

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: P395774

Luminaire Tested: **I3-UL-60L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395774
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 (4500K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5671.8 lumens
Efficiency: N/A
Efficacy: 123.3 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

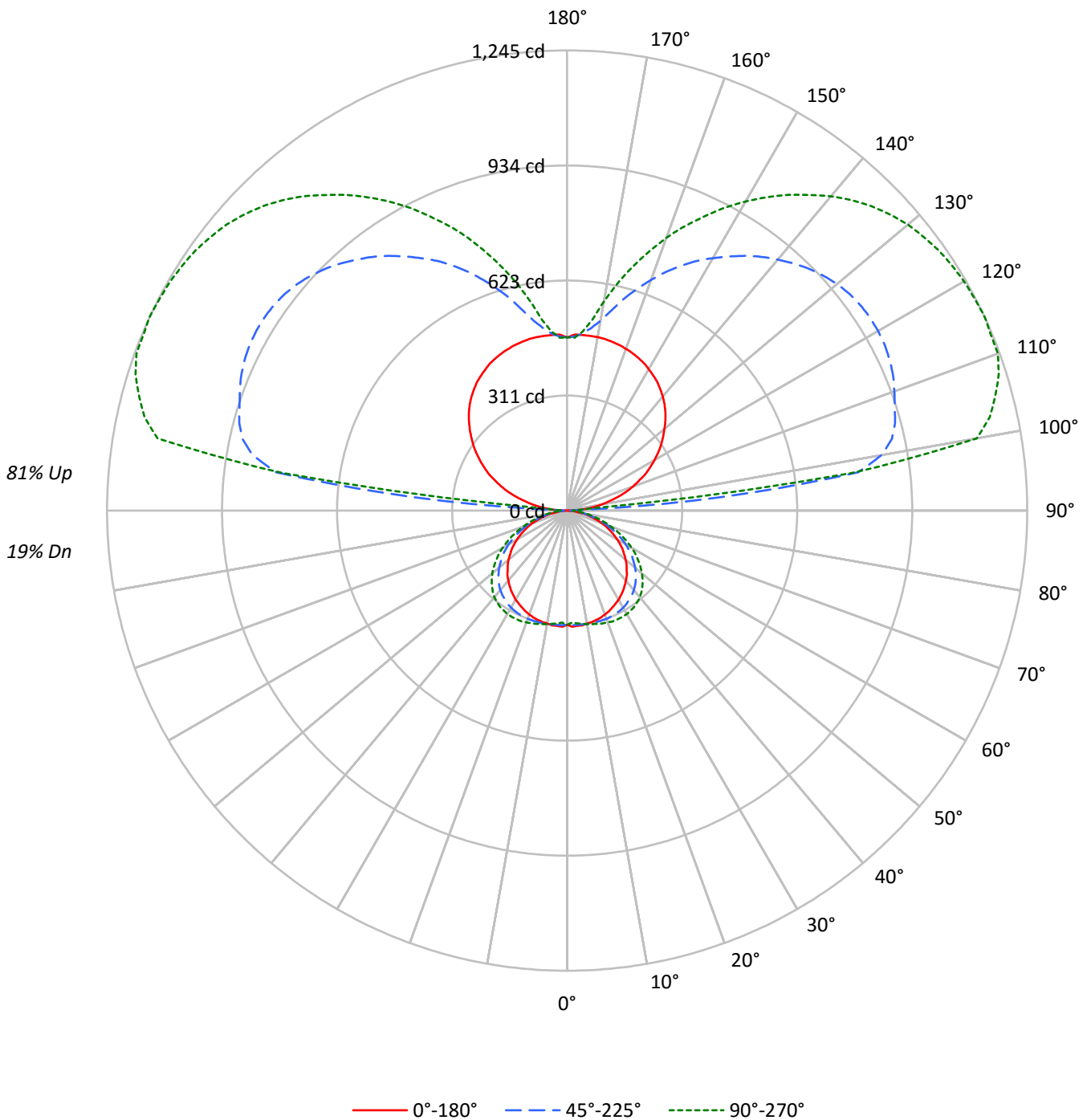
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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°	1698	1698	1698
5°	1721	1673	1641
10°	1719	1662	1643
15°	1722	1656	1658
20°	1723	1662	1677
25°	1720	1667	1702
30°	1723	1669	1719
35°	1721	1660	1726
40°	1714	1649	1716
45°	1698	1614	1678
50°	1684	1561	1617
55°	1654	1486	1524
60°	1603	1378	1403
65°	1533	1228	1251
70°	1447	1064	1055
75°	1255	835	847
80°	997	600	612
85°	594	350	404



