

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: P395758

Luminaire Tested: **I3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395758
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-60L83050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5744.7 lumens
Efficiency: N/A
Efficacy: 130.6 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

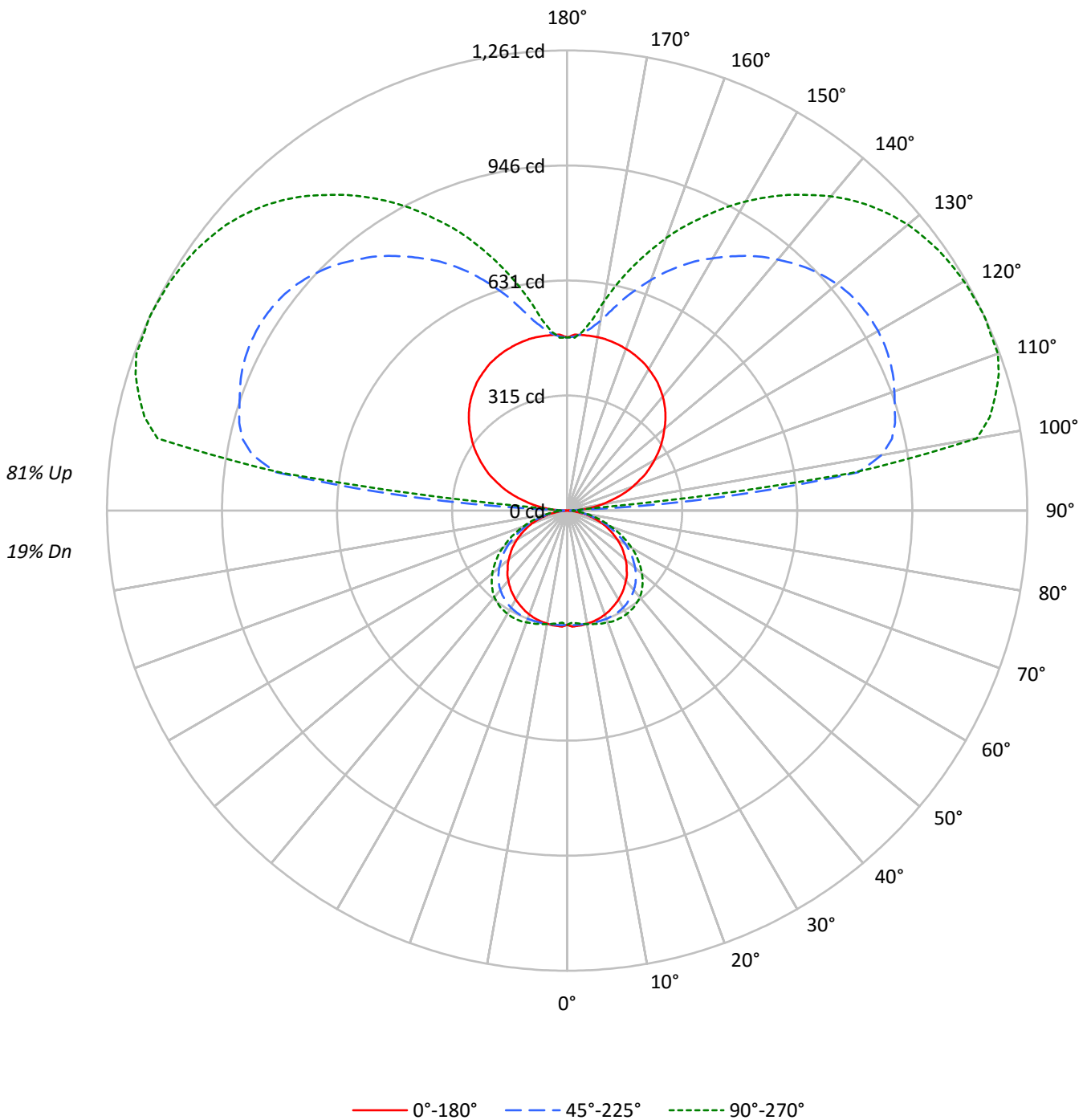
Input Watts (W): 44
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)

