

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: P393833

Luminaire Tested: **I3-UL-60L835-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P393833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-60L835-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
6000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

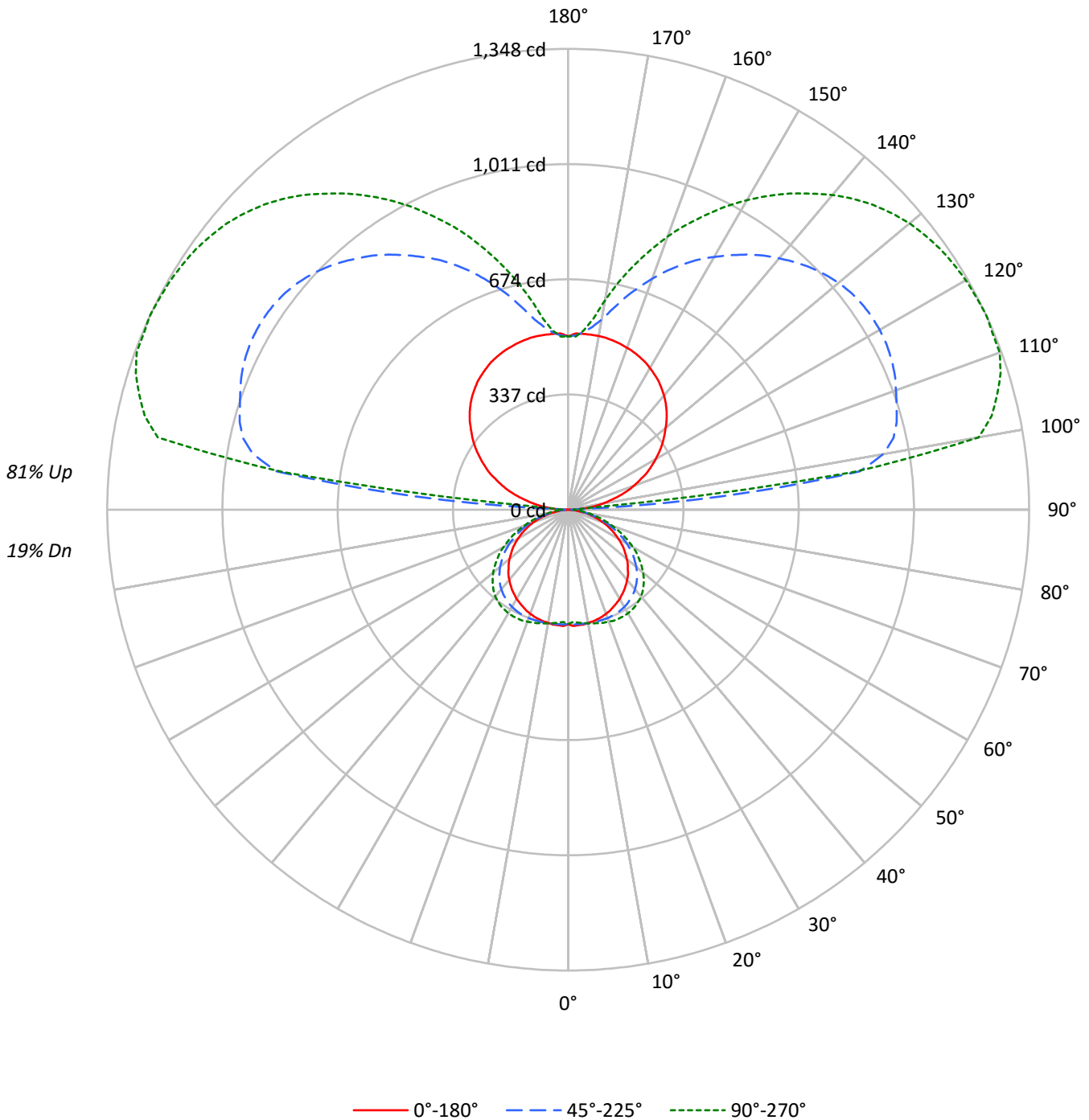
Lumens per Lamp: N/A
Luminaire Lumens: 6141.3 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
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: P393833
CATALOG NUMBER: I3-UL-60L835-1D-UNV-STD-W-4

