

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: P393797

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

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P393797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-CL-60L835-1D-UNV-STD-W-4  
Description: CORELITE I3, CLEAR TOP COVER  
6000 LUMENS  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5624.5 lumens  
Efficiency: N/A  
Efficacy: 136.2 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

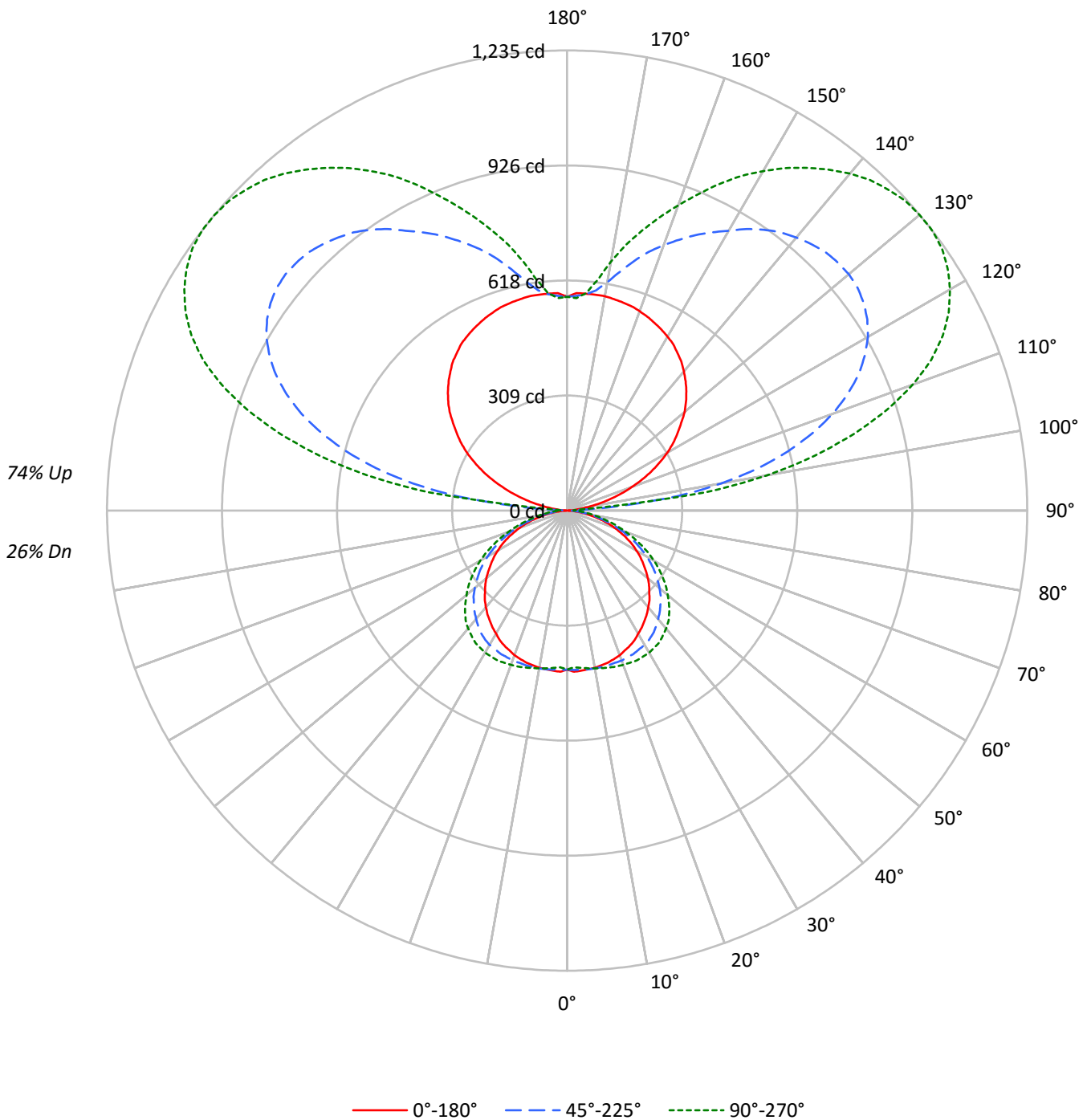
Input Watts (W): 41.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2346	2346	2346
5°	2371	2309	2272
10°	2373	2291	2266
15°	2376	2283	2277
20°	2380	2284	2297
25°	2376	2287	2328
30°	2363	2290	2344
35°	2357	2278	2347
40°	2349	2229	2317
45°	2325	2175	2259
50°	2303	2103	2158
55°	2256	1998	2034
60°	2200	1857	1878
65°	2111	1668	1665
70°	1960	1420	1409
75°	1692	1129	1132
80°	1313	803	829
85°	772	497	556