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°	1720	1720	1720
5°	1743	1695	1662
10°	1741	1683	1664
15°	1745	1677	1679
20°	1745	1684	1698
25°	1743	1688	1724
30°	1745	1690	1740
35°	1744	1682	1748
40°	1736	1670	1739
45°	1721	1635	1700
50°	1705	1581	1638
55°	1676	1505	1544
60°	1624	1396	1421
65°	1553	1243	1267
70°	1466	1078	1069
75°	1272	845	857
80°	1010	607	620
85°	602	355	408



TEST NUMBER: P395758

CATALOG NUMBER: I3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	0.5
10°-20°	89.3	1.6
20°-30°	143.6	2.5
30°-40°	184.8	3.2
40°-50°	203.0	3.5
50°-60°	190.8	3.3
60°-70°	148.2	2.6
70°-80°	85.0	1.5
80°-90°	27.3	0.5
90°-100°	367.2	6.4
100°-110°	872.7	15.2
110°-120°	876.6	15.3
120°-130°	803.9	14.0
130°-140°	672.2	11.7
140°-150°	504.6	8.8
150°-160°	328.5	5.7
160°-170°	169.1	2.9
170°-180°	47.9	0.8
0°-30°	262.8	4.6
0°-40°	447.6	7.8
0°-60°	841.4	14.6
0°-90°	1102.0	19.2
90°-120°	2116.5	36.8
90°-150°	4097.3	71.3
90°-180°	4643.0	80.8
0°-180°	5744.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	313	313	313	313	313	
5°	317	314	314	313	310	30
15°	310	309	316	320	321	88
25°	293	296	313	324	328	135
35°	268	275	297	316	321	167
45°	231	242	266	286	292	178
55°	186	195	217	232	238	165
65°	130	137	150	163	167	129
75°	69	72	79	88	91	74
85°	14	17	23	30	31	17
90°	1	4	8	13	14	4
95°	50	411	422	57	48	49
105°	143	551	930	1147	1215	151
115°	236	620	976	1186	1261	232
125°	314	647	981	1175	1243	281
135°	381	644	937	1114	1179	293
145°	430	617	852	1001	1056	269
155°	462	566	740	848	889	213
165°	478	511	600	665	691	135
175°	483	481	487	493	493	46
180°	474	474	474	474	474	



