

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: P395771

Luminaire Tested: **I3-UL-60L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395771
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 (3000K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4724.5 lumens
Efficiency: N/A
Efficacy: 104.8 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

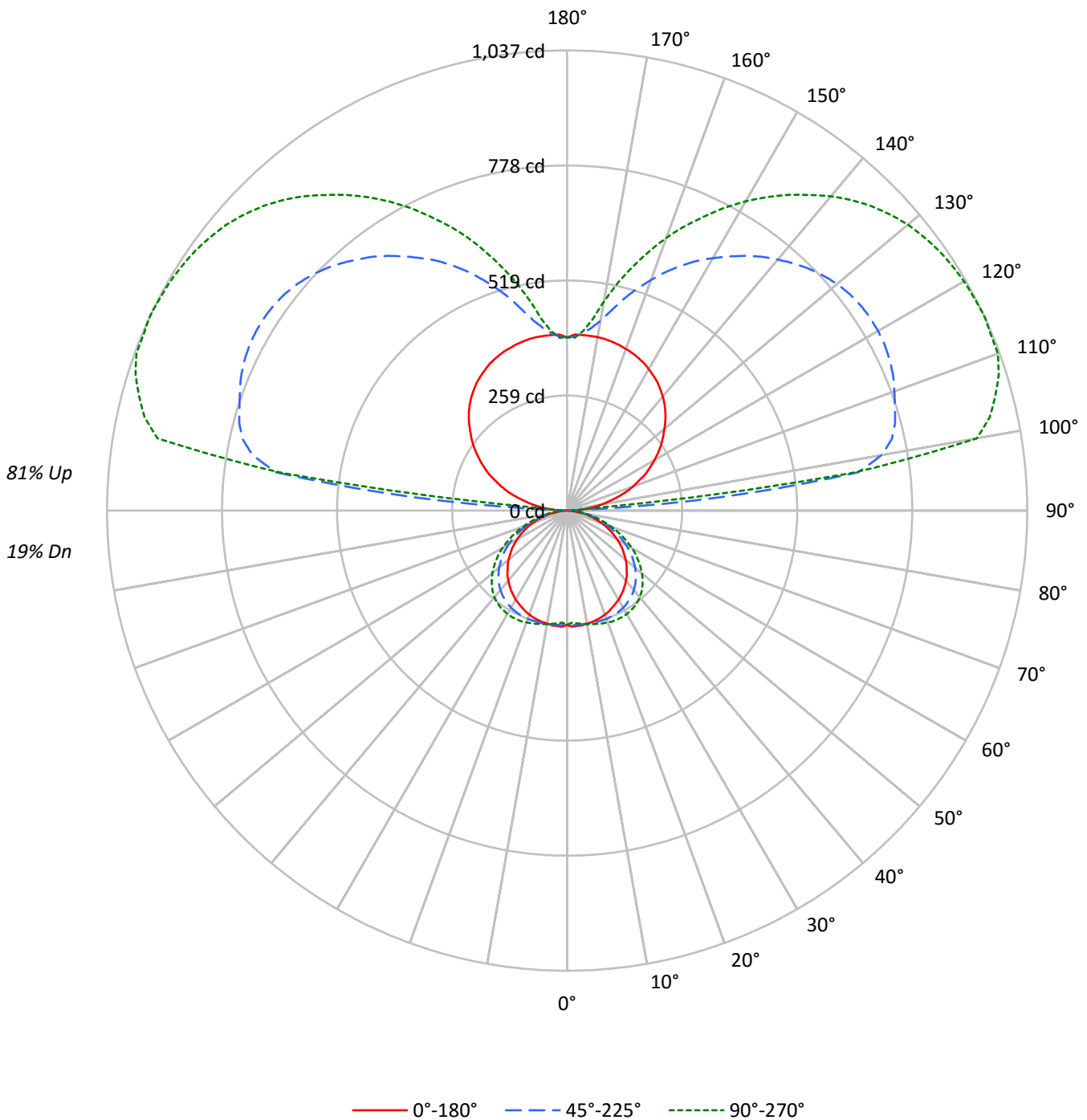
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1414	1414	1414
5°	1434	1394	1367
10°	1432	1384	1368
15°	1435	1379	1381
20°	1435	1385	1397
25°	1433	1388	1418
30°	1435	1390	1432
35°	1434	1383	1438
40°	1428	1373	1430
45°	1415	1344	1399
50°	1402	1301	1347
55°	1378	1237	1270
60°	1335	1148	1169
65°	1276	1022	1042
70°	1206	887	879
75°	1046	695	705
80°	831	500	510
85°	492	290	336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	0.5
10°-20°	73.4	1.6
20°-30°	118.1	2.5
30°-40°	152.0	3.2
40°-50°	166.9	3.5
50°-60°	156.9	3.3
60°-70°	121.9	2.6
70°-80°	69.9	1.5
80°-90°	22.4	0.5
90°-100°	302.0	6.4
100°-110°	717.7	15.2
110°-120°	720.9	15.3
120°-130°	661.2	14.0
130°-140°	552.9	11.7
140°-150°	415.0	8.8
150°-160°	270.1	5.7
160°-170°	139.1	2.9
170°-180°	39.4	0.8
0°-30°	216.1	4.6
0°-40°	368.1	7.8
0°-60°	692.0	14.6
0°-90°	906.3	19.2
90°-120°	1740.7	36.8
90°-150°	3369.6	71.3
90°-180°	3818.0	80.8
0°-180°	4724.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	257	257	257	257	257	
5°	261	258	258	257	255	25
15°	255	254	260	263	264	72
25°	241	243	257	267	270	111
35°	220	226	244	260	264	138
45°	190	199	219	235	240	147
55°	152	161	178	191	196	136
65°	107	113	123	134	137	106
75°	57	59	65	72	74	61
85°	12	14	19	24	26	14
90°	1	4	7	10	12	4
95°	41	338	347	47	40	41
105°	118	453	765	943	999	124
115°	194	510	802	976	1037	191
125°	258	532	807	966	1022	231
135°	313	530	771	916	970	241
145°	354	508	701	823	869	221
155°	380	466	609	697	731	175
165°	394	420	494	547	568	111
175°	397	396	400	405	405	38
180°	390	390	390	390	390	



TEST NUMBER: P395771

CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	257.3	257.3	257.3	257.3	257.3	257.3	257.3	257.3	257.3	257.3	257.3
2.5°	262.0	260.8	259.6	259.6	258.5	258.5	258.5	257.3	257.3	257.3	258.5
5°	260.8	260.8	259.6	258.5	258.5	258.5	257.3	257.3	257.3	257.3	258.5
7.5°	260.8	259.6	258.5	258.5	257.3	257.3	257.3	257.3	257.3	257.3	258.5
10°	258.5	258.5	257.3	257.3	256.2	257.3	257.3	257.3	257.3	257.3	259.6
12.5°	257.3	257.3	256.2	255.0	255.0	255.0	256.2	256.2	256.2	257.3	259.6
15°	255.0	255.0	253.8	253.8	253.8	253.8	255.0	255.0	256.2	257.3	259.6
17.5°	252.7	252.7	251.5	251.5	251.5	252.7	252.7	253.8	255.0	257.3	259.6
20°	249.2	249.2	249.2	249.2	249.2	250.3	250.3	251.5	253.8	256.2	259.6
22.5°	245.7	245.7	245.7	245.7	245.7	246.8	248.0	250.3	251.5	255.0	258.5
25°	241.0	241.0	241.0	241.0	242.2	243.3	244.5	246.8	249.2	252.7	257.3
27.5°	236.4	237.5	237.5	237.5	238.7	239.9	241.0	243.3	246.8	251.5	255.0
30°	231.7	231.7	231.7	232.9	234.0	235.2	237.5	239.9	243.3	248.0	252.7
32.5°	225.9	225.9	227.0	227.0	229.4	230.5	232.9	236.4	239.9	244.5	249.2
35°	220.1	220.1	220.1	222.4	223.6	225.9	227.0	230.5	235.2	239.9	244.5
37.5°	213.1	214.2	214.2	215.4	217.7	220.1	221.2	225.9	230.5	235.2	239.9
40°	206.1	207.3	207.3	208.4	211.9	213.1	215.4	220.1	223.6	229.4	234.0
42.5°	199.1	199.1	200.3	201.4	204.9	206.1	208.4	213.1	217.7	222.4	227.0
45°	189.8	191.0	192.1	193.3	196.8	199.1	201.4	204.9	209.6	214.2	218.9
47.5°	181.6	181.6	182.8	185.1	188.6	191.0	192.1	196.8	200.3	204.9	209.6
50°	172.3	173.5	173.5	175.8	179.3	181.6	182.8	187.5	191.0	195.6	200.3
52.5°	161.8	163.0	164.2	166.5	170.0	172.3	173.5	177.0	180.5	185.1	188.6
55°	152.5	153.7	153.7	156.0	159.5	160.7	163.0	165.3	170.0	173.5	178.1
57.5°	142.0	143.2	143.2	145.5	147.9	150.2	151.4	154.9	158.4	161.8	165.3
60°	130.4	131.6	132.7	133.9	136.2	138.6	139.7	142.0	145.5	149.0	152.5
62.5°	118.8	119.9	121.1	122.3	124.6	125.7	126.9	130.4	132.7	136.2	138.6
65°	107.1	108.3	109.4	110.6	111.8	112.9	114.1	116.4	118.8	122.3	123.4
67.5°	95.5	96.6	96.6	97.8	99.0	100.1	101.3	103.6	104.8	108.3	109.4