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	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°	1839	1839	1839
5°	1863	1812	1777
10°	1861	1799	1779
15°	1865	1793	1795
20°	1866	1800	1816
25°	1863	1805	1843
30°	1866	1807	1861
35°	1864	1798	1869
40°	1856	1785	1859
45°	1839	1747	1818
50°	1823	1690	1751
55°	1791	1609	1651
60°	1735	1493	1519
65°	1659	1329	1355
70°	1568	1153	1142
75°	1360	904	917
80°	1081	650	663
85°	641	378	437



TEST NUMBER: P393833

CATALOG NUMBER: I3-UL-60L835-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	0.5
10°-20°	95.4	1.6
20°-30°	153.5	2.5
30°-40°	197.6	3.2
40°-50°	217.0	3.5
50°-60°	204.0	3.3
60°-70°	158.5	2.6
70°-80°	90.9	1.5
80°-90°	29.1	0.5
90°-100°	392.6	6.4
100°-110°	932.9	15.2
110°-120°	937.2	15.3
120°-130°	859.4	14.0
130°-140°	718.6	11.7
140°-150°	539.4	8.8
150°-160°	351.1	5.7
160°-170°	180.8	2.9
170°-180°	51.2	0.8
0°-30°	281.0	4.6
0°-40°	478.6	7.8
0°-60°	899.5	14.6
0°-90°	1178.0	19.2
90°-120°	2262.7	36.8
90°-150°	4380.2	71.3
90°-180°	4963.0	80.8
0°-180°	6141.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	334	334	334	334	334	
5°	339	336	336	334	332	32
15°	332	330	338	342	344	94
25°	313	316	334	347	351	145
35°	286	294	318	338	344	179
45°	247	259	284	306	312	191
55°	198	209	232	248	254	177
65°	139	147	160	174	179	138
75°	74	77	85	94	97	79
85°	15	18	24	32	33	18
90°	2	4	9	14	15	5
95°	53	439	451	60	52	53
105°	153	589	994	1226	1299	162
115°	253	663	1043	1268	1348	248
125°	336	692	1049	1256	1329	300
135°	407	689	1002	1191	1261	314
145°	460	660	911	1070	1129	288
155°	493	605	792	907	950	228
165°	512	546	642	711	739	145
175°	516	515	521	527	527	49
180°	507	507	507	507	507	



