

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: P395772

Luminaire Tested: **I3-UL-60L93050-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395772
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-60L93050-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, OPEN TOP
6000 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: 5161.7 lumens
Efficiency: N/A
Efficacy: 115.0 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

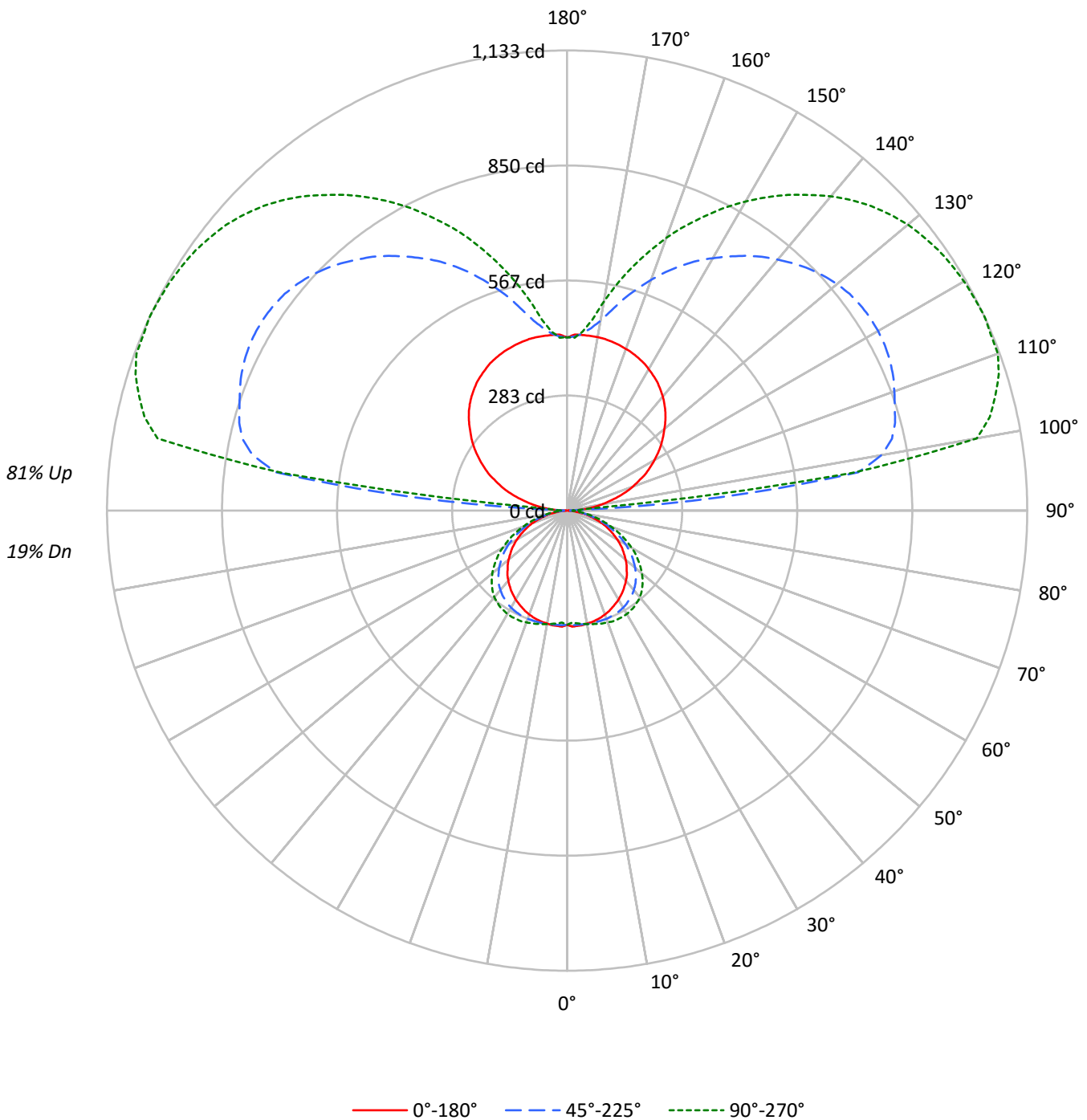
Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	50	30	10	0		
RCR																										
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19					19			
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16					16			
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13					13			
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11					11			
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9					9			
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8					8			
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7					7			
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6					6			
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5					5			
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5					5			
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4					4			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1545	1545	1545
5°	1566	1523	1494
10°	1564	1513	1496
15°	1567	1507	1509
20°	1568	1513	1526
25°	1566	1517	1549
30°	1568	1519	1564
35°	1566	1511	1571
40°	1560	1500	1562
45°	1546	1469	1528
50°	1532	1421	1471
55°	1505	1352	1387
60°	1459	1254	1277
65°	1394	1117	1138
70°	1318	969	960
75°	1142	759	770
80°	908	547	557
85°	539	319	367



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CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	0.5
10°-20°	80.2	1.6
20°-30°	129.0	2.5
30°-40°	166.1	3.2
40°-50°	182.4	3.5
50°-60°	171.4	3.3
60°-70°	133.2	2.6
70°-80°	76.4	1.5
80°-90°	24.5	0.5
90°-100°	330.0	6.4
100°-110°	784.1	15.2
110°-120°	787.7	15.3
120°-130°	722.4	14.0
130°-140°	604.0	11.7
140°-150°	453.3	8.8
150°-160°	295.1	5.7
160°-170°	152.0	2.9
170°-180°	43.0	0.8
0°-30°	236.2	4.6