70°	83.8	83.8	83.8	85.0	85.0	86.2	87.3	89.7	90.8	93.1	95.5
72.5°	69.9	71.0	71.0	71.0	72.2	73.4	74.5	75.7	76.8	78.0	80.3
75°	57.1	58.2	57.1	58.2	59.4	59.4	60.5	61.7	62.9	64.0	65.2
77.5°	45.4	44.2	45.4	45.4	46.6	46.6	46.6	47.7	50.1	50.1	52.4
80°	32.6	32.6	32.6	32.6	33.8	33.8	34.9	34.9	37.3	38.4	39.6
82.5°	21.0	21.0	22.1	22.1	22.1	23.3	23.3	24.5	25.6	26.8	27.9
85°	11.6	11.6	11.6	12.8	12.8	14.0	14.0	15.1	16.3	17.5	18.6
87.5°	3.5	4.7	5.8	5.8	7.0	7.0	8.2	8.2	10.5	11.6	12.8
90°	1.2	1.2	2.3	2.3	2.3	3.5	3.5	4.7	4.7	5.8	7.0
92.5°	19.8	46.6	96.6	144.4	124.6	116.4	69.9	21.0	18.6	19.8	19.8
95°	40.8	76.8	140.9	228.2	295.7	337.7	365.6	419.2	473.9	464.6	347.0
97.5°	59.4	99.0	170.0	250.3	343.5	391.2	427.3	491.4	561.2	619.4	661.3
100°	78.0	118.8	194.4	278.3	364.4	407.5	449.4	536.8	605.5	663.7	719.6
102.5°	97.8	138.6	216.6	303.9	388.9	430.8	471.6	548.4	625.3	695.1	749.8
105°	117.6	159.5	236.4	326.0	411.0	452.9	492.5	565.9	636.9	702.1	765.0
107.5°	138.6	178.1	253.8	343.5	428.5	470.4	510.0	583.3	652.0	717.2	774.3
110°	157.2	195.6	271.3	359.8	444.8	486.7	526.3	599.6	667.2	728.9	784.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	174.7	211.9	287.6	373.8	457.6	499.5	537.9	611.3	678.8	739.4	795.2
115°	194.4	227.0	303.9	386.6	469.2	510.0	548.4	620.6	688.1	747.5	802.2
117.5°	210.7	242.2	317.9	397.0	478.5	518.1	555.4	627.6	693.9	753.3	806.9
120°	227.0	256.2	330.7	406.4	485.5	524.0	561.2	632.2	698.6	756.8	809.2
122.5°	243.3	270.1	341.2	415.7	491.4	529.8	565.9	635.7	700.9	758.0	809.2
125°	258.5	281.8	350.5	422.7	494.8	532.1	567.0	635.7	699.8	755.7	806.9
127.5°	272.5	294.6	357.5	429.6	497.2	533.3	567.0	633.4	697.4	752.2	802.2
130°	286.4	306.2	364.4	433.1	499.5	532.1	564.7	628.7	691.6	746.3	794.1
132.5°	300.4	319.0	370.3	436.6	500.7	532.1	562.4	624.1	684.6	738.2	783.6
135°	313.2	328.3	376.1	439.0	499.5	529.8	557.7	615.9	674.2	726.5	770.8
137.5°	324.9	337.7	380.7	440.1	498.3	526.3	554.2	606.6	661.3	712.6	755.7
140°	335.3	347.0	383.1	440.1	493.7	521.6	547.2	597.3	647.4	696.3	738.2
142.5°	344.6	355.1	386.6	437.8	489.0	515.8	540.3	588.0	633.4	680.0	720.7