TEST NUMBER: P395758

CATALOG NUMBER: I3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9
2.5°	318.5	317.1	315.7	315.7	314.3	314.3	314.3	312.9	312.9	312.9	314.3
5°	317.1	317.1	315.7	314.3	314.3	314.3	312.9	312.9	312.9	312.9	314.3
7.5°	317.1	315.7	314.3	314.3	312.9	312.9	312.9	312.9	312.9	312.9	314.3
10°	314.3	314.3	312.9	312.9	311.5	312.9	312.9	312.9	312.9	312.9	315.7
12.5°	312.9	312.9	311.5	310.1	310.1	310.1	311.5	311.5	311.5	312.9	315.7
15°	310.1	310.1	308.6	308.6	308.6	308.6	310.1	310.1	311.5	312.9	315.7
17.5°	307.2	307.2	305.8	305.8	305.8	307.2	307.2	308.6	310.1	312.9	315.7
20°	303.0	303.0	303.0	303.0	303.0	304.4	304.4	305.8	308.6	311.5	315.7
22.5°	298.7	298.7	298.7	298.7	298.7	300.1	301.6	304.4	305.8	310.1	314.3
25°	293.1	293.1	293.1	293.1	294.5	295.9	297.3	300.1	303.0	307.2	312.9
27.5°	287.4	288.8	288.8	288.8	290.2	291.6	293.1	295.9	300.1	305.8	310.1
30°	281.7	281.7	281.7	283.2	284.6	286.0	288.8	291.6	295.9	301.6	307.2
32.5°	274.7	274.7	276.1	276.1	278.9	280.3	283.2	287.4	291.6	297.3	303.0
35°	267.6	267.6	267.6	270.4	271.8	274.7	276.1	280.3	286.0	291.6	297.3
37.5°	259.1	260.5	260.5	261.9	264.7	267.6	269.0	274.7	280.3	286.0	291.6
40°	250.6	252.0	252.0	253.4	257.7	259.1	261.9	267.6	271.8	278.9	284.6
42.5°	242.1	242.1	243.5	244.9	249.2	250.6	253.4	259.1	264.7	270.4	276.1
45°	230.8	232.2	233.6	235.0	239.3	242.1	244.9	249.2	254.8	260.5	266.2
47.5°	220.9	220.9	222.3	225.1	229.4	232.2	233.6	239.3	243.5	249.2	254.8
50°	209.5	210.9	210.9	213.8	218.0	220.9	222.3	227.9	232.2	237.8	243.5
52.5°	196.8	198.2	199.6	202.5	206.7	209.5	210.9	215.2	219.4	225.1	229.4
55°	185.5	186.9	186.9	189.7	194.0	195.4	198.2	201.0	206.7	210.9	216.6
57.5°	172.7	174.1	174.1	177.0	179.8	182.6	184.0	188.3	192.5	196.8	201.0
60°	158.6	160.0	161.4	162.8	165.6	168.5	169.9	172.7	177.0	181.2	185.5
62.5°	144.4	145.8	147.2	148.7	151.5	152.9	154.3	158.6	161.4	165.6	168.5
65°	130.3	131.7	133.1	134.5	135.9	137.3	138.7	141.6	144.4	148.7	150.1
67.5°	116.1	117.5	117.5	118.9	120.3	121.8	123.2	126.0	127.4	131.7	133.1
70°	101.9	101.9	101.9	103.4	103.4	104.8	106.2	109.0	110.4	113.3	116.1
72.5°	84.9	86.4	86.4	86.4	87.8	89.2	90.6	92.0	93.4	94.9	97.7
75°	69.4	70.8	69.4	70.8	72.2	72.2	73.6	75.0	76.5	77.9	79.3
77.5°	55.2	53.8	55.2	55.2	56.6	56.6	56.6	58.0	60.9	60.9	63.7
80°	39.6	39.6	39.6	39.6	41.1	41.1	42.5	42.5	45.3	46.7	48.1
82.5°	25.5	25.5	26.9	26.9	26.9	28.3	28.3	29.7	31.1	32.6	34.0
85°	14.2	14.2	14.2	15.6	15.6	17.0	17.0	18.4	19.8	21.2	22.7
87.5°	4.2	5.7	7.1	7.1	8.5	8.5	9.9	9.9	12.7	14.2	15.6
90°	1.4	1.4	2.8	2.8	2.8	4.2	4.2	5.7	5.7	7.1	8.5
92.5°	24.1	56.6	117.5	175.6	151.5	141.6	84.9	25.5	22.7	24.1	24.1
95°	49.6	93.4	171.3	277.5	359.6	410.6	444.6	509.7	576.2	564.9	421.9
97.5°	72.2	120.3	206.7	304.4	417.7	475.7	519.6	597.5	682.4	753.2	804.2
100°	94.9	144.4	236.4	338.4	443.1	495.5	546.5	652.7	736.2	807.0	874.9
102.5°	118.9	168.5	263.3	369.5	472.9	523.8	573.4	666.8	760.3	845.2	911.8
105°	143.0	194.0	287.4	396.4	499.8	550.7	598.9	688.1	774.4	853.7	930.2
107.5°	168.5	216.6	308.6	417.7	521.0	572.0	620.1	709.3	792.8	872.1	941.5
110°	191.1	237.8	329.9	437.5	540.8	591.8	639.9	729.1	811.2	886.3	954.2