0°-40°	402.2	7.8
0°-60°	756.0	14.6
0°-90°	990.1	19.2
90°-120°	1901.7	36.8
90°-150°	3681.5	71.3
90°-180°	4172.0	80.8
0°-180°	5161.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	281	281	281	281	281	
5°	285	282	282	281	279	27
15°	279	277	284	288	289	79
25°	263	266	281	291	295	122
35°	240	247	267	284	289	150
45°	207	218	239	257	262	160
55°	167	176	195	209	214	149
65°	117	123	135	146	150	116
75°	62	65	71	79	81	66
85°	13	15	20	27	28	15
90°	1	4	8	11	13	4
95°	44	369	379	51	43	44
105°	128	495	836	1030	1092	136
115°	212	557	876	1066	1133	209
125°	282	581	882	1056	1117	252
135°	342	579	842	1001	1060	264
145°	387	555	766	899	949	242
155°	415	509	665	762	799	191
165°	430	459	539	598	621	122
175°	434	432	438	443	443	41
180°	426	426	426	426	426	



TEST NUMBER: P395772

CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1
2.5°	286.2	284.9	283.7	283.7	282.4	282.4	282.4	281.1	281.1	281.1	282.4
5°	284.9	284.9	283.7	282.4	282.4	282.4	281.1	281.1	281.1	281.1	282.4
7.5°	284.9	283.7	282.4	282.4	281.1	281.1	281.1	281.1	281.1	281.1	282.4
10°	282.4	282.4	281.1	281.1	279.9	281.1	281.1	281.1	281.1	281.1	283.7
12.5°	281.1	281.1	279.9	278.6	278.6	278.6	279.9	279.9	279.9	281.1	283.7
15°	278.6	278.6	277.3	277.3	277.3	277.3	278.6	278.6	279.9	281.1	283.7
17.5°	276.0	276.0	274.8	274.8	274.8	276.0	276.0	277.3	278.6	281.1	283.7
20°	272.2	272.2	272.2	272.2	272.2	273.5	273.5	274.8	277.3	279.9	283.7
22.5°	268.4	268.4	268.4	268.4	268.4	269.7	271.0	273.5	274.8	278.6	282.4
25°	263.3	263.3	263.3	263.3	264.6	265.9	267.1	269.7	272.2	276.0	281.1
27.5°	258.2	259.5	259.5	259.5	260.8	262.1	263.3	265.9	269.7	274.8	278.6
30°	253.1	253.1	253.1	254.4	255.7	257.0	259.5	262.1	265.9	271.0	276.0
32.5°	246.8	246.8	248.1	248.1	250.6	251.9	254.4	258.2	262.1	267.1	272.2
35°	240.4	240.4	240.4	243.0	244.2	246.8	248.1	251.9	257.0	262.1	267.1
37.5°	232.8	234.1	234.1	235.3	237.9	240.4	241.7	246.8	251.9	257.0	262.1
40°	225.2	226.4	226.4	227.7	231.5	232.8	235.3	240.4	244.2	250.6	255.7
42.5°	217.5	217.5	218.8	220.1	223.9	225.2	227.7	232.8	237.9	243.0	248.1
45°	207.4	208.6	209.9	211.2	215.0	217.5	220.1	223.9	229.0	234.1	239.2
47.5°	198.4	198.4	199.7	202.3	206.1	208.6	209.9	215.0	218.8	223.9	229.0