145°	354.0	362.1	388.9	436.6	483.2	507.7	530.9	576.3	620.6	662.5	700.9
147.5°	360.9	369.1	391.2	432.0	476.2	498.3	520.5	563.5	604.3	643.9	678.8
150°	367.9	374.9	392.4	427.3	468.1	487.9	507.7	548.4	588.0	624.1	656.7
152.5°	374.9	379.6	395.9	422.7	458.8	477.4	497.2	533.3	569.4	603.1	634.6
155°	379.6	383.1	397.0	418.0	449.4	465.7	482.0	515.8	548.4	579.8	609.0
157.5°	384.2	387.7	398.2	414.5	439.0	454.1	468.1	497.2	527.4	555.4	582.2
160°	387.7	390.1	398.2	412.2	429.6	440.1	452.9	479.7	505.3	529.8	553.1
162.5°	391.2	392.4	398.2	408.7	421.5	428.5	437.8	458.8	482.0	503.0	524.0
165°	393.5	394.7	398.2	406.4	414.5	420.3	425.0	440.1	457.6	476.2	493.7
167.5°	395.9	395.9	398.2	404.0	408.7	412.2	415.7	423.8	435.5	449.4	462.2
170°	397.0	397.0	398.2	401.7	405.2	406.4	408.7	413.3	419.2	426.1	434.3
172.5°	397.0	397.0	397.0	399.4	400.5	400.5	400.5	402.9	406.4	411.0	414.5
175°	397.0	395.9	395.9	397.0	395.9	395.9	395.9	395.9	397.0	399.4	400.5
177.5°	397.0	395.9	394.7	394.7	393.5	393.5	392.4	392.4	392.4	392.4	392.4
180°	390.1	390.1	390.1	390.1	390.1	390.1	390.1	390.1	390.1	390.1	390.1



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CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	257.3	257.3	257.3	257.3	257.3	257.3	257.3	257.3	257.3	257.3
2.5°	258.5	258.5	257.3	256.2	256.2	256.2	255.0	253.8	252.7	252.7
5°	258.5	258.5	257.3	257.3	257.3	257.3	256.2	256.2	255.0	255.0
7.5°	259.6	258.5	258.5	258.5	258.5	258.5	258.5	258.5	257.3	257.3
10°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
12.5°	260.8	260.8	260.8	260.8	262.0	262.0	262.0	262.0	262.0	262.0
15°	260.8	262.0	263.1	263.1	263.1	264.3	264.3	264.3	264.3	264.3
17.5°	262.0	263.1	264.3	264.3	265.5	265.5	266.6	266.6	266.6	266.6
20°	262.0	263.1	264.3	265.5	266.6	266.6	267.8	269.0	269.0	267.8
22.5°	260.8	263.1	264.3	265.5	266.6	267.8	269.0	270.1	270.1	270.1
25°	259.6	262.0	264.3	266.6	266.6	267.8	270.1	270.1	270.1	270.1
27.5°	258.5	260.8	263.1	265.5	266.6	267.8	269.0	270.1	270.1	270.1