TEST NUMBER: P395774

CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	0.5
10°-20°	88.1	1.6
20°-30°	141.8	2.5
30°-40°	182.5	3.2
40°-50°	200.4	3.5
50°-60°	188.4	3.3
60°-70°	146.3	2.6
70°-80°	84.0	1.5
80°-90°	26.9	0.5
90°-100°	362.6	6.4
100°-110°	861.6	15.2
110°-120°	865.5	15.3
120°-130°	793.7	14.0
130°-140°	663.7	11.7
140°-150°	498.2	8.8
150°-160°	324.3	5.7
160°-170°	167.0	2.9
170°-180°	47.3	0.8
0°-30°	259.5	4.6
0°-40°	442.0	7.8
0°-60°	830.8	14.6
0°-90°	1088.0	19.2
90°-120°	2089.7	36.8
90°-150°	4045.3	71.3
90°-180°	4584.0	80.8
0°-180°	5671.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	309	309	309	309	309	
5°	313	310	310	309	306	30
15°	306	305	312	316	317	87
25°	289	292	309	320	324	134
35°	264	271	294	312	317	165
45°	228	239	263	282	288	176
55°	183	193	214	229	235	163
65°	129	136	148	161	165	127
75°	68	71	78	87	90	73
85°	14	17	22	29	31	17
90°	1	4	8	13	14	4
95°	49	405	416	56	48	49
105°	141	544	918	1132	1199	149
115°	233	612	963	1171	1245	229
125°	310	639	969	1160	1227	277
135°	376	636	925	1100	1164	290
145°	425	609	842	988	1043	266
155°	456	559	731	837	878	210
165°	472	505	593	657	682	134
175°	477	475	481	486	486	45
180°	468	468	468	468	468	