50°	188.3	189.5	189.5	192.1	195.9	198.4	199.7	204.8	208.6	213.7	218.8
52.5°	176.8	178.1	179.4	181.9	185.7	188.3	189.5	193.4	197.2	202.3	206.1
55°	166.6	167.9	167.9	170.5	174.3	175.5	178.1	180.6	185.7	189.5	194.6
57.5°	155.2	156.5	156.5	159.0	161.6	164.1	165.4	169.2	173.0	176.8	180.6
60°	142.5	143.7	145.0	146.3	148.8	151.4	152.7	155.2	159.0	162.8	166.6
62.5°	129.8	131.0	132.3	133.6	136.1	137.4	138.7	142.5	145.0	148.8	151.4
65°	117.0	118.3	119.6	120.8	122.1	123.4	124.7	127.2	129.8	133.6	134.8
67.5°	104.3	105.6	105.6	106.9	108.1	109.4	110.7	113.2	114.5	118.3	119.6
70°	91.6	91.6	91.6	92.9	92.9	94.1	95.4	98.0	99.2	101.8	104.3
72.5°	76.3	77.6	77.6	77.6	78.9	80.1	81.4	82.7	84.0	85.2	87.8
75°	62.3	63.6	62.3	63.6	64.9	64.9	66.1	67.4	68.7	70.0	71.2
77.5°	49.6	48.3	49.6	49.6	50.9	50.9	50.9	52.2	54.7	54.7	57.2
80°	35.6	35.6	35.6	35.6	36.9	36.9	38.2	38.2	40.7	42.0	43.3
82.5°	22.9	22.9	24.2	24.2	24.2	25.4	25.4	26.7	28.0	29.3	30.5
85°	12.7	12.7	12.7	14.0	14.0	15.3	15.3	16.5	17.8	19.1	20.4
87.5°	3.8	5.1	6.4	6.4	7.6	7.6	8.9	8.9	11.4	12.7	14.0
90°	1.3	1.3	2.5	2.5	2.5	3.8	3.8	5.1	5.1	6.4	7.6
92.5°	21.6	50.9	105.6	157.7	136.1	127.2	76.3	22.9	20.4	21.6	21.6
95°	44.5	84.0	153.9	249.3	323.1	368.9	399.4	458.0	517.7	507.6	379.1
97.5°	64.9	108.1	185.7	273.5	375.3	427.4	466.9	536.8	613.2	676.8	722.6
100°	85.2	129.8	212.4	304.0	398.2	445.2	491.0	586.4	661.5	725.1	786.2
102.5°	106.9	151.4	236.6	332.0	424.9	470.7	515.2	599.2	683.1	759.4	819.2
105°	128.5	174.3	258.2	356.2	449.0	494.8	538.1	618.2	695.8	767.1	835.8
107.5°	151.4	194.6	277.3	375.3	468.1	513.9	557.2	637.3	712.4	783.6	845.9
110°	171.7	213.7	296.4	393.1	485.9	531.7	575.0	655.1	728.9	796.3	857.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	190.8	231.5	314.2	408.3	499.9	545.7	587.7	667.9	741.6	807.8	868.8
115°	212.4	248.1	332.0	422.3	512.7	557.2	599.2	678.0	751.8	816.7	876.5
117.5°	230.2	264.6	347.3	433.8	522.8	566.1	606.8	685.7	758.2	823.0	881.6
120°	248.1	279.9	361.3	444.0	530.5	572.4	613.2	690.7	763.3	826.9	884.1
122.5°	265.9	295.1	372.7	454.1	536.8	578.8	618.2	694.6	765.8	828.1	884.1
125°	282.4	307.8	382.9	461.8	540.6	581.3	619.5	694.6	764.5	825.6	881.6
