

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: P395031

Luminaire Tested: **I3-CL-60L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395031  
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-60L935-1D-UNV-STD-W-4  
Description: CORELITE I3, CLEAR TOP COVER  
6000 LUMENS  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

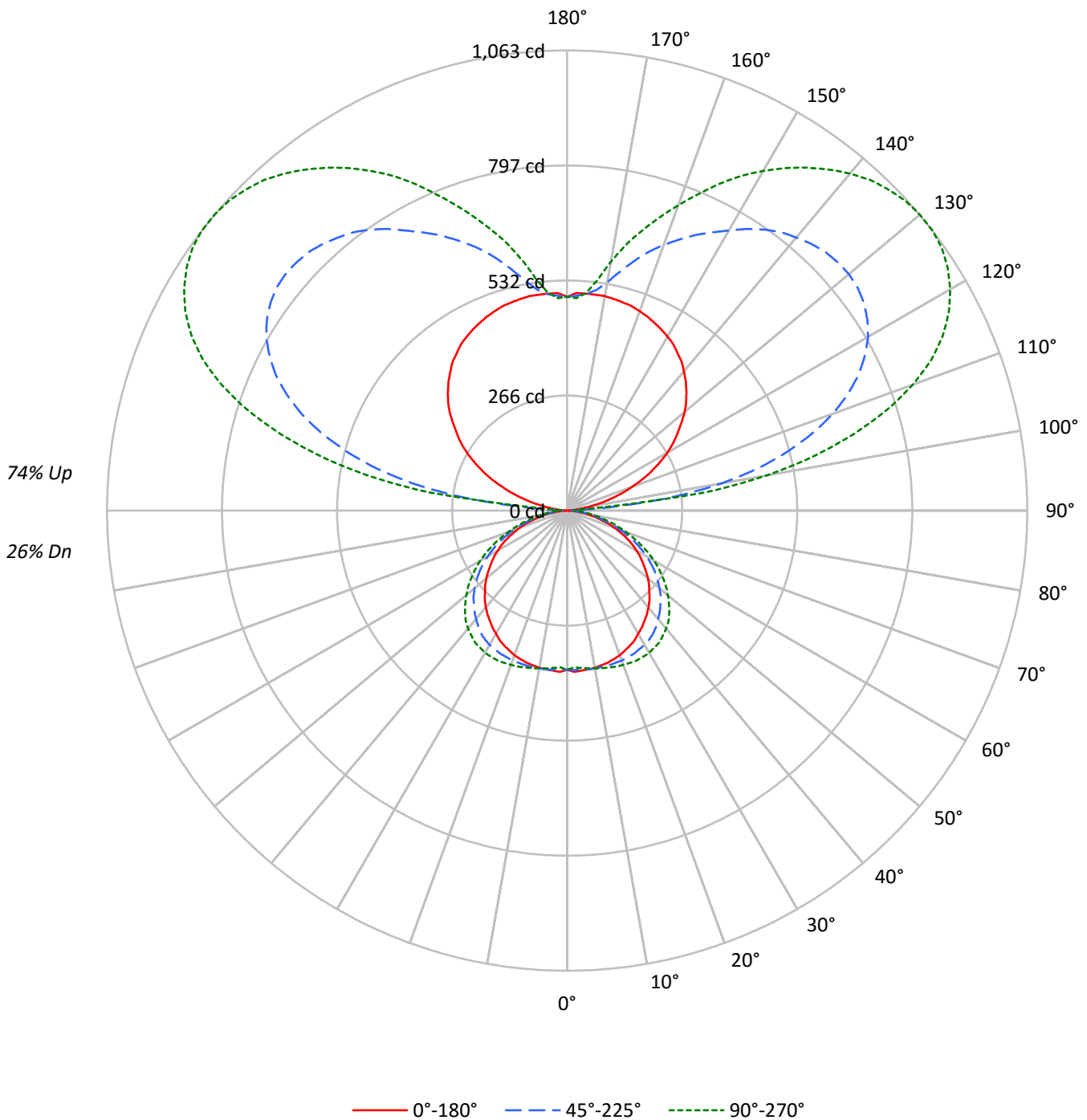
Lumens per Lamp: N/A  
Luminaire Lumens: 4842.7 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

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°	2020	2020	2020
5°	2042	1989	1956
10°	2043	1973	1951
15°	2046	1966	1960
20°	2049	1967	1978
25°	2046	1969	2005
30°	2034	1972	2018
35°	2029	1961	2020
40°	2022	1919	1995
45°	2002	1873	1945
50°	1983	1811	1859
55°	1942	1720	1752
60°	1894	1599	1617
65°	1818	1436	1433
70°	1688	1222	1213
75°	1457	972	975
80°	1130	692	714
85°	666	428	479