TEST NUMBER: P395774

CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9
2.5°	314.5	313.1	311.7	311.7	310.3	310.3	310.3	308.9	308.9	308.9	310.3
5°	313.1	313.1	311.7	310.3	310.3	310.3	308.9	308.9	308.9	308.9	310.3
7.5°	313.1	311.7	310.3	310.3	308.9	308.9	308.9	308.9	308.9	308.9	310.3
10°	310.3	310.3	308.9	308.9	307.5	308.9	308.9	308.9	308.9	308.9	311.7
12.5°	308.9	308.9	307.5	306.1	306.1	306.1	307.5	307.5	307.5	308.9	311.7
15°	306.1	306.1	304.7	304.7	304.7	304.7	306.1	306.1	307.5	308.9	311.7
17.5°	303.3	303.3	301.9	301.9	301.9	303.3	303.3	304.7	306.1	308.9	311.7
20°	299.1	299.1	299.1	299.1	299.1	300.5	300.5	301.9	304.7	307.5	311.7
22.5°	294.9	294.9	294.9	294.9	294.9	296.3	297.7	300.5	301.9	306.1	310.3
25°	289.3	289.3	289.3	289.3	290.7	292.1	293.5	296.3	299.1	303.3	308.9
27.5°	283.8	285.2	285.2	285.2	286.6	287.9	289.3	292.1	296.3	301.9	306.1
30°	278.2	278.2	278.2	279.6	281.0	282.4	285.2	287.9	292.1	297.7	303.3
32.5°	271.2	271.2	272.6	272.6	275.4	276.8	279.6	283.8	287.9	293.5	299.1
35°	264.2	264.2	264.2	267.0	268.4	271.2	272.6	276.8	282.4	287.9	293.5
37.5°	255.8	257.2	257.2	258.6	261.4	264.2	265.6	271.2	276.8	282.4	287.9
40°	247.4	248.8	248.8	250.2	254.4	255.8	258.6	264.2	268.4	275.4	281.0
42.5°	239.0	239.0	240.4	241.8	246.0	247.4	250.2	255.8	261.4	267.0	272.6
45°	227.8	229.2	230.6	232.0	236.2	239.0	241.8	246.0	251.6	257.2	262.8
47.5°	218.1	218.1	219.5	222.3	226.4	229.2	230.6	236.2	240.4	246.0	251.6
50°	206.9	208.3	208.3	211.1	215.3	218.1	219.5	225.0	229.2	234.8	240.4
52.5°	194.3	195.7	197.1	199.9	204.1	206.9	208.3	212.5	216.7	222.3	226.4
55°	183.1	184.5	184.5	187.3	191.5	192.9	195.7	198.5	204.1	208.3	213.9
57.5°	170.5	171.9	171.9	174.7	177.5	180.3	181.7	185.9	190.1	194.3	198.5
60°	156.6	158.0	159.4	160.7	163.5	166.3	167.7	170.5	174.7	178.9	183.1
62.5°	142.6	144.0	145.4	146.8	149.6	151.0	152.4	156.6	159.4	163.5	166.3
65°	128.6	130.0	131.4	132.8	134.2	135.6	137.0	139.8	142.6	146.8	148.2
67.5°	114.6	116.0	116.0	117.4	118.8	120.2	121.6	124.4	125.8	130.0	131.4
70°	100.6	100.6	100.6	102.0	102.0	103.4	104.8	107.6	109.0	111.8	114.6
72.5°	83.9	85.3	85.3	85.3	86.7	88.1	89.5	90.9	92.3	93.7	96.4
75°	68.5	69.9	68.5	69.9	71.3	71.3	72.7	74.1	75.5	76.9	78.3
77.5°	54.5	53.1	54.5	54.5	55.9	55.9	55.9	57.3	60.1	60.1	62.9
80°	39.1	39.1	39.1	39.1	40.5	40.5	41.9	41.9	44.7	46.1	47.5
82.5°	25.2	25.2	26.6	26.6	26.6	28.0	28.0	29.4	30.8	32.1	33.5
85°	14.0	14.0	14.0	15.4	15.4	16.8	16.8	18.2	19.6	21.0	22.4
87.5°	4.2	5.6	7.0	7.0	8.4	8.4	9.8	9.8	12.6	14.0	15.4
90°	1.4	1.4	2.8	2.8	2.8	4.2	4.2	5.6	5.6	7.0	8.4
92.5°	23.8	55.9	116.0	173.3	149.6	139.8	83.9	25.2	22.4	23.8	23.8