TEST NUMBER: P393797

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.8	0.7
10°-20°	121.3	2.2
20°-30°	194.5	3.5
30°-40°	248.8	4.4
40°-50°	271.3	4.8
50°-60°	254.2	4.5
60°-70°	197.2	3.5
70°-80°	113.0	2.0
80°-90°	36.1	0.6
90°-100°	145.1	2.6
100°-110°	563.9	10.0
110°-120°	767.7	13.6
120°-130°	796.9	14.2
130°-140°	706.9	12.6
140°-150°	548.5	9.8
150°-160°	366.1	6.5
160°-170°	195.1	3.5
170°-180°	57.1	1.0
0°-30°	356.7	6.3
0°-40°	605.5	10.8
0°-60°	1130.9	20.1
0°-90°	1477.2	26.3
90°-120°	1476.7	26.3
90°-150°	3529.0	62.7
90°-180°	4147.0	73.7
0°-180°	5624.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	427	427	427	427	427	
5°	431	427	428	427	424	41
15°	422	421	430	436	436	119
25°	400	403	424	439	444	184
35°	362	369	403	424	431	226
45°	312	325	354	377	388	241
55°	250	263	288	307	313	223
65°	177	185	201	215	220	175
75°	92	97	106	116	120	99
85°	18	21	32	41	42	22
90°	2	4	11	15	18	2
95°	18	103	141	29	27	24
105°	120	362	613	728	798	128
115°	250	558	863	1014	1112	246
125°	362	658	972	1141	1228	323
135°	452	693	981	1150	1218	349
145°	516	693	920	1068	1123	323
155°	556	655	816	925	967	257
165°	578	602	693	758	778	164
175°	584	581	583	586	586	56
180°	574	574	574	574	574	