30°	256.2	259.6	262.0	264.3	265.5	266.6	267.8	269.0	269.0	269.0
32.5°	252.7	256.2	258.5	262.0	263.1	264.3	265.5	266.6	266.6	266.6
35°	249.2	252.7	255.0	258.5	259.6	260.8	263.1	263.1	264.3	264.3
37.5°	243.3	248.0	250.3	253.8	255.0	256.2	258.5	259.6	259.6	259.6
40°	237.5	242.2	244.5	248.0	249.2	250.3	252.7	253.8	255.0	255.0
42.5°	230.5	235.2	237.5	241.0	242.2	243.3	245.7	246.8	248.0	248.0
45°	223.6	227.0	229.4	232.9	235.2	235.2	237.5	238.7	239.9	239.9
47.5°	214.2	217.7	220.1	223.6	225.9	227.0	228.2	229.4	230.5	230.5
50°	203.8	207.3	210.7	213.1	215.4	215.4	217.7	218.9	220.1	220.1
52.5°	193.3	195.6	199.1	202.6	203.8	204.9	206.1	207.3	208.4	208.4
55°	181.6	184.0	187.5	189.8	191.0	192.1	193.3	194.4	195.6	195.6
57.5°	168.8	171.2	174.7	177.0	178.1	179.3	180.5	181.6	182.8	182.8
60°	154.9	157.2	160.7	163.0	164.2	164.2	166.5	167.7	167.7	167.7
62.5°	140.9	143.2	145.5	147.9	149.0	150.2	151.4	152.5	152.5	152.5
65°	126.9	129.2	131.6	132.7	133.9	133.9	135.1	136.2	137.4	137.4
67.5°	111.8	114.1	116.4	117.6	118.8	118.8	119.9	121.1	121.1	121.1
70°	96.6	97.8	100.1	101.3	102.5	102.5	104.8	104.8	104.8	104.8
72.5°	81.5	82.7	85.0	86.2	87.3	87.3	88.5	89.7	89.7	89.7
75°	67.5	68.7	69.9	72.2	72.2	72.2	73.4	74.5	74.5	74.5
77.5°	53.6	54.7	55.9	57.1	58.2	58.2	59.4	60.5	60.5	60.5
80°	40.8	41.9	43.1	44.2	44.2	45.4	45.4	46.6	46.6	46.6
82.5°	29.1	30.3	31.4	32.6	33.8	33.8	34.9	36.1	36.1	34.9
85°	19.8	22.1	23.3	24.5	24.5	24.5	25.6	26.8	26.8	25.6
87.5°	14.0	14.0	15.1	16.3	16.3	17.5	17.5	18.6	18.6	18.6
90°	8.2	8.2	9.3	9.3	10.5	10.5	10.5	11.6	11.6	11.6
92.5°	19.8	19.8	21.0	21.0	21.0	21.0	22.1	22.1	22.1	22.1
95°	211.9	95.5	80.3	48.9	46.6	40.8	39.6	40.8	40.8	39.6
97.5°	711.4	761.5	792.9	808.1	789.4	769.6	747.5	744.0	713.7	646.2
100°	767.3	806.9	845.3	872.1	882.6	891.9	912.8	925.7	931.5	937.3
102.5°	795.2	837.2	870.9	904.7	918.7	931.5	950.1	965.2	971.1	975.7
105°	819.7	862.8	900.0	930.3	943.1	954.8	973.4	987.4	997.8	999.0
107.5°	825.5	870.9	912.8	950.1	965.2	978.0	1000.2	1010.6	1020.0	1020.0
110°	836.0	879.1	917.5	951.3	966.4	981.5	1004.8	1021.1	1030.4	1032.8