95°	48.9	92.3	169.1	274.0	355.0	405.4	438.9	503.2	568.9	557.7	416.5
97.5°	71.3	118.8	204.1	300.5	412.4	469.7	513.0	589.9	673.7	743.6	794.0
100°	93.7	142.6	233.4	334.1	437.5	489.2	539.6	644.4	726.9	796.8	863.8
102.5°	117.4	166.3	260.0	364.8	466.9	517.2	566.1	658.4	750.6	834.5	900.2
105°	141.2	191.5	283.8	391.4	493.4	543.7	591.3	679.3	764.6	842.9	918.4
107.5°	166.3	213.9	304.7	412.4	514.4	564.7	612.2	700.3	782.8	861.1	929.5
110°	188.7	234.8	325.7	431.9	534.0	584.3	631.8	719.9	800.9	875.0	942.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	209.7	254.4	345.3	448.7	549.3	599.7	645.8	733.8	814.9	887.6	954.7
115°	233.4	272.6	364.8	464.1	563.3	612.2	658.4	745.0	826.1	897.4	963.1
117.5°	253.0	290.7	381.6	476.7	574.5	622.0	666.8	753.4	833.1	904.4	968.7
120°	272.6	307.5	397.0	487.8	582.9	629.0	673.7	759.0	838.7	908.6	971.5
122.5°	292.1	324.3	409.6	499.0	589.9	636.0	679.3	763.2	841.5	910.0	971.5
125°	310.3	338.3	420.7	507.4	594.1	638.8	680.7	763.2	840.1	907.2	968.7
127.5°	327.1	353.6	429.1	515.8	596.9	640.2	680.7	760.4	837.3	903.0	963.1
130°	343.9	367.6	437.5	520.0	599.7	638.8	677.9	754.8	830.3	896.0	953.3
132.5°	360.6	383.0	444.5	524.2	601.1	638.8	675.1	749.2	821.9	886.2	940.7
135°	376.0	394.2	451.5	527.0	599.7	636.0	669.6	739.4	809.3	872.2	925.3
137.5°	390.0	405.4	457.1	528.4	598.3	631.8	665.4	728.3	794.0	855.5	907.2
140°	402.6	416.5	459.9	528.4	592.7	626.2	657.0	717.1	777.2	835.9	886.2
142.5°	413.8	426.3	464.1	525.6	587.1	619.2	648.6	705.9	760.4	816.3	865.2
145°	424.9	434.7	466.9	524.2	580.1	609.4	637.4	691.9	745.0	795.4	841.5
147.5°	433.3	443.1	469.7	518.6	571.7	598.3	624.8	676.5	725.5	773.0	814.9
150°	441.7	450.1	471.1	513.0	561.9	585.7	609.4	658.4	705.9	749.2	788.4
152.5°	450.1	455.7	475.3	507.4	550.7	573.1	596.9	640.2	683.5	724.1	761.8
155°	455.7	459.9	476.7	501.8	539.6	559.1	578.7	619.2	658.4	696.1	731.1
157.5°	461.3	465.5	478.1	497.6	527.0	545.1	561.9	596.9	633.2	666.8	698.9
160°	465.5	468.3	478.1	494.8	515.8	528.4	543.7	575.9	606.6	636.0	664.0
162.5°	469.7	471.1	478.1	490.6	506.0	514.4	525.6	550.7	578.7	603.9	629.0
165°	472.5	473.9	478.1	487.8	497.6	504.6	510.2	528.4	549.3	571.7	592.7
167.5°	475.3	475.3	478.1	485.0	490.6	494.8	499.0	508.8	522.8	539.6	554.9
170°	476.7	476.7	478.1	482.2	486.4	487.8	490.6	496.2	503.2	511.6	521.4
172.5°	476.7	476.7	476.7	479.4	480.8	480.8	480.8	483.6	487.8	493.4	497.6
175°	476.7	475.3	475.3	476.7	475.3	475.3	475.3	475.3	476.7	479.4	480.8
177.5°	476.7	475.3	473.9	473.9	472.5	472.5	471.1	471.1	471.1	471.1	471.1
180°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3