TEST NUMBER: P393797

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	426.8	426.8	426.8	426.8	426.8	426.8	426.8	426.8	426.8	426.8	426.8
2.5°	432.9	431.4	431.4	428.3	428.3	426.8	426.8	426.8	426.8	426.8	428.3
5°	431.4	431.4	429.8	428.3	428.3	426.8	426.8	426.8	426.8	426.8	428.3
7.5°	429.8	429.8	428.3	426.8	426.8	426.8	426.8	426.8	426.8	426.8	429.8
10°	428.3	428.3	426.8	425.3	425.3	425.3	425.3	426.8	426.8	426.8	429.8
12.5°	425.3	423.8	423.8	422.3	422.3	422.3	423.8	423.8	425.3	426.8	429.8
15°	422.3	422.3	420.8	419.2	420.8	420.8	420.8	422.3	423.8	425.3	429.8
17.5°	417.7	417.7	416.2	416.2	416.2	417.7	417.7	419.2	422.3	425.3	428.3
20°	413.2	411.7	411.7	411.7	413.2	413.2	414.7	417.7	419.2	423.8	428.3
22.5°	405.6	407.1	405.6	405.6	407.1	408.7	410.2	413.2	416.2	420.8	425.3
25°	399.6	399.6	399.6	399.6	402.6	402.6	405.6	408.7	413.2	417.7	423.8
27.5°	392.0	392.0	392.0	393.5	395.0	396.5	398.1	402.6	407.1	413.2	419.2
30°	381.4	381.4	381.4	381.4	385.9	387.5	390.5	396.5	401.1	408.7	416.2
32.5°	372.3	372.3	372.3	373.8	376.9	378.4	381.4	389.0	395.0	402.6	410.2
35°	361.7	361.7	363.2	363.2	367.8	369.3	372.3	378.4	384.4	393.5	402.6
37.5°	351.1	351.1	352.7	354.2	357.2	360.2	363.2	369.3	375.4	382.9	392.0
40°	339.0	339.0	340.5	342.1	346.6	349.6	352.7	358.7	364.8	372.3	379.9
42.5°	326.9	326.9	328.4	329.9	334.5	337.5	340.5	348.1	354.2	361.7	367.8
45°	311.8	313.3	314.8	317.8	322.4	325.4	328.4	334.5	342.1	348.1	354.2
47.5°	298.2	299.7	301.2	304.2	308.8	311.8	314.8	320.9	326.9	333.0	340.5
50°	283.0	284.5	286.1	289.1	293.6	296.7	299.7	305.7	311.8	316.3	323.9
52.5°	266.4	267.9	269.4	272.4	278.5	280.0	283.0	289.1	293.6	299.7	305.7
55°	249.7	251.2	252.8	255.8	260.3	263.4	264.9	270.9	275.5	281.5	287.6
57.5°	233.1	234.6	236.1	239.1	242.2	245.2	246.7	251.2	257.3	261.8	267.9
60°	214.9	216.4	217.9	219.5	224.0	225.5	227.0	231.6	236.1	242.2	246.7
62.5°	196.8	196.8	198.3	199.8	204.3	205.8	207.4	210.4	216.4	219.5	224.0
65°	177.1	177.1	178.6	180.1	183.1	184.6	186.2	189.2	193.7	196.8	201.3
67.5°	155.9	155.9	157.4	158.9	161.9	163.5	163.5	168.0	171.0	174.1	177.1
70°	136.2	136.2	137.7	137.7	139.2	140.8	142.3	145.3	146.8	151.4	152.9
72.5°	115.0	115.0	115.0	115.0	118.1	118.1	119.6	122.6	124.1	127.1	130.2
75°	92.3	92.3	93.8	93.8	95.4	96.9	98.4	99.9	102.9	104.4	105.9
77.5°	72.6	71.1	72.6	74.2	75.7	75.7	77.2	78.7	80.2	83.2	84.8
80°	51.5	51.5	51.5	53.0	54.5	54.5	56.0	57.5	59.0	62.1	63.6
82.5°	33.3	33.3	34.8	34.8	36.3	37.8	37.8	39.4	40.9	43.9	45.4
85°	18.2	18.2	18.2	19.7	21.2	21.2	22.7	24.2	27.2	28.8	31.8
87.5°	6.1	6.1	7.6	9.1	10.6	10.6	12.1	13.6	15.1	18.2	19.7
90°	1.5	1.5	1.5	3.0	3.0	4.5	4.5	6.1	7.6	9.1	10.6
92.5°	6.1	10.6	16.6	24.2	22.7	24.2	16.6	10.6	10.6	10.6	12.1
95°	18.2	27.2	43.9	69.6	90.8	102.9	113.5	124.1	145.3	146.8	140.8
97.5°	36.3	49.9	80.2	113.5	151.4	171.0	186.2	217.9	251.2	272.4	298.2
100°	60.5	80.2	119.6	165.0	208.9	234.6	258.8	304.2	345.1	381.4	420.8
102.5°	89.3	112.0	160.4	216.4	270.9	299.7	325.4	378.4	434.4	482.8	525.2
105°	119.6	145.3	202.8	266.4	328.4	361.7	393.5	451.0	510.1	563.0	613.0
107.5°	152.9	180.1	242.2	313.3	382.9	420.8	455.6	517.6	579.7	637.2	690.2
110°	184.6	214.9	280.0	357.2	435.9	473.7	508.5	576.7	641.7	702.3	758.3