TEST NUMBER: P395771

CATALOG NUMBER: I3-UL-60L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	844.1	888.4	924.5	958.3	971.1	985.0	1007.2	1022.3	1030.4	1033.9
115°	851.1	894.2	930.3	961.7	975.7	989.7	1011.8	1024.6	1033.9	1037.4
117.5°	855.8	897.7	933.8	962.9	978.0	989.7	1010.6	1024.6	1033.9	1035.1
120°	857.0	898.9	933.8	962.9	975.7	988.5	1009.5	1023.5	1032.8	1032.8
122.5°	857.0	897.7	932.6	960.6	972.2	983.9	1003.7	1020.0	1028.1	1028.1
125°	852.3	893.1	926.8	954.8	966.4	976.9	997.8	1013.0	1021.1	1022.3
127.5°	845.3	884.9	918.7	946.6	958.3	967.6	989.7	1003.7	1011.8	1013.0
130°	836.0	875.6	908.2	935.0	946.6	957.1	975.7	990.9	1000.2	1002.5
132.5°	825.5	862.8	895.4	921.0	932.6	942.0	960.6	975.7	983.9	987.4
135°	812.7	847.6	879.1	904.7	916.3	925.7	943.1	958.3	966.4	969.9
137.5°	796.4	830.2	860.4	886.1	896.5	905.9	923.3	937.3	944.3	948.9
140°	777.8	809.2	840.7	863.9	874.4	883.7	898.9	914.0	921.0	924.5
142.5°	758.0	789.4	817.4	840.7	850.0	859.3	874.4	888.4	895.4	896.5
145°	737.0	767.3	792.9	815.0	823.2	832.5	846.5	860.4	867.4	868.6
147.5°	713.7	741.7	766.1	787.1	796.4	803.4	816.2	829.0	836.0	837.2
150°	687.0	712.6	734.7	755.7	763.8	770.8	784.8	796.4	803.4	804.6
152.5°	661.3	685.8	704.4	723.1	731.2	738.2	749.8	761.5	768.5	769.6
155°	634.6	656.7	675.3	690.5	697.4	704.4	713.7	724.2	730.0	731.2
157.5°	606.6	627.6	643.9	657.9	664.8	670.7	678.8	688.1	691.6	693.9
160°	576.3	593.8	607.8	621.8	627.6	633.4	641.6	648.5	653.2	654.4
162.5°	543.7	558.9	570.5	583.3	586.8	591.5	599.6	606.6	610.1	611.3
165°	510.0	524.0	534.4	544.9	547.2	550.7	556.6	563.5	565.9	568.2
167.5°	476.2	487.9	494.8	504.2	507.7	510.0	515.8	520.5	522.8	524.0
170°	443.6	451.8	457.6	464.6	465.7	469.2	472.7	477.4	478.5	478.5
172.5°	418.0	421.5	425.0	427.3	428.5	429.6	432.0	433.1	433.1	433.1
175°	401.7	404.0	404.0	405.2	405.2	405.2	405.2	405.2	405.2	405.2
177.5°	392.4	392.4	392.4	391.2	391.2	391.2	391.2	390.1	390.1	390.1
180°	390.1	390.1	390.1	390.1	390.1	390.1	390.1	390.1	390.1	390.1

(END OF REPORT)