TEST NUMBER: P393833

CATALOG NUMBER: I3-UL-60L835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	334.5	334.5	334.5	334.5	334.5	334.5	334.5	334.5	334.5	334.5	334.5
2.5°	340.5	339.0	337.5	337.5	336.0	336.0	336.0	334.5	334.5	334.5	336.0
5°	339.0	339.0	337.5	336.0	336.0	336.0	334.5	334.5	334.5	334.5	336.0
7.5°	339.0	337.5	336.0	336.0	334.5	334.5	334.5	334.5	334.5	334.5	336.0
10°	336.0	336.0	334.5	334.5	333.0	334.5	334.5	334.5	334.5	334.5	337.5
12.5°	334.5	334.5	333.0	331.5	331.5	331.5	333.0	333.0	333.0	334.5	337.5
15°	331.5	331.5	329.9	329.9	329.9	329.9	331.5	331.5	333.0	334.5	337.5
17.5°	328.4	328.4	326.9	326.9	326.9	328.4	328.4	329.9	331.5	334.5	337.5
20°	323.9	323.9	323.9	323.9	323.9	325.4	325.4	326.9	329.9	333.0	337.5
22.5°	319.4	319.4	319.4	319.4	319.4	320.9	322.4	325.4	326.9	331.5	336.0
25°	313.3	313.3	313.3	313.3	314.8	316.3	317.8	320.9	323.9	328.4	334.5
27.5°	307.2	308.8	308.8	308.8	310.3	311.8	313.3	316.3	320.9	326.9	331.5
30°	301.2	301.2	301.2	302.7	304.2	305.7	308.8	311.8	316.3	322.4	328.4
32.5°	293.6	293.6	295.1	295.1	298.2	299.7	302.7	307.2	311.8	317.8	323.9
35°	286.1	286.1	286.1	289.1	290.6	293.6	295.1	299.7	305.7	311.8	317.8
37.5°	277.0	278.5	278.5	280.0	283.0	286.1	287.6	293.6	299.7	305.7	311.8
40°	267.9	269.4	269.4	270.9	275.5	277.0	280.0	286.1	290.6	298.2	304.2
42.5°	258.8	258.8	260.3	261.8	266.4	267.9	270.9	277.0	283.0	289.1	295.1
45°	246.7	248.2	249.7	251.2	255.8	258.8	261.8	266.4	272.4	278.5	284.5
47.5°	236.1	236.1	237.6	240.7	245.2	248.2	249.7	255.8	260.3	266.4	272.4
50°	224.0	225.5	225.5	228.5	233.1	236.1	237.6	243.7	248.2	254.3	260.3
52.5°	210.4	211.9	213.4	216.4	221.0	224.0	225.5	230.1	234.6	240.7	245.2
55°	198.3	199.8	199.8	202.8	207.4	208.9	211.9	214.9	221.0	225.5	231.6
57.5°	184.6	186.2	186.2	189.2	192.2	195.2	196.8	201.3	205.8	210.4	214.9
60°	169.5	171.0	172.5	174.1	177.1	180.1	181.6	184.6	189.2	193.7	198.3
62.5°	154.4	155.9	157.4	158.9	161.9	163.5	165.0	169.5	172.5	177.1	180.1
65°	139.2	140.8	142.3	143.8	145.3	146.8	148.3	151.4	154.4	158.9	160.4
67.5°	124.1	125.6	125.6	127.1	128.6	130.2	131.7	134.7	136.2	140.8	142.3
70°	109.0	109.0	109.0	110.5	110.5	112.0	113.5	116.5	118.1	121.1	124.1
72.5°	90.8	92.3	92.3	92.3	93.8	95.4	96.9	98.4	99.9	101.4	104.4
75°	74.2	75.7	74.2	75.7	77.2	77.2	78.7	80.2	81.7	83.2	84.8
77.5°	59.0	57.5	59.0	59.0	60.5	60.5	60.5	62.1	65.1	65.1	68.1
80°	42.4	42.4	42.4	42.4	43.9	43.9	45.4	45.4	48.4	49.9	51.5
82.5°	27.2	27.2	28.8	28.8	28.8	30.3	30.3	31.8	33.3	34.8	36.3
85°	15.1	15.1	15.1	16.6	16.6	18.2	18.2	19.7	21.2	22.7	24.2
87.5°	4.5	6.1	7.6	7.6	9.1	9.1	10.6	10.6	13.6	15.1	16.6
90°	1.5	1.5	3.0	3.0	3.0	4.5	4.5	6.1	6.1	7.6	9.1
92.5°	25.7	60.5	125.6	187.7	161.9	151.4	90.8	27.2	24.2	25.7	25.7
95°	53.0	99.9	183.1	296.7	384.4	438.9	475.2	544.9	616.0	603.9	451.0
97.5°	77.2	128.6	221.0	325.4	446.5	508.5	555.5	638.7	729.5	805.2	859.7
100°	101.4	154.4	252.8	361.7	473.7	529.7	584.2	697.7	787.0	862.7	935.4
102.5°	127.1	180.1	281.5	395.0	505.5	560.0	613.0	712.9	812.8	903.6	974.7
105°	152.9	207.4	307.2	423.8	534.3	588.8	640.2	735.6	827.9	912.7	994.4
107.5°	180.1	231.6	329.9	446.5	557.0	611.5	662.9	758.3	847.6	932.3	1006.5
110°	204.3	254.3	352.7	467.7	578.2	632.7	684.1	779.5	867.2	947.5	1020.1