TEST NUMBER: P393797

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	217.9	249.7	314.8	399.6	479.8	519.1	555.5	628.1	696.2	758.3	814.3
115°	249.7	280.0	348.1	435.9	517.6	558.5	597.8	672.0	743.1	805.2	862.7
117.5°	280.0	308.8	378.4	466.2	550.9	591.8	631.1	708.3	779.5	844.5	900.5
120°	310.3	336.0	411.7	491.9	578.2	619.0	659.9	737.1	809.7	874.8	932.3
122.5°	337.5	361.7	435.9	514.6	599.4	641.7	681.1	759.8	834.0	899.0	955.0
125°	361.7	384.4	458.6	532.8	617.5	658.4	699.2	776.4	850.6	914.2	971.7
127.5°	385.9	408.7	475.2	550.9	629.6	672.0	711.4	788.5	861.2	926.3	982.3
130°	411.7	428.3	491.9	567.6	641.7	681.1	721.9	796.1	867.2	930.8	986.8
132.5°	432.9	448.0	508.5	581.2	650.8	688.7	725.0	799.1	870.3	930.8	985.3
135°	452.5	464.7	520.7	593.3	658.4	693.2	728.0	797.6	867.2	927.8	980.8
137.5°	470.7	482.8	531.2	602.4	664.4	694.7	728.0	793.1	859.7	920.2	970.2
140°	487.4	496.4	540.3	606.9	667.5	696.2	725.0	785.5	847.6	906.6	956.5
142.5°	504.0	511.6	547.9	609.9	669.0	696.2	723.5	776.4	834.0	891.5	941.4
145°	516.1	523.7	553.9	611.5	667.5	693.2	717.4	767.4	818.8	871.8	920.2
147.5°	529.7	535.8	560.0	608.4	662.9	687.1	709.8	755.2	802.2	850.6	896.0
150°	538.8	544.9	563.0	605.4	655.4	678.1	700.8	743.1	785.5	827.9	867.2
152.5°	547.9	552.4	567.6	600.9	646.3	667.5	688.7	729.5	768.9	806.7	841.5
155°	555.5	560.0	570.6	597.8	635.7	655.4	675.0	714.4	750.7	784.0	815.8
157.5°	563.0	566.1	573.6	593.3	623.6	641.7	659.9	694.7	728.0	761.3	787.0
160°	569.1	570.6	576.7	591.8	613.0	626.6	643.2	675.0	705.3	734.1	758.3
162.5°	575.1	575.1	579.7	588.8	603.9	613.0	625.1	652.3	679.6	705.3	728.0
165°	578.2	578.2	581.2	587.2	596.3	602.4	609.9	628.1	649.3	672.0	693.2
167.5°	581.2	581.2	582.7	585.7	591.8	594.8	597.8	609.9	623.6	640.2	656.9
170°	584.2	582.7	582.7	585.7	587.2	588.8	590.3	596.3	602.4	613.0	622.1
172.5°	584.2	582.7	582.7	584.2	584.2	584.2	584.2	585.7	587.2	593.3	596.3
175°	584.2	582.7	582.7	582.7	582.7	581.2	581.2	581.2	581.2	581.2	582.7
177.5°	584.2	582.7	581.2	581.2	579.7	579.7	578.2	578.2	576.7	576.7	576.7
180°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6



