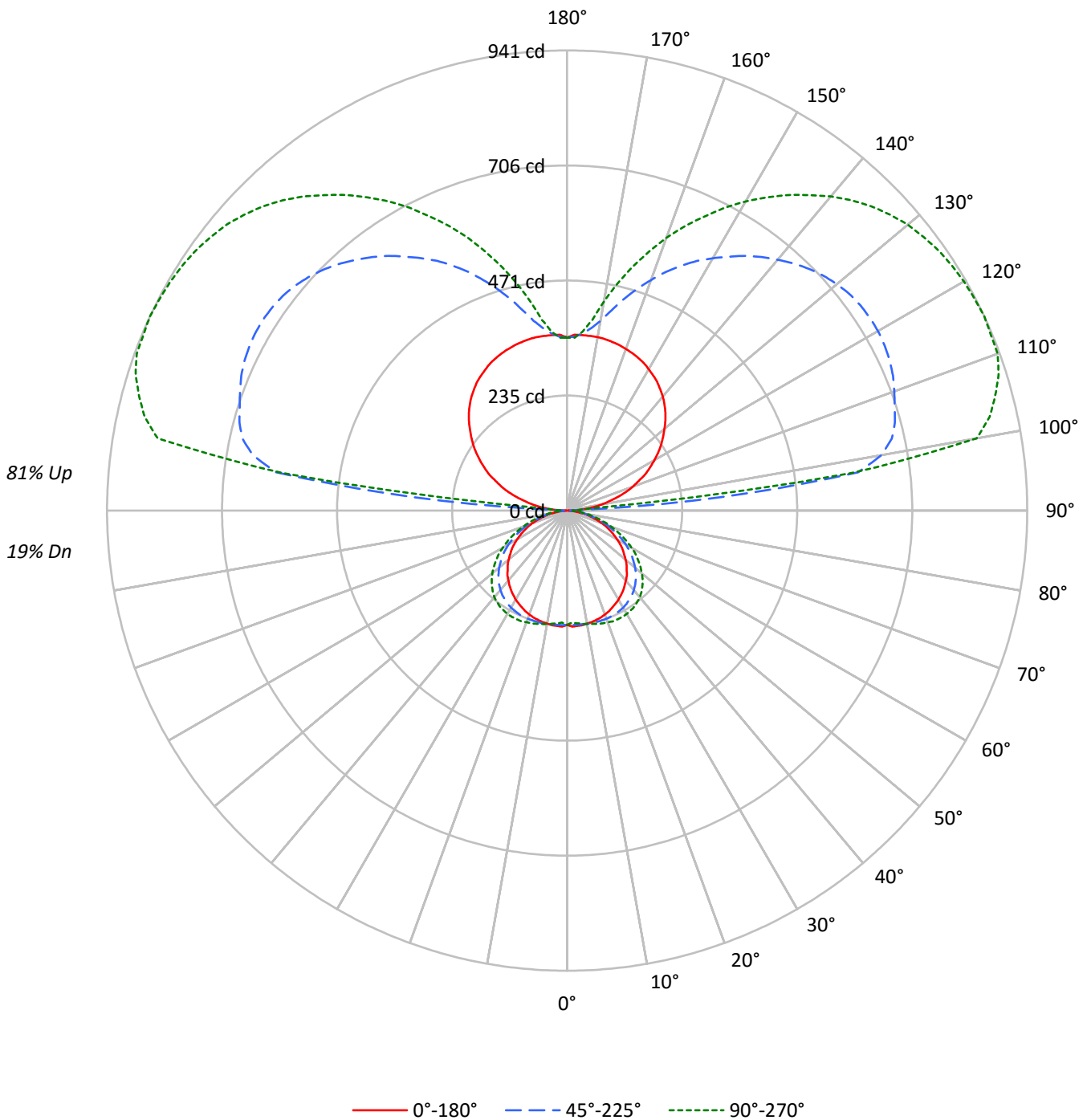
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395746

CATALOG NUMBER: I3-UL-50L93050-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395746

CATALOG NUMBER: I3-UL-50L93050-1D-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°	1283	1283	1283
5°	1301	1264	1240
10°	1299	1256	1241
15°	1301	1251	1252
20°	1302	1256	1267
25°	1300	1259	1286
30°	1302	1261	1299
35°	1301	1255	1304
40°	1295	1246	1297
45°	1283	1220	1269
50°	1272	1180	1222
55°	1250	1122	1152
60°	1211	1042	1060
65°	1158	927	945
70°	1094	804	798
75°	949	630	640
80°	755	453	462
85°	450	264	304