TEST NUMBER: P393833

CATALOG NUMBER: I3-UL-60L835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	227.0	275.5	373.8	485.8	594.8	649.3	699.2	794.6	882.4	961.1	1033.7
115°	252.8	295.1	395.0	502.5	609.9	662.9	712.9	806.7	894.5	971.7	1042.8
117.5°	273.9	314.8	413.2	516.1	622.1	673.5	722.0	815.8	902.1	979.2	1048.9
120°	295.1	333.0	429.8	528.2	631.1	681.1	729.5	821.8	908.1	983.8	1051.9
122.5°	316.3	351.1	443.5	540.3	638.7	688.7	735.6	826.4	911.1	985.3	1051.9
125°	336.0	366.3	455.6	549.4	643.2	691.7	737.1	826.4	909.6	982.3	1048.9
127.5°	354.2	382.9	464.7	558.5	646.3	693.2	737.1	823.4	906.6	977.7	1042.8
130°	372.3	398.1	473.7	563.0	649.3	691.7	734.1	817.3	899.0	970.2	1032.2
132.5°	390.5	414.7	481.3	567.6	650.8	691.7	731.0	811.2	890.0	959.6	1018.6
135°	407.1	426.8	488.9	570.6	649.3	688.7	725.0	800.7	876.3	944.4	1002.0
137.5°	422.3	438.9	494.9	572.1	647.8	684.1	720.4	788.5	859.7	926.3	982.3
140°	435.9	451.0	497.9	572.1	641.7	678.1	711.4	776.4	841.5	905.1	959.6
142.5°	448.0	461.6	502.5	569.1	635.7	670.5	702.3	764.3	823.4	883.9	936.9
145°	460.1	470.7	505.5	567.6	628.1	659.9	690.2	749.2	806.7	861.2	911.1
147.5°	469.2	479.8	508.5	561.5	619.0	647.8	676.5	732.5	785.5	837.0	882.4
150°	478.3	487.4	510.1	555.5	608.4	634.2	659.9	712.9	764.3	811.2	853.6
152.5°	487.4	493.4	514.6	549.4	596.3	620.5	646.3	693.2	740.1	784.0	824.9
155°	493.4	497.9	516.1	543.4	584.2	605.4	626.6	670.5	712.9	753.7	791.6
157.5°	499.5	504.0	517.6	538.8	570.6	590.3	608.4	646.3	685.6	722.0	756.8
160°	504.0	507.0	517.6	535.8	558.5	572.1	588.8	623.6	656.9	688.7	718.9
162.5°	508.5	510.1	517.6	531.2	547.9	557.0	569.1	596.3	626.6	653.8	681.1
165°	511.6	513.1	517.6	528.2	538.8	546.4	552.4	572.1	594.8	619.0	641.7
167.5°	514.6	514.6	517.6	525.2	531.2	535.8	540.3	550.9	566.1	584.2	600.9
170°	516.1	516.1	517.6	522.2	526.7	528.2	531.2	537.3	544.9	553.9	564.5
172.5°	516.1	516.1	516.1	519.1	520.7	520.7	520.7	523.7	528.2	534.3	538.8
175°	516.1	514.6	514.6	516.1	514.6	514.6	514.6	514.6	516.1	519.1	520.7
177.5°	516.1	514.6	513.1	513.1	511.6	511.6	510.1	510.1	510.1	510.1	510.1
180°	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0