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CATALOG NUMBER: I3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	212.4	257.7	349.7	454.5	556.4	607.4	654.1	743.3	825.4	899.0	967.0
115°	236.4	276.1	369.5	470.0	570.6	620.1	666.8	754.6	836.7	908.9	975.5
117.5°	256.3	294.5	386.5	482.8	581.9	630.0	675.3	763.1	843.8	916.0	981.1
120°	276.1	311.5	402.1	494.1	590.4	637.1	682.4	768.8	849.5	920.2	984.0
122.5°	295.9	328.5	414.8	505.4	597.5	644.2	688.1	773.0	852.3	921.7	984.0
125°	314.3	342.6	426.1	513.9	601.7	647.0	689.5	773.0	850.9	918.8	981.1
127.5°	331.3	358.2	434.6	522.4	604.5	648.4	689.5	770.2	848.0	914.6	975.5
130°	348.3	372.3	443.1	526.7	607.4	647.0	686.6	764.5	841.0	907.5	965.6
132.5°	365.3	387.9	450.2	530.9	608.8	647.0	683.8	758.9	832.5	897.6	952.8
135°	380.8	399.2	457.3	533.7	607.4	644.2	678.2	748.9	819.7	883.4	937.2
137.5°	395.0	410.6	463.0	535.2	605.9	639.9	673.9	737.6	804.2	866.4	918.8
140°	407.7	421.9	465.8	535.2	600.3	634.3	665.4	726.3	787.2	846.6	897.6
142.5°	419.1	431.8	470.0	532.3	594.6	627.2	656.9	715.0	770.2	826.8	876.4
145°	430.4	440.3	472.9	530.9	587.5	617.3	645.6	700.8	754.6	805.6	852.3
147.5°	438.9	448.8	475.7	525.2	579.0	605.9	632.8	685.2	734.8	782.9	825.4
150°	447.4	455.9	477.1	519.6	569.1	593.2	617.3	666.8	715.0	758.9	798.5
152.5°	455.9	461.5	481.4	513.9	557.8	580.5	604.5	648.4	692.3	733.4	771.6
155°	461.5	465.8	482.8	508.3	546.5	566.3	586.1	627.2	666.8	705.1	740.4
157.5°	467.2	471.5	484.2	504.0	533.7	552.1	569.1	604.5	641.3	675.3	707.9
160°	471.5	474.3	484.2	501.2	522.4	535.2	550.7	583.3	614.4	644.2	672.5
162.5°	475.7	477.1	484.2	496.9	512.5	521.0	532.3	557.8	586.1	611.6	637.1
165°	478.5	479.9	484.2	494.1	504.0	511.1	516.8	535.2	556.4	579.0	600.3
167.5°	481.4	481.4	484.2	491.3	496.9	501.2	505.4	515.3	529.5	546.5	562.1
170°	482.8	482.8	484.2	488.4	492.7	494.1	496.9	502.6	509.7	518.2	528.1
172.5°	482.8	482.8	482.8	485.6	487.0	487.0	487.0	489.9	494.1	499.8	504.0
175°	482.8	481.4	481.4	482.8	481.4	481.4	481.4	481.4	482.8	485.6	487.0
177.5°	482.8	481.4	479.9	479.9	478.5	478.5	477.1	477.1	477.1	477.1	477.1
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3