TEST NUMBER: P395746

CATALOG NUMBER: I3-UL-50L93050-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	0.5
10°-20°	66.6	1.6
20°-30°	107.1	2.5
30°-40°	137.9	3.2
40°-50°	151.4	3.5
50°-60°	142.3	3.3
60°-70°	110.6	2.6
70°-80°	63.4	1.5
80°-90°	20.3	0.5
90°-100°	274.0	6.4
100°-110°	651.0	15.2
110°-120°	653.9	15.3
120°-130°	599.7	14.0
130°-140°	501.5	11.7
140°-150°	376.4	8.8
150°-160°	245.0	5.7
160°-170°	126.2	2.9
170°-180°	35.7	0.8
0°-30°	196.1	4.6
0°-40°	333.9	7.8
0°-60°	627.7	14.6
0°-90°	822.0	19.2
90°-120°	1578.9	36.8
90°-150°	3056.4	71.3
90°-180°	3463.0	80.8
0°-180°	4285.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	233	233	233	233	233	
5°	237	234	234	233	231	23
15°	231	230	236	239	240	65
25°	219	221	233	242	245	101
35°	200	205	222	236	240	125
45°	172	181	199	213	218	133
55°	138	146	162	173	177	123
65°	97	102	112	122	125	96
75°	52	54	59	66	68	55
85°	11	13	17	22	23	13
90°	1	3	6	10	11	3
95°	37	306	315	42	36	37
105°	107	411	694	856	906	113
115°	176	463	728	885	941	173
125°	234	483	732	877	927	209
135°	284	480	699	831	880	219
145°	321	460	636	747	788	201
155°	344	422	552	633	663	159
165°	357	381	448	496	515	101
175°	360	359	363	368	368	34
180°	354	354	354	354	354	



TEST NUMBER: P395746

CATALOG NUMBER: I3-UL-50L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4
2.5°	237.6	236.6	235.5	235.5	234.5	234.5	234.5	233.4	233.4	233.4	234.5
5°	236.6	236.6	235.5	234.5	234.5	234.5	233.4	233.4	233.4	233.4	234.5
7.5°	236.6	235.5	234.5	234.5	233.4	233.4	233.4	233.4	233.4	233.4	234.5
10°	234.5	234.5	233.4	233.4	232.3	233.4	233.4	233.4	233.4	233.4	235.5
12.5°	233.4	233.4	232.3	231.3	231.3	231.3	232.3	232.3	232.3	233.4	235.5
15°	231.3	231.3	230.2	230.2	230.2	230.2	231.3	231.3	232.3	233.4	235.5
17.5°	229.2	229.2	228.1	228.1	228.1	229.2	229.2	230.2	231.3	233.4	235.5
20°	226.0	226.0	226.0	226.0	226.0	227.1	227.1	228.1	230.2	232.3	235.5
22.5°	222.8	222.8	222.8	222.8	222.8	223.9	225.0	227.1	228.1	231.3	234.5
25°	218.6	218.6	218.6	218.6	219.7	220.7	221.8	223.9	226.0	229.2	233.4
27.5°	214.4	215.4	215.4	215.4	216.5	217.6	218.6	220.7	223.9	228.1	231.3
30°	210.2	210.2	210.2	211.2	212.3	213.3	215.4	217.6	220.7	225.0	229.2
32.5°	204.9	204.9	205.9	205.9	208.1	209.1	211.2	214.4	217.6	221.8	226.0
35°	199.6	199.6	199.6	201.7	202.8	204.9	205.9	209.1	213.3	217.6	221.8
37.5°	193.3	194.3	194.3	195.4	197.5	199.6	200.7	204.9	209.1	213.3	217.6
40°	186.9	188.0	188.0	189.0	192.2	193.3	195.4	199.6	202.8	208.1	212.3
42.5°	180.6	180.6	181.7	182.7	185.9	186.9	189.0	193.3	197.5	201.7	205.9
45°	172.1	173.2	174.3	175.3	178.5	180.6	182.7	185.9	190.1	194.3	198.6
47.5°	164.8	164.8	165.8	167.9	171.1	173.2	174.3	178.5	181.7	185.9	190.1
50°	156.3	157.4	157.4	159.5	162.6	164.8	165.8	170.0	173.2	177.4	181.7
52.5°	146.8	147.9	148.9	151.0	154.2	156.3	157.4	160.5	163.7	167.9	171.1
55°	138.4	139.4	139.4	141.5	144.7	145.7	147.9	150.0	154.2	157.4	161.6
57.5°	128.8	129.9	129.9	132.0	134.1	136.2	137.3	140.5	143.6	146.8	150.0
60°	118.3	119.3	120.4	121.5	123.6	125.7	126.7	128.8	132.0	135.2	138.4
62.5°	107.7	108.8	109.8	110.9	113.0	114.1	115.1	118.3	120.4	123.6	125.7
65°	97.2	98.2	99.3	100.3	101.4	102.4	103.5	105.6	107.7	110.9	111.9
67.5°	86.6	87.7	87.7	88.7	89.8	90.8	91.9	94.0	95.1	98.2	99.3
70°	76.0	76.0	76.0	77.1	77.1	78.2	79.2	81.3	82.4	84.5	86.6
72.5°	63.4	64.4	64.4	64.4	65.5	66.5	67.6	68.6	69.7	70.8	72.9
75°	51.8	52.8	51.8	52.8	53.9	53.9	54.9	56.0	57.0	58.1	59.1
77.5°	41.2	40.1	41.2	41.2	42.2	42.2	42.2	43.3	45.4	45.4	47.5
80°	29.6	29.6	29.6	29.6	30.6	30.6	31.7	31.7	33.8	34.9	35.9
82.5°	19.0	19.0	20.1	20.1	20.1	21.1	21.1	22.2	23.2	24.3	25.3
85°	10.6	10.6	10.6	11.6	11.6	12.7	12.7	13.7	14.8	15.8	16.9
87.5°	3.2	4.2	5.3	5.3	6.3	6.3	7.4	7.4	9.5	10.6	11.6
90°	1.1	1.1	2.1	2.1	2.1	3.2	3.2	4.2	4.2	5.3	6.3
92.5°	18.0	42.2	87.7	131.0	113.0	105.6	63.4	19.0	16.9	18.0	18.0
95°	37.0	69.7	127.8	207.0	268.3	306.3	331.6	380.2	429.8	421.4	314.7
97.5°	53.9	89.8	154.2	227.1	311.6	354.9	387.6	445.7	509.1	561.9	599.9
100°	70.8	107.7	176.4	252.4	330.6	369.6	407.7	486.9	549.2	602.0	652.7
102.5°	88.7	125.7	196.4	275.6	352.7	390.8	427.7	497.4	567.1	630.5	680.1
105°	106.7	144.7	214.4	295.7	372.8	410.8	446.7	513.3	577.7	636.8	693.9
107.5°	125.7	161.6	230.2	311.6	388.7	426.7	462.6	529.1	591.4	650.6	702.3
110°	142.6	177.4	246.1	326.3	403.4	441.5	477.4	543.9	605.2	661.1	711.8