TEST NUMBER: P395774

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9	308.9
2.5°	310.3	310.3	308.9	307.5	307.5	307.5	306.1	304.7	303.3	303.3
5°	310.3	310.3	308.9	308.9	308.9	308.9	307.5	307.5	306.1	306.1
7.5°	311.7	310.3	310.3	310.3	310.3	310.3	310.3	310.3	308.9	308.9
10°	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7	311.7
12.5°	313.1	313.1	313.1	313.1	314.5	314.5	314.5	314.5	314.5	314.5
15°	313.1	314.5	315.9	315.9	315.9	317.3	317.3	317.3	317.3	317.3
17.5°	314.5	315.9	317.3	317.3	318.7	318.7	320.1	320.1	320.1	320.1
20°	314.5	315.9	317.3	318.7	320.1	320.1	321.5	322.9	322.9	321.5
22.5°	313.1	315.9	317.3	318.7	320.1	321.5	322.9	324.3	324.3	324.3
25°	311.7	314.5	317.3	320.1	320.1	321.5	324.3	324.3	324.3	324.3
27.5°	310.3	313.1	315.9	318.7	320.1	321.5	322.9	324.3	324.3	324.3
30°	307.5	311.7	314.5	317.3	318.7	320.1	321.5	322.9	322.9	322.9
32.5°	303.3	307.5	310.3	314.5	315.9	317.3	318.7	320.1	320.1	320.1
35°	299.1	303.3	306.1	310.3	311.7	313.1	315.9	315.9	317.3	317.3
37.5°	292.1	297.7	300.5	304.7	306.1	307.5	310.3	311.7	311.7	311.7
40°	285.2	290.7	293.5	297.7	299.1	300.5	303.3	304.7	306.1	306.1
42.5°	276.8	282.4	285.2	289.3	290.7	292.1	294.9	296.3	297.7	297.7
45°	268.4	272.6	275.4	279.6	282.4	282.4	285.2	286.6	287.9	287.9
47.5°	257.2	261.4	264.2	268.4	271.2	272.6	274.0	275.4	276.8	276.8
50°	244.6	248.8	253.0	255.8	258.6	258.6	261.4	262.8	264.2	264.2
52.5°	232.0	234.8	239.0	243.2	244.6	246.0	247.4	248.8	250.2	250.2
55°	218.1	220.9	225.0	227.8	229.2	230.6	232.0	233.4	234.8	234.8
57.5°	202.7	205.5	209.7	212.5	213.9	215.3	216.7	218.1	219.5	219.5
60°	185.9	188.7	192.9	195.7	197.1	197.1	199.9	201.3	201.3	201.3
62.5°	169.1	171.9	174.7	177.5	178.9	180.3	181.7	183.1	183.1	183.1
65°	152.4	155.2	158.0	159.4	160.7	160.7	162.1	163.5	164.9	164.9
67.5°	134.2	137.0	139.8	141.2	142.6	142.6	144.0	145.4	145.4	145.4
70°	116.0	117.4	120.2	121.6	123.0	123.0	125.8	125.8	125.8	125.8
72.5°	97.8	99.2	102.0	103.4	104.8	104.8	106.2	107.6	107.6	107.6
75°	81.1	82.5	83.9	86.7	86.7	86.7	88.1	89.5	89.5	89.5
77.5°	64.3	65.7	67.1	68.5	69.9	69.9	71.3	72.7	72.7	72.7
80°	48.9	50.3	51.7	53.1	53.1	54.5	54.5	55.9	55.9	55.9
82.5°	34.9	36.3	37.7	39.1	40.5	40.5	41.9	43.3	43.3	41.9
85°	23.8	26.6	28.0	29.4	29.4	29.4	30.8	32.1	32.1	30.8
87.5°	16.8	16.8	18.2	19.6	19.6	21.0	21.0	22.4	22.4	22.4
90°	9.8	9.8	11.2	11.2	12.6	12.6	12.6	14.0	14.0	14.0
92.5°	23.8	23.8	25.2	25.2	25.2	25.2	26.6	26.6	26.6	26.6
95°	254.4	114.6	96.4	58.7	55.9	48.9	47.5	48.9	48.9	47.5
97.5°	854.1	914.2	951.9	970.1	947.7	924.0	897.4	893.2	856.9	775.8
100°	921.2	968.7	1014.8	1047.0	1059.5	1070.7	1095.9	1111.3	1118.2	1125.2
102.5°	954.7	1005.0	1045.6	1086.1	1102.9	1118.2	1140.6	1158.8	1165.8	1171.4
105°	984.1	1035.8	1080.5	1116.8	1132.2	1146.2	1168.6	1185.3	1197.9	1199.3
107.5°	991.0	1045.6	1095.9	1140.6	1158.8	1174.2	1200.7	1213.3	1224.5	1224.5
110°	1003.6	1055.3	1101.5	1142.0	1160.2	1178.4	1206.3	1225.9	1237.1	1239.9