TEST NUMBER: P395758

CATALOG NUMBER: I3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9	312.9
2.5°	314.3	314.3	312.9	311.5	311.5	311.5	310.1	308.6	307.2	307.2
5°	314.3	314.3	312.9	312.9	312.9	312.9	311.5	311.5	310.1	310.1
7.5°	315.7	314.3	314.3	314.3	314.3	314.3	314.3	314.3	312.9	312.9
10°	315.7	315.7	315.7	315.7	315.7	315.7	315.7	315.7	315.7	315.7
12.5°	317.1	317.1	317.1	317.1	318.5	318.5	318.5	318.5	318.5	318.5
15°	317.1	318.5	320.0	320.0	320.0	321.4	321.4	321.4	321.4	321.4
17.5°	318.5	320.0	321.4	321.4	322.8	322.8	324.2	324.2	324.2	324.2
20°	318.5	320.0	321.4	322.8	324.2	324.2	325.6	327.0	327.0	325.6
22.5°	317.1	320.0	321.4	322.8	324.2	325.6	327.0	328.5	328.5	328.5
25°	315.7	318.5	321.4	324.2	324.2	325.6	328.5	328.5	328.5	328.5
27.5°	314.3	317.1	320.0	322.8	324.2	325.6	327.0	328.5	328.5	328.5
30°	311.5	315.7	318.5	321.4	322.8	324.2	325.6	327.0	327.0	327.0
32.5°	307.2	311.5	314.3	318.5	320.0	321.4	322.8	324.2	324.2	324.2
35°	303.0	307.2	310.1	314.3	315.7	317.1	320.0	320.0	321.4	321.4
37.5°	295.9	301.6	304.4	308.6	310.1	311.5	314.3	315.7	315.7	315.7
40°	288.8	294.5	297.3	301.6	303.0	304.4	307.2	308.6	310.1	310.1
42.5°	280.3	286.0	288.8	293.1	294.5	295.9	298.7	300.1	301.6	301.6
45°	271.8	276.1	278.9	283.2	286.0	286.0	288.8	290.2	291.6	291.6
47.5°	260.5	264.7	267.6	271.8	274.7	276.1	277.5	278.9	280.3	280.3
50°	247.8	252.0	256.3	259.1	261.9	261.9	264.7	266.2	267.6	267.6
52.5°	235.0	237.8	242.1	246.3	247.8	249.2	250.6	252.0	253.4	253.4
55°	220.9	223.7	227.9	230.8	232.2	233.6	235.0	236.4	237.8	237.8
57.5°	205.3	208.1	212.4	215.2	216.6	218.0	219.4	220.9	222.3	222.3
60°	188.3	191.1	195.4	198.2	199.6	199.6	202.5	203.9	203.9	203.9
62.5°	171.3	174.1	177.0	179.8	181.2	182.6	184.0	185.5	185.5	185.5
65°	154.3	157.2	160.0	161.4	162.8	162.8	164.2	165.6	167.1	167.1
67.5°	135.9	138.7	141.6	143.0	144.4	144.4	145.8	147.2	147.2	147.2
70°	117.5	118.9	121.8	123.2	124.6	124.6	127.4	127.4	127.4	127.4
72.5°	99.1	100.5	103.4	104.8	106.2	106.2	107.6	109.0	109.0	109.0
75°	82.1	83.5	84.9	87.8	87.8	87.8	89.2	90.6	90.6	90.6
77.5°	65.1	66.5	68.0	69.4	70.8	70.8	72.2	73.6	73.6	73.6
80°	49.6	51.0	52.4	53.8	53.8	55.2	55.2	56.6	56.6	56.6
82.5°	35.4	36.8	38.2	39.6	41.1	41.1	42.5	43.9	43.9	42.5
85°	24.1	26.9	28.3	29.7	29.7	29.7	31.1	32.6	32.6	31.1
87.5°	17.0	17.0	18.4	19.8	19.8	21.2	21.2	22.7	22.7	22.7
90°	9.9	9.9	11.3	11.3	12.7	12.7	12.7	14.2	14.2	14.2
92.5°	24.1	24.1	25.5	25.5	25.5	25.5	26.9	26.9	26.9	26.9
95°	257.7	116.1	97.7	59.5	56.6	49.6	48.1	49.6	49.6	48.1
97.5°	865.0	925.9	964.1	982.5	959.9	935.8	908.9	904.7	867.9	785.8
100°	933.0	981.1	1027.8	1060.4	1073.2	1084.5	1110.0	1125.5	1132.6	1139.7
102.5°	967.0	1017.9	1059.0	1100.1	1117.0	1132.6	1155.3	1173.7	1180.8	1186.4
105°	996.7	1049.1	1094.4	1131.2	1146.8	1160.9	1183.6	1200.6	1213.3	1214.7
107.5°	1003.8	1059.0	1110.0	1155.3	1173.7	1189.2	1216.1	1228.9	1240.2	1240.2
110°	1016.5	1068.9	1115.6	1156.7	1175.1	1193.5	1221.8	1241.6	1253.0	1255.8