TEST NUMBER: P393797

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	426.8	426.8	426.8	426.8	426.8	426.8	426.8	426.8	426.8	426.8
2.5°	428.3	428.3	426.8	426.8	425.3	425.3	423.8	422.3	420.8	420.8
5°	429.8	428.3	426.8	426.8	426.8	425.3	425.3	425.3	423.8	423.8
7.5°	429.8	429.8	429.8	428.3	428.3	428.3	428.3	428.3	426.8	426.8
10°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	429.8	429.8	429.8
12.5°	431.4	431.4	431.4	432.9	432.9	432.9	432.9	432.9	432.9	432.9
15°	432.9	432.9	434.4	434.4	435.9	435.9	437.4	437.4	437.4	435.9
17.5°	431.4	432.9	434.4	435.9	437.4	437.4	438.9	438.9	438.9	438.9
20°	431.4	434.4	435.9	437.4	438.9	438.9	440.4	441.9	441.9	440.4
22.5°	429.8	432.9	434.4	437.4	438.9	438.9	441.9	441.9	441.9	441.9
25°	428.3	431.4	434.4	437.4	438.9	438.9	441.9	441.9	443.5	443.5
27.5°	425.3	428.3	432.9	435.9	437.4	438.9	440.4	441.9	441.9	441.9
30°	420.8	425.3	429.8	432.9	434.4	435.9	437.4	438.9	440.4	440.4
32.5°	414.7	419.2	423.8	428.3	429.8	431.4	434.4	435.9	435.9	435.9
35°	408.7	413.2	417.7	422.3	423.8	425.3	428.3	429.8	431.4	431.4
37.5°	399.6	404.1	408.7	413.2	414.7	417.7	420.8	422.3	422.3	422.3
40°	385.9	393.5	399.6	404.1	405.6	408.7	410.2	413.2	413.2	413.2
42.5°	373.8	379.9	384.4	390.5	392.0	396.5	399.6	401.1	402.6	402.6
45°	360.2	366.3	370.8	375.4	376.9	379.9	382.9	384.4	385.9	387.5
47.5°	346.6	351.1	355.7	360.2	361.7	364.8	367.8	369.3	370.8	370.8
50°	329.9	334.5	339.0	343.6	345.1	348.1	349.6	351.1	352.7	352.7
52.5°	311.8	316.3	320.9	325.4	326.9	328.4	331.5	333.0	334.5	334.5
55°	293.6	298.2	301.2	305.7	307.2	308.8	310.3	313.3	314.8	313.3
57.5°	272.4	277.0	280.0	284.5	286.1	287.6	289.1	290.6	292.1	292.1
60°	249.7	254.3	258.8	261.8	263.4	264.9	266.4	267.9	269.4	269.4
62.5°	227.0	231.6	234.6	239.1	240.6	240.6	242.2	243.7	245.2	245.2
65°	204.3	208.9	210.4	214.9	214.9	216.4	217.9	219.5	219.5	219.5
67.5°	180.1	184.6	186.2	189.2	189.2	190.7	192.2	193.7	193.7	193.7
70°	157.4	158.9	161.9	163.5	165.0	165.0	166.5	168.0	169.5	168.0
72.5°	133.2	134.7	137.7	139.2	139.2	140.8	140.8	142.3	143.8	143.8
75°	109.0	112.0	113.5	115.0	116.5	116.5	118.1	119.6	119.6	119.6
77.5°	86.3	89.3	90.8	92.3	93.8	93.8	95.4	95.4	96.9	95.4
80°	66.6	68.1	69.6	71.1	72.6	72.6	74.2	75.7	75.7	75.7
82.5°	48.4	49.9	53.0	54.5	54.5	54.5	57.5	57.5	59.0	57.5
85°	33.3	34.8	37.8	39.4	40.9	40.9	40.9	42.4	43.9	42.4
87.5°	21.2	24.2	25.7	27.2	27.2	27.2	28.8	30.3	30.3	30.3
90°	12.1	12.1	13.6	15.1	15.1	16.6	16.6	18.2	18.2	18.2
92.5°	12.1	13.6	13.6	13.6	15.1	15.1	15.1	16.6	16.6	16.6
95°	102.9	74.2	42.4	33.3	28.8	28.8	27.2	28.8	27.2	27.2
97.5°	311.8	337.5	349.6	366.3	375.4	373.8	367.8	373.8	369.3	373.8
100°	443.5	467.7	485.8	490.4	499.5	504.0	520.7	532.8	538.8	546.4
102.5°	550.9	579.7	600.9	613.0	622.1	628.1	647.8	665.9	675.0	681.1
105°	649.3	679.6	705.3	717.4	728.0	734.1	755.2	776.4	790.1	797.6
107.5°	728.0	762.8	790.1	808.2	818.8	829.4	855.1	876.3	893.0	900.5
110°	799.1	834.0	862.7	883.9	896.0	906.6	935.4	959.6	977.7	986.8