127.5°	297.7	321.8	390.5	469.4	543.2	582.6	619.5	692.0	762.0	821.8	876.5
130°	312.9	334.6	398.2	473.2	545.7	581.3	617.0	686.9	755.6	815.4	867.6
132.5°	328.2	348.6	404.5	477.0	547.0	581.3	614.4	681.8	748.0	806.5	856.1
135°	342.2	358.7	410.9	479.6	545.7	578.8	609.3	672.9	736.5	793.8	842.1
137.5°	354.9	368.9	416.0	480.9	544.5	575.0	605.5	662.8	722.6	778.5	825.6
140°	366.4	379.1	418.5	480.9	539.4	569.9	597.9	652.6	707.3	760.7	806.5
142.5°	376.5	388.0	422.3	478.3	534.3	563.5	590.3	642.4	692.0	742.9	787.4
145°	386.7	395.6	424.9	477.0	527.9	554.6	580.1	629.7	678.0	723.8	765.8
147.5°	394.3	403.3	427.4	471.9	520.3	544.5	568.6	615.7	660.2	703.5	741.6
150°	402.0	409.6	428.7	466.9	511.4	533.0	554.6	599.2	642.4	681.8	717.5
152.5°	409.6	414.7	432.5	461.8	501.2	521.6	543.2	582.6	622.1	658.9	693.3
155°	414.7	418.5	433.8	456.7	491.0	508.8	526.6	563.5	599.2	633.5	665.3
157.5°	419.8	423.6	435.1	452.9	479.6	496.1	511.4	543.2	576.3	606.8	636.0
160°	423.6	426.2	435.1	450.3	469.4	480.9	494.8	524.1	552.1	578.8	604.2
162.5°	427.4	428.7	435.1	446.5	460.5	468.1	478.3	501.2	526.6	549.5	572.4
165°	430.0	431.2	435.1	444.0	452.9	459.2	464.3	480.9	499.9	520.3	539.4
167.5°	432.5	432.5	435.1	441.4	446.5	450.3	454.1	463.0	475.8	491.0	505.0
170°	433.8	433.8	435.1	438.9	442.7	444.0	446.5	451.6	458.0	465.6	474.5
172.5°	433.8	433.8	433.8	436.3	437.6	437.6	437.6	440.1	444.0	449.0	452.9
175°	433.8	432.5	432.5	433.8	432.5	432.5	432.5	432.5	433.8	436.3	437.6
177.5°	433.8	432.5	431.2	431.2	430.0	430.0	428.7	428.7	428.7	428.7	428.7
180°	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1	281.1
2.5°	282.4	282.4	281.1	279.9	279.9	279.9	278.6	277.3	276.0	276.0
5°	282.4	282.4	281.1	281.1	281.1	281.1	279.9	279.9	278.6	278.6
7.5°	283.7	282.4	282.4	282.4	282.4	282.4	282.4	282.4	281.1	281.1
10°	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7	283.7
12.5°	284.9	284.9	284.9	284.9	286.2	286.2	286.2	286.2	286.2	286.2
15°	284.9	286.2	287.5	287.5	287.5	288.8	288.8	288.8	288.8	288.8
17.5°	286.2	287.5	288.8	288.8	290.0	290.0	291.3	291.3	291.3	291.3
20°	286.2	287.5	288.8	290.0	291.3	291.3	292.6	293.9	293.9	292.6