TEST NUMBER: P393833

CATALOG NUMBER: I3-UL-60L835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	334.5	334.5	334.5	334.5	334.5	334.5	334.5	334.5	334.5	334.5
2.5°	336.0	336.0	334.5	333.0	333.0	333.0	331.5	329.9	328.4	328.4
5°	336.0	336.0	334.5	334.5	334.5	334.5	333.0	333.0	331.5	331.5
7.5°	337.5	336.0	336.0	336.0	336.0	336.0	336.0	336.0	334.5	334.5
10°	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5	337.5
12.5°	339.0	339.0	339.0	339.0	340.5	340.5	340.5	340.5	340.5	340.5
15°	339.0	340.5	342.1	342.1	342.1	343.6	343.6	343.6	343.6	343.6
17.5°	340.5	342.1	343.6	343.6	345.1	345.1	346.6	346.6	346.6	346.6
20°	340.5	342.1	343.6	345.1	346.6	346.6	348.1	349.6	349.6	348.1
22.5°	339.0	342.1	343.6	345.1	346.6	348.1	349.6	351.1	351.1	351.1
25°	337.5	340.5	343.6	346.6	346.6	348.1	351.1	351.1	351.1	351.1
27.5°	336.0	339.0	342.1	345.1	346.6	348.1	349.6	351.1	351.1	351.1
30°	333.0	337.5	340.5	343.6	345.1	346.6	348.1	349.6	349.6	349.6
32.5°	328.4	333.0	336.0	340.5	342.1	343.6	345.1	346.6	346.6	346.6
35°	323.9	328.4	331.5	336.0	337.5	339.0	342.1	342.1	343.6	343.6
37.5°	316.3	322.4	325.4	329.9	331.5	333.0	336.0	337.5	337.5	337.5
40°	308.8	314.8	317.8	322.4	323.9	325.4	328.4	329.9	331.5	331.5
42.5°	299.7	305.7	308.8	313.3	314.8	316.3	319.4	320.9	322.4	322.4
45°	290.6	295.1	298.2	302.7	305.7	305.7	308.8	310.3	311.8	311.8
47.5°	278.5	283.0	286.1	290.6	293.6	295.1	296.7	298.2	299.7	299.7
50°	264.9	269.4	273.9	277.0	280.0	280.0	283.0	284.5	286.1	286.1
52.5°	251.2	254.3	258.8	263.4	264.9	266.4	267.9	269.4	270.9	270.9
55°	236.1	239.1	243.7	246.7	248.2	249.7	251.2	252.8	254.3	254.3
57.5°	219.5	222.5	227.0	230.1	231.6	233.1	234.6	236.1	237.6	237.6
60°	201.3	204.3	208.9	211.9	213.4	213.4	216.4	217.9	217.9	217.9
62.5°	183.1	186.2	189.2	192.2	193.7	195.2	196.8	198.3	198.3	198.3
65°	165.0	168.0	171.0	172.5	174.1	174.1	175.6	177.1	178.6	178.6
67.5°	145.3	148.3	151.4	152.9	154.4	154.4	155.9	157.4	157.4	157.4
70°	125.6	127.1	130.2	131.7	133.2	133.2	136.2	136.2	136.2	136.2
72.5°	105.9	107.5	110.5	112.0	113.5	113.5	115.0	116.5	116.5	116.5
75°	87.8	89.3	90.8	93.8	93.8	93.8	95.4	96.9	96.9	96.9
77.5°	69.6	71.1	72.6	74.2	75.7	75.7	77.2	78.7	78.7	78.7
80°	53.0	54.5	56.0	57.5	57.5	59.0	59.0	60.5	60.5	60.5
82.5°	37.8	39.4	40.9	42.4	43.9	43.9	45.4	46.9	46.9	45.4
85°	25.7	28.8	30.3	31.8	31.8	31.8	33.3	34.8	34.8	33.3
87.5°	18.2	18.2	19.7	21.2	21.2	22.7	22.7	24.2	24.2	24.2
90°	10.6	10.6	12.1	12.1	13.6	13.6	13.6	15.1	15.1	15.1
92.5°	25.7	25.7	27.2	27.2	27.2	27.2	28.8	28.8	28.8	28.8
95°	275.5	124.1	104.4	63.6	60.5	53.0	51.5	53.0	53.0	51.5
97.5°	924.8	989.8	1030.7	1050.4	1026.2	1000.4	971.7	967.1	927.8	840.0
100°	997.4	1048.9	1098.8	1133.6	1147.2	1159.4	1186.6	1203.3	1210.8	1218.4
102.5°	1033.7	1088.2	1132.1	1176.0	1194.2	1210.8	1235.0	1254.7	1262.3	1268.3
105°	1065.5	1121.5	1170.0	1209.3	1226.0	1241.1	1265.3	1283.5	1297.1	1298.6
107.5°	1073.1	1132.1	1186.6	1235.0	1254.7	1271.4	1300.1	1313.7	1325.8	1325.8
110°	1086.7	1142.7	1192.7	1236.5	1256.2	1275.9	1306.2	1327.4	1339.5	1342.5