TEST NUMBER: P393797

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	858.2	896.0	924.8	947.5	959.6	974.7	1002.0	1029.2	1047.4	1058.0
115°	906.6	946.0	976.2	1000.4	1014.1	1027.7	1059.5	1086.7	1104.9	1112.4
117.5°	947.5	986.8	1018.6	1042.8	1058.0	1073.1	1104.9	1129.1	1148.8	1154.8
120°	980.8	1020.1	1051.9	1079.1	1094.3	1107.9	1138.2	1163.9	1182.1	1186.6
122.5°	1003.5	1044.3	1077.6	1107.9	1121.5	1135.1	1163.9	1189.6	1206.3	1210.8
125°	1020.1	1062.5	1095.8	1127.6	1141.2	1154.8	1182.1	1207.8	1221.4	1227.5
127.5°	1030.7	1073.1	1109.4	1139.7	1154.8	1166.9	1194.2	1216.9	1230.5	1235.0
130°	1033.7	1077.6	1114.0	1145.7	1159.4	1171.5	1197.2	1219.9	1232.0	1235.0
132.5°	1033.7	1076.1	1114.0	1144.2	1157.8	1170.0	1194.2	1215.4	1227.5	1230.5
135°	1027.7	1068.5	1106.4	1136.7	1150.3	1162.4	1186.6	1204.8	1216.9	1218.4
137.5°	1017.1	1056.4	1092.8	1123.0	1136.7	1148.8	1170.0	1189.6	1200.2	1203.2
140°	1003.5	1039.8	1076.1	1104.9	1118.5	1129.1	1150.3	1166.9	1177.5	1180.5
142.5°	985.3	1021.6	1054.9	1083.7	1094.3	1106.4	1124.5	1141.2	1150.3	1153.3
145°	965.6	1000.4	1030.7	1056.4	1068.5	1079.1	1095.8	1110.9	1120.0	1123.0
147.5°	939.9	974.7	1003.5	1027.7	1038.3	1048.9	1064.0	1077.6	1086.7	1089.7
150°	908.1	939.9	970.2	992.9	1003.5	1014.1	1029.2	1041.3	1050.4	1051.9
152.5°	876.3	906.6	932.3	955.0	965.6	976.2	989.8	1002.0	1012.5	1012.5
155°	846.1	871.8	896.0	915.7	924.8	933.8	947.5	958.1	967.1	967.1
157.5°	814.3	838.5	858.2	876.3	883.9	891.5	903.6	912.7	920.2	918.7
160°	784.0	802.2	820.3	835.5	843.0	849.1	858.2	865.7	873.3	871.8
162.5°	750.7	767.4	782.5	793.1	799.1	803.7	812.8	820.3	824.9	824.9
165°	712.9	728.0	741.6	752.2	758.3	761.3	768.9	773.4	778.0	778.0
167.5°	673.5	685.6	697.7	706.8	712.9	715.9	723.5	726.5	732.5	731.0
170°	634.2	643.2	652.3	659.9	662.9	665.9	672.0	675.0	678.1	678.1
172.5°	602.4	605.4	609.9	616.0	616.0	617.5	620.5	622.1	623.6	623.6
175°	584.2	585.7	585.7	585.7	585.7	585.7	587.2	585.7	587.2	585.7
177.5°	576.7	576.7	575.1	575.1	573.6	575.1	573.6	572.1	572.1	570.6
180°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6

(END OF REPORT)