22.5°	284.9	287.5	288.8	290.0	291.3	292.6	293.9	295.1	295.1	295.1
25°	283.7	286.2	288.8	291.3	291.3	292.6	295.1	295.1	295.1	295.1
27.5°	282.4	284.9	287.5	290.0	291.3	292.6	293.9	295.1	295.1	295.1
30°	279.9	283.7	286.2	288.8	290.0	291.3	292.6	293.9	293.9	293.9
32.5°	276.0	279.9	282.4	286.2	287.5	288.8	290.0	291.3	291.3	291.3
35°	272.2	276.0	278.6	282.4	283.7	284.9	287.5	287.5	288.8	288.8
37.5°	265.9	271.0	273.5	277.3	278.6	279.9	282.4	283.7	283.7	283.7
40°	259.5	264.6	267.1	271.0	272.2	273.5	276.0	277.3	278.6	278.6
42.5°	251.9	257.0	259.5	263.3	264.6	265.9	268.4	269.7	271.0	271.0
45°	244.2	248.1	250.6	254.4	257.0	257.0	259.5	260.8	262.1	262.1
47.5°	234.1	237.9	240.4	244.2	246.8	248.1	249.3	250.6	251.9	251.9
50°	222.6	226.4	230.2	232.8	235.3	235.3	237.9	239.2	240.4	240.4
52.5°	211.2	213.7	217.5	221.3	222.6	223.9	225.2	226.4	227.7	227.7
55°	198.4	201.0	204.8	207.4	208.6	209.9	211.2	212.4	213.7	213.7
57.5°	184.5	187.0	190.8	193.4	194.6	195.9	197.2	198.4	199.7	199.7
60°	169.2	171.7	175.5	178.1	179.4	179.4	181.9	183.2	183.2	183.2
62.5°	153.9	156.5	159.0	161.6	162.8	164.1	165.4	166.6	166.6	166.6
65°	138.7	141.2	143.7	145.0	146.3	146.3	147.6	148.8	150.1	150.1
67.5°	122.1	124.7	127.2	128.5	129.8	129.8	131.0	132.3	132.3	132.3
70°	105.6	106.9	109.4	110.7	111.9	111.9	114.5	114.5	114.5	114.5
72.5°	89.0	90.3	92.9	94.1	95.4	95.4	96.7	98.0	98.0	98.0
75°	73.8	75.1	76.3	78.9	78.9	78.9	80.1	81.4	81.4	81.4
77.5°	58.5	59.8	61.1	62.3	63.6	63.6	64.9	66.1	66.1	66.1
80°	44.5	45.8	47.1	48.3	48.3	49.6	49.6	50.9	50.9	50.9
82.5°	31.8	33.1	34.3	35.6	36.9	36.9	38.2	39.4	39.4	38.2
85°	21.6	24.2	25.4	26.7	26.7	26.7	28.0	29.3	29.3	28.0
87.5°	15.3	15.3	16.5	17.8	17.8	19.1	19.1	20.4	20.4	20.4
90°	8.9	8.9	10.2	10.2	11.4	11.4	11.4	12.7	12.7	12.7
92.5°	21.6	21.6	22.9	22.9	22.9	22.9	24.2	24.2	24.2	24.2
95°	231.5	104.3	87.8	53.4	50.9	44.5	43.3	44.5	44.5	43.3
97.5°	777.3	832.0	866.3	882.8	862.5	840.9	816.7	812.9	779.8	706.0
100°	838.3	881.6	923.5	952.8	964.2	974.4	997.3	1011.3	1017.7	1024.0
102.5°	868.8	914.6	951.5	988.4	1003.7	1017.7	1038.0	1054.6	1060.9	1066.0
105°	895.6	942.6	983.3	1016.4	1030.4	1043.1	1063.5	1078.7	1090.2	1091.5