TEST NUMBER: P393833

CATALOG NUMBER: I3-UL-60L835-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1097.3	1154.8	1201.7	1245.6	1262.3	1280.4	1309.2	1328.9	1339.5	1344.0
115°	1106.4	1162.4	1209.3	1250.2	1268.3	1286.5	1315.3	1331.9	1344.0	1348.5
117.5°	1112.4	1166.9	1213.8	1251.7	1271.4	1286.5	1313.7	1331.9	1344.0	1345.5
120°	1114.0	1168.4	1213.8	1251.7	1268.3	1285.0	1312.2	1330.4	1342.5	1342.5
122.5°	1114.0	1166.9	1212.3	1248.7	1263.8	1278.9	1304.7	1325.8	1336.4	1336.4
125°	1107.9	1160.9	1204.8	1241.1	1256.2	1269.8	1297.1	1316.8	1327.4	1328.9
127.5°	1098.8	1150.3	1194.2	1230.5	1245.6	1257.7	1286.5	1304.7	1315.3	1316.8
130°	1086.7	1138.2	1180.5	1215.4	1230.5	1244.1	1268.3	1288.0	1300.1	1303.1
132.5°	1073.1	1121.5	1163.9	1197.2	1212.3	1224.4	1248.7	1268.3	1278.9	1283.5
135°	1056.4	1101.8	1142.7	1176.0	1191.1	1203.3	1226.0	1245.6	1256.2	1260.8
137.5°	1035.2	1079.1	1118.5	1151.8	1165.4	1177.5	1200.2	1218.4	1227.5	1233.5
140°	1011.0	1051.9	1092.8	1123.0	1136.7	1148.8	1168.4	1188.1	1197.2	1201.7
142.5°	985.3	1026.2	1062.5	1092.8	1104.9	1117.0	1136.7	1154.8	1163.9	1165.4
145°	958.1	997.4	1030.7	1059.5	1070.1	1082.2	1100.3	1118.5	1127.6	1129.1
147.5°	927.8	964.1	995.9	1023.1	1035.2	1044.3	1061.0	1077.6	1086.7	1088.2
150°	893.0	926.3	955.0	982.3	992.9	1002.0	1020.1	1035.2	1044.3	1045.8
152.5°	859.7	891.5	915.7	939.9	950.5	959.6	974.7	989.8	998.9	1000.4
155°	824.9	853.6	877.8	897.5	906.6	915.7	927.8	941.4	949.0	950.5
157.5°	788.5	815.8	837.0	855.1	864.2	871.8	882.4	894.5	899.0	902.1
160°	749.2	771.9	790.1	808.2	815.8	823.4	834.0	843.0	849.1	850.6
162.5°	706.8	726.5	741.6	758.3	762.8	768.9	779.5	788.5	793.1	794.6
165°	662.9	681.1	694.7	708.3	711.4	715.9	723.5	732.5	735.6	738.6
167.5°	619.0	634.2	643.2	655.4	659.9	662.9	670.5	676.5	679.6	681.1
170°	576.7	587.2	594.8	603.9	605.4	609.9	614.5	620.5	622.1	622.1
172.5°	543.4	547.9	552.4	555.5	557.0	558.5	561.5	563.0	563.0	563.0
175°	522.2	525.2	525.2	526.7	526.7	526.7	526.7	526.7	526.7	526.7
177.5°	510.1	510.1	510.1	508.5	508.5	508.5	508.5	507.0	507.0	507.0
180°	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0

(END OF REPORT)