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CATALOG NUMBER: I3-UL-50L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	158.4	192.2	260.9	339.0	415.1	453.1	487.9	554.5	615.7	670.6	721.3
115°	176.4	205.9	275.6	350.6	425.6	462.6	497.4	562.9	624.2	678.0	727.7
117.5°	191.2	219.7	288.3	360.1	434.1	470.0	503.8	569.3	629.4	683.3	731.9
120°	205.9	232.3	299.9	368.6	440.4	475.3	509.1	573.5	633.7	686.5	734.0
122.5°	220.7	245.0	309.4	377.0	445.7	480.5	513.3	576.6	635.8	687.5	734.0
125°	234.5	255.6	317.9	383.4	448.9	482.6	514.3	576.6	634.7	685.4	731.9
127.5°	247.1	267.2	324.2	389.7	451.0	483.7	514.3	574.5	632.6	682.3	727.7
130°	259.8	277.8	330.6	392.9	453.1	482.6	512.2	570.3	627.3	677.0	720.3
132.5°	272.5	289.4	335.8	396.0	454.1	482.6	510.1	566.1	621.0	669.6	710.8
135°	284.1	297.8	341.1	398.2	453.1	480.5	505.9	558.7	611.5	659.0	699.2
137.5°	294.7	306.3	345.4	399.2	452.0	477.4	502.7	550.2	599.9	646.3	685.4
140°	304.2	314.7	347.5	399.2	447.8	473.1	496.4	541.8	587.2	631.6	669.6
142.5°	312.6	322.1	350.6	397.1	443.6	467.9	490.0	533.3	574.5	616.8	653.7
145°	321.1	328.5	352.7	396.0	438.3	460.5	481.6	522.8	562.9	600.9	635.8
147.5°	327.4	334.8	354.9	391.8	432.0	452.0	472.1	511.2	548.1	584.0	615.7
150°	333.7	340.1	355.9	387.6	424.6	442.5	460.5	497.4	533.3	566.1	595.7
152.5°	340.1	344.3	359.1	383.4	416.1	433.0	451.0	483.7	516.4	547.1	575.6
155°	344.3	347.5	360.1	379.1	407.7	422.4	437.2	467.9	497.4	525.9	552.4
157.5°	348.5	351.7	361.2	376.0	398.2	411.9	424.6	451.0	478.4	503.8	528.1
160°	351.7	353.8	361.2	373.9	389.7	399.2	410.8	435.1	458.4	480.5	501.7
162.5°	354.9	355.9	361.2	370.7	382.3	388.7	397.1	416.1	437.2	456.2	475.3
165°	357.0	358.0	361.2	368.6	376.0	381.3	385.5	399.2	415.1	432.0	447.8
167.5°	359.1	359.1	361.2	366.5	370.7	373.9	377.0	384.4	395.0	407.7	419.3
170°	360.1	360.1	361.2	364.4	367.5	368.6	370.7	374.9	380.2	386.5	393.9
172.5°	360.1	360.1	360.1	362.3	363.3	363.3	363.3	365.4	368.6	372.8	376.0
175°	360.1	359.1	359.1	360.1	359.1	359.1	359.1	359.1	360.1	362.3	363.3
177.5°	360.1	359.1	358.0	358.0	357.0	357.0	355.9	355.9	355.9	355.9	355.9
180°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4	233.4
2.5°	234.5	234.5	233.4	232.3	232.3	232.3	231.3	230.2	229.2	229.2
5°	234.5	234.5	233.4	233.4	233.4	233.4	232.3	232.3	231.3	231.3
7.5°	235.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	233.4	233.4
10°	235.5	235.5	235.5	235.5	235.5	235.5	235.5	235.5	235.5	235.5
12.5°	236.6	236.6	236.6	236.6	237.6	237.6	237.6	237.6	237.6	237.6