107.5°	901.9	951.5	997.3	1038.0	1054.6	1068.6	1092.7	1104.2	1114.4	1114.4
110°	913.4	960.4	1002.4	1039.3	1055.8	1072.4	1097.8	1115.6	1125.8	1128.3



TEST NUMBER: P395772

CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	922.3	970.6	1010.0	1046.9	1060.9	1076.2	1100.4	1116.9	1125.8	1129.6
115°	929.9	977.0	1016.4	1050.8	1066.0	1081.3	1105.5	1119.4	1129.6	1133.4
117.5°	935.0	980.8	1020.2	1052.0	1068.6	1081.3	1104.2	1119.4	1129.6	1130.9
120°	936.3	982.1	1020.2	1052.0	1066.0	1080.0	1102.9	1118.2	1128.3	1128.3
122.5°	936.3	980.8	1018.9	1049.5	1062.2	1074.9	1096.5	1114.4	1123.3	1123.3
125°	931.2	975.7	1012.6	1043.1	1055.8	1067.3	1090.2	1106.7	1115.6	1116.9
127.5°	923.5	966.8	1003.7	1034.2	1046.9	1057.1	1081.3	1096.5	1105.5	1106.7
130°	913.4	956.6	992.2	1021.5	1034.2	1045.7	1066.0	1082.6	1092.7	1095.3
132.5°	901.9	942.6	978.2	1006.2	1018.9	1029.1	1049.5	1066.0	1074.9	1078.7
135°	887.9	926.1	960.4	988.4	1001.1	1011.3	1030.4	1046.9	1055.8	1059.7
137.5°	870.1	907.0	940.1	968.1	979.5	989.7	1008.8	1024.0	1031.7	1036.8
140°	849.8	884.1	918.5	943.9	955.3	965.5	982.1	998.6	1006.2	1010.0
142.5°	828.1	862.5	893.0	918.5	928.6	938.8	955.3	970.6	978.2	979.5
145°	805.2	838.3	866.3	890.5	899.4	909.5	924.8	940.1	947.7	949.0
147.5°	779.8	810.3	837.0	859.9	870.1	877.7	891.7	905.7	913.4	914.6
150°	750.5	778.5	802.7	825.6	834.5	842.1	857.4	870.1	877.7	879.0
152.5°	722.6	749.3	769.6	790.0	798.9	806.5	819.2	832.0	839.6	840.9
155°	693.3	717.5	737.8	754.4	762.0	769.6	779.8	791.2	797.6	798.9
157.5°	662.8	685.7	703.5	718.7	726.4	732.7	741.6	751.8	755.6	758.2
160°	629.7	648.8	664.0	679.3	685.7	692.0	700.9	708.6	713.6	714.9
162.5°	594.1	610.6	623.3	637.3	641.1	646.2	655.1	662.8	666.6	667.9
165°	557.2	572.4	583.9	595.3	597.9	601.7	608.1	615.7	618.2	620.8
167.5°	520.3	533.0	540.6	550.8	554.6	557.2	563.5	568.6	571.2	572.4
170°	484.7	493.6	499.9	507.6	508.8	512.7	516.5	521.6	522.8	522.8
172.5°	456.7	460.5	464.3	466.9	468.1	469.4	471.9	473.2	473.2	473.2
175°	438.9	441.4	441.4	442.7	442.7	442.7	442.7	442.7	442.7	442.7
177.5°	428.7	428.7	428.7	427.4	427.4	427.4	427.4	426.2	426.2	426.2
180°	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2	426.2

(END OF REPORT)