TEST NUMBER: P395774

CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1013.4	1066.5	1109.9	1150.4	1165.8	1182.5	1209.1	1227.3	1237.1	1241.3
115°	1021.8	1073.5	1116.8	1154.6	1171.4	1188.1	1214.7	1230.1	1241.3	1245.4
117.5°	1027.4	1077.7	1121.0	1156.0	1174.2	1188.1	1213.3	1230.1	1241.3	1242.7
120°	1028.8	1079.1	1121.0	1156.0	1171.4	1186.7	1211.9	1228.7	1239.9	1239.9
122.5°	1028.8	1077.7	1119.6	1153.2	1167.2	1181.1	1204.9	1224.5	1234.3	1234.3
125°	1023.2	1072.1	1112.7	1146.2	1160.2	1172.8	1197.9	1216.1	1225.9	1227.3
127.5°	1014.8	1062.3	1102.9	1136.4	1150.4	1161.6	1188.1	1204.9	1214.7	1216.1
130°	1003.6	1051.2	1090.3	1122.4	1136.4	1149.0	1171.4	1189.5	1200.7	1203.5
132.5°	991.0	1035.8	1074.9	1105.7	1119.6	1130.8	1153.2	1171.4	1181.1	1185.3
135°	975.7	1017.6	1055.3	1086.1	1100.1	1111.3	1132.2	1150.4	1160.2	1164.4
137.5°	956.1	996.6	1033.0	1063.7	1076.3	1087.5	1108.5	1125.2	1133.6	1139.2
140°	933.7	971.5	1009.2	1037.2	1049.8	1060.9	1079.1	1097.3	1105.7	1109.9
142.5°	910.0	947.7	981.3	1009.2	1020.4	1031.6	1049.8	1066.5	1074.9	1076.3
145°	884.8	921.2	951.9	978.5	988.3	999.4	1016.2	1033.0	1041.4	1042.8
147.5°	856.9	890.4	919.8	944.9	956.1	964.5	979.9	995.2	1003.6	1005.0
150°	824.7	855.5	882.0	907.2	917.0	925.3	942.1	956.1	964.5	965.9
152.5°	794.0	823.3	845.7	868.0	877.8	886.2	900.2	914.2	922.6	924.0
155°	761.8	788.4	810.7	828.9	837.3	845.7	856.9	869.4	876.4	877.8
157.5°	728.3	753.4	773.0	789.8	798.1	805.1	814.9	826.1	830.3	833.1
160°	691.9	712.9	729.7	746.4	753.4	760.4	770.2	778.6	784.2	785.6
162.5°	652.8	670.9	684.9	700.3	704.5	710.1	719.9	728.3	732.5	733.8
165°	612.2	629.0	641.6	654.2	657.0	661.2	668.2	676.5	679.3	682.1
167.5°	571.7	585.7	594.1	605.3	609.4	612.2	619.2	624.8	627.6	629.0
170°	532.6	542.3	549.3	557.7	559.1	563.3	567.5	573.1	574.5	574.5
172.5°	501.8	506.0	510.2	513.0	514.4	515.8	518.6	520.0	520.0	520.0
175°	482.2	485.0	485.0	486.4	486.4	486.4	486.4	486.4	486.4	486.4
177.5°	471.1	471.1	471.1	469.7	469.7	469.7	469.7	468.3	468.3	468.3
180°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3

(END OF REPORT)