15°	236.6	237.6	238.7	238.7	238.7	239.7	239.7	239.7	239.7	239.7
17.5°	237.6	238.7	239.7	239.7	240.8	240.8	241.9	241.9	241.9	241.9
20°	237.6	238.7	239.7	240.8	241.9	241.9	242.9	244.0	244.0	242.9
22.5°	236.6	238.7	239.7	240.8	241.9	242.9	244.0	245.0	245.0	245.0
25°	235.5	237.6	239.7	241.9	241.9	242.9	245.0	245.0	245.0	245.0
27.5°	234.5	236.6	238.7	240.8	241.9	242.9	244.0	245.0	245.0	245.0
30°	232.3	235.5	237.6	239.7	240.8	241.9	242.9	244.0	244.0	244.0
32.5°	229.2	232.3	234.5	237.6	238.7	239.7	240.8	241.9	241.9	241.9
35°	226.0	229.2	231.3	234.5	235.5	236.6	238.7	238.7	239.7	239.7
37.5°	220.7	225.0	227.1	230.2	231.3	232.3	234.5	235.5	235.5	235.5
40°	215.4	219.7	221.8	225.0	226.0	227.1	229.2	230.2	231.3	231.3
42.5°	209.1	213.3	215.4	218.6	219.7	220.7	222.8	223.9	225.0	225.0
45°	202.8	205.9	208.1	211.2	213.3	213.3	215.4	216.5	217.6	217.6
47.5°	194.3	197.5	199.6	202.8	204.9	205.9	207.0	208.1	209.1	209.1
50°	184.8	188.0	191.2	193.3	195.4	195.4	197.5	198.6	199.6	199.6
52.5°	175.3	177.4	180.6	183.8	184.8	185.9	186.9	188.0	189.0	189.0
55°	164.8	166.9	170.0	172.1	173.2	174.3	175.3	176.4	177.4	177.4
57.5°	153.1	155.3	158.4	160.5	161.6	162.6	163.7	164.8	165.8	165.8
60°	140.5	142.6	145.7	147.9	148.9	148.9	151.0	152.1	152.1	152.1
62.5°	127.8	129.9	132.0	134.1	135.2	136.2	137.3	138.4	138.4	138.4
65°	115.1	117.2	119.3	120.4	121.5	121.5	122.5	123.6	124.6	124.6
67.5°	101.4	103.5	105.6	106.7	107.7	107.7	108.8	109.8	109.8	109.8
70°	87.7	88.7	90.8	91.9	92.9	92.9	95.1	95.1	95.1	95.1
72.5°	73.9	75.0	77.1	78.2	79.2	79.2	80.3	81.3	81.3	81.3
75°	61.3	62.3	63.4	65.5	65.5	65.5	66.5	67.6	67.6	67.6
77.5°	48.6	49.6	50.7	51.8	52.8	52.8	53.9	54.9	54.9	54.9
80°	37.0	38.0	39.1	40.1	40.1	41.2	41.2	42.2	42.2	42.2
82.5°	26.4	27.5	28.5	29.6	30.6	30.6	31.7	32.7	32.7	31.7
85°	18.0	20.1	21.1	22.2	22.2	22.2	23.2	24.3	24.3	23.2
87.5°	12.7	12.7	13.7	14.8	14.8	15.8	15.8	16.9	16.9	16.9
90°	7.4	7.4	8.4	8.4	9.5	9.5	9.5	10.6	10.6	10.6
92.5°	18.0	18.0	19.0	19.0	19.0	19.0	20.1	20.1	20.1	20.1
95°	192.2	86.6	72.9	44.4	42.2	37.0	35.9	37.0	37.0	35.9
97.5°	645.3	690.7	719.2	732.9	716.1	698.1	678.0	674.9	647.4	586.1
100°	696.0	731.9	766.7	791.0	800.5	809.0	828.0	839.6	844.9	850.2
102.5°	721.3	759.4	790.0	820.6	833.3	844.9	861.8	875.5	880.8	885.0
105°	743.5	782.6	816.4	843.8	855.5	866.0	882.9	895.6	905.1	906.2
107.5°	748.8	790.0	828.0	861.8	875.5	887.1	907.2	916.7	925.2	925.2
110°	758.3	797.4	832.2	862.9	876.6	890.3	911.4	926.2	934.7	936.8