TEST NUMBER: P395758

CATALOG NUMBER: I3-UL-60L83050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1026.4	1080.2	1124.1	1165.2	1180.8	1197.7	1224.6	1243.0	1253.0	1257.2
115°	1034.9	1087.3	1131.2	1169.4	1186.4	1203.4	1230.3	1245.9	1257.2	1261.4
117.5°	1040.6	1091.6	1135.4	1170.8	1189.2	1203.4	1228.9	1245.9	1257.2	1258.6
120°	1042.0	1093.0	1135.4	1170.8	1186.4	1202.0	1227.5	1244.5	1255.8	1255.8
122.5°	1042.0	1091.6	1134.0	1168.0	1182.2	1196.3	1220.4	1240.2	1250.1	1250.1
125°	1036.3	1085.9	1127.0	1160.9	1175.1	1187.8	1213.3	1231.7	1241.6	1243.0
127.5°	1027.8	1076.0	1117.0	1151.0	1165.2	1176.5	1203.4	1220.4	1230.3	1231.7
130°	1016.5	1064.7	1104.3	1136.9	1151.0	1163.8	1186.4	1204.8	1216.1	1219.0
132.5°	1003.8	1049.1	1088.7	1119.9	1134.0	1145.4	1168.0	1186.4	1196.3	1200.6
135°	988.2	1030.7	1068.9	1100.1	1114.2	1125.5	1146.8	1165.2	1175.1	1179.3
137.5°	968.4	1009.4	1046.3	1077.4	1090.1	1101.5	1122.7	1139.7	1148.2	1153.9
140°	945.7	984.0	1022.2	1050.5	1063.2	1074.6	1093.0	1111.4	1119.9	1124.1
142.5°	921.7	959.9	993.9	1022.2	1033.5	1044.8	1063.2	1080.2	1088.7	1090.1
145°	896.2	933.0	964.1	991.0	1000.9	1012.3	1029.3	1046.3	1054.7	1056.2
147.5°	867.9	901.8	931.6	957.1	968.4	976.9	992.5	1008.0	1016.5	1017.9
150°	835.3	866.4	893.3	918.8	928.7	937.2	954.2	968.4	976.9	978.3
152.5°	804.2	833.9	856.5	879.2	889.1	897.6	911.8	925.9	934.4	935.8
155°	771.6	798.5	821.1	839.6	848.0	856.5	867.9	880.6	887.7	889.1
157.5°	737.6	763.1	782.9	799.9	808.4	815.5	825.4	836.7	841.0	843.8
160°	700.8	722.0	739.0	756.0	763.1	770.2	780.1	788.6	794.2	795.7
162.5°	661.2	679.6	693.7	709.3	713.5	719.2	729.1	737.6	741.9	743.3
165°	620.1	637.1	649.8	662.6	665.4	669.7	676.7	685.2	688.1	690.9
167.5°	579.0	593.2	601.7	613.0	617.3	620.1	627.2	632.8	635.7	637.1
170°	539.4	549.3	556.4	564.9	566.3	570.6	574.8	580.5	581.9	581.9
172.5°	508.3	512.5	516.8	519.6	521.0	522.4	525.2	526.7	526.7	526.7
175°	488.4	491.3	491.3	492.7	492.7	492.7	492.7	492.7	492.7	492.7
177.5°	477.1	477.1	477.1	475.7	475.7	475.7	475.7	474.3	474.3	474.3
180°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3

(END OF REPORT)