TEST NUMBER: P395746

CATALOG NUMBER: I3-UL-50L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	765.7	805.8	838.6	869.2	880.8	893.5	913.5	927.3	934.7	937.8
115°	772.0	811.1	843.8	872.4	885.0	897.7	917.8	929.4	937.8	941.0
117.5°	776.3	814.3	847.0	873.4	887.1	897.7	916.7	929.4	937.8	938.9
120°	777.3	815.3	847.0	873.4	885.0	896.6	915.7	928.3	936.8	936.8
122.5°	777.3	814.3	846.0	871.3	881.9	892.4	910.4	925.2	932.6	932.6
125°	773.1	810.0	840.7	866.0	876.6	886.1	905.1	918.8	926.2	927.3
127.5°	766.7	802.7	833.3	858.6	869.2	877.6	897.7	910.4	917.8	918.8
130°	758.3	794.2	823.8	848.1	858.6	868.1	885.0	898.8	907.2	909.3
132.5°	748.8	782.6	812.2	835.4	846.0	854.4	871.3	885.0	892.4	895.6
135°	737.2	768.9	797.4	820.6	831.2	839.6	855.5	869.2	876.6	879.8
137.5°	722.4	753.0	780.5	803.7	813.2	821.7	837.5	850.2	856.5	860.7
140°	705.5	734.0	762.5	783.6	793.1	801.6	815.3	829.1	835.4	838.6
142.5°	687.5	716.1	741.4	762.5	771.0	779.4	793.1	805.8	812.2	813.2
145°	668.5	696.0	719.2	739.3	746.7	755.1	767.8	780.5	786.8	787.9
147.5°	647.4	672.8	694.9	713.9	722.4	728.7	740.3	752.0	758.3	759.4
150°	623.1	646.3	666.4	685.4	692.8	699.2	711.8	722.4	728.7	729.8
152.5°	599.9	622.1	639.0	655.9	663.2	669.6	680.1	690.7	697.0	698.1
155°	575.6	595.7	612.6	626.3	632.6	639.0	647.4	656.9	662.2	663.2
157.5°	550.2	569.3	584.0	596.7	603.0	608.3	615.7	624.2	627.3	629.4
160°	522.8	538.6	551.3	564.0	569.3	574.5	581.9	588.3	592.5	593.5
162.5°	493.2	506.9	517.5	529.1	532.3	536.5	543.9	550.2	553.4	554.5
165°	462.6	475.3	484.8	494.3	496.4	499.5	504.8	511.2	513.3	515.4
167.5°	432.0	442.5	448.9	457.3	460.5	462.6	467.9	472.1	474.2	475.3
170°	402.4	409.8	415.1	421.4	422.4	425.6	428.8	433.0	434.1	434.1
172.5°	379.1	382.3	385.5	387.6	388.7	389.7	391.8	392.9	392.9	392.9
175°	364.4	366.5	366.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5
177.5°	355.9	355.9	355.9	354.9	354.9	354.9	354.9	353.8	353.8	353.8
180°	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8

(END OF REPORT)