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.2	0.7
10°-20°	104.5	2.2
20°-30°	167.5	3.5
30°-40°	214.2	4.4
40°-50°	233.6	4.8
50°-60°	218.8	4.5
60°-70°	169.8	3.5
70°-80°	97.3	2.0
80°-90°	31.1	0.6
90°-100°	124.9	2.6
100°-110°	485.5	10.0
110°-120°	661.0	13.6
120°-130°	686.2	14.2
130°-140°	608.7	12.6
140°-150°	472.2	9.8
150°-160°	315.2	6.5
160°-170°	168.0	3.5
170°-180°	49.2	1.0
0°-30°	307.1	6.3
0°-40°	521.3	10.8
0°-60°	973.7	20.1
0°-90°	1271.9	26.3
90°-120°	1271.4	26.3
90°-150°	3038.5	62.7
90°-180°	3571.0	73.7
0°-180°	4842.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	368	368	368	368	368	
5°	371	368	369	368	365	35
15°	364	362	370	375	375	103
25°	344	347	365	378	382	159
35°	311	318	347	365	371	195
45°	268	280	305	324	334	208
55°	215	227	248	264	270	192
65°	152	159	173	185	189	150
75°	80	83	91	100	103	85
85°	16	18	27	35	36	19
90°	1	4	9	13	16	2
95°	16	89	121	25	23	21
105°	103	311	528	627	687	110
115°	215	481	743	873	958	212
125°	311	567	837	983	1057	279
135°	390	597	844	990	1049	300
145°	444	597	792	920	967	278
155°	478	564	702	796	833	221
165°	498	519	597	653	670	141
175°	503	500	502	504	504	48
180°	494	494	494	494	494	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5
2.5°	372.7	371.4	371.4	368.8	368.8	367.5	367.5	367.5	367.5	367.5	368.8
5°	371.4	371.4	370.1	368.8	368.8	367.5	367.5	367.5	367.5	367.5	368.8
7.5°	370.1	370.1	368.8	367.5	367.5	367.5	367.5	367.5	367.5	367.5	370.1
10°	368.8	368.8	367.5	366.2	366.2	366.2	366.2	367.5	367.5	367.5	370.1
12.5°	366.2	364.9	364.9	363.6	363.6	363.6	364.9	364.9	366.2	367.5	370.1
15°	363.6	363.6	362.3	360.9	362.3	362.3	362.3	363.6	364.9	366.2	370.1
17.5°	359.6	359.6	358.3	358.3	358.3	359.6	359.6	360.9	363.6	366.2	368.8
20°	355.8	354.5	354.5	354.5	355.8	355.8	357.1	359.6	360.9	364.9	368.8
22.5°	349.2	350.5	349.2	349.2	350.5	351.9	353.2	355.8	358.3	362.3	366.2
25°	344.1	344.1	344.1	344.1	346.6	346.6	349.2	351.9	355.8	359.6	364.9
27.5°	337.5	337.5	337.5	338.8	340.1	341.4	342.8	346.6	350.5	355.8	360.9
30°	328.4	328.4	328.4	328.4	332.3	333.6	336.2	341.4	345.3	351.9	358.3
32.5°	320.6	320.6	320.6	321.8	324.5	325.8	328.4	334.9	340.1	346.6	353.2
35°	311.4	311.4	312.7	312.7	316.7	318.0	320.6	325.8	331.0	338.8	346.6
37.5°	302.3	302.3	303.7	305.0	307.5	310.1	312.7	318.0	323.2	329.7	337.5
40°	291.9	291.9	293.2	294.5	298.4	301.0	303.7	308.8	314.1	320.6	327.1
42.5°	281.5	281.5	282.8	284.0	288.0	290.6	293.2	299.7	305.0	311.4	316.7
45°	268.5	269.8	271.0	273.6	277.6	280.2	282.8	288.0	294.5	299.7	305.0
47.5°	256.8	258.0	259.3	261.9	265.9	268.5	271.0	276.3	281.5	286.7	293.2
50°	243.7	245.0	246.3	248.9	252.8	255.5	258.0	263.2	268.5	272.3	278.9
52.5°	229.4	230.7	232.0	234.5	239.8	241.1	243.7	248.9	252.8	258.0	263.2
55°	215.0	216.3	217.7	220.2	224.1	226.8	228.1	233.2	237.2	242.4	247.6
57.5°	200.7	202.0	203.3	205.9	208.5	211.1	212.4	216.3	221.5	225.4	230.7
60°	185.0	186.3	187.6	189.0	192.9	194.2	195.4	199.4	203.3	208.5	212.4
62.5°	169.4	169.4	170.7	172.0	175.9	177.2	178.6	181.2	186.3	189.0	192.9
65°	152.5	152.5	153.8	155.1	157.6	158.9	160.3	162.9	166.8	169.4	173.3
67.5°	134.2	134.2	135.5	136.8	139.4	140.8	140.8	144.6	147.2	149.9	152.5
70°	117.3	117.3	118.6	118.6	119.9	121.2	122.5	125.1	126.4	130.4	131.6
72.5°	99.0	99.0	99.0	99.0	101.7	101.7	103.0	105.6	106.9	109.4	112.1
75°	79.5	79.5	80.8	80.8	82.1	83.4	84.7	86.0	88.6	89.9	91.2
77.5°	62.5	61.2	62.5	63.9	65.2	65.2	66.5	67.8	69.1	71.6	73.0
80°	44.3	44.3	44.3	45.6	46.9	46.9	48.2	49.5	50.8	53.5	54.8
82.5°	28.7	28.7	30.0	30.0	31.3	32.5	32.5	33.9	35.2	37.8	39.1
85°	15.7	15.7	15.7	17.0	18.3	18.3	19.5	20.8	23.4	24.8	27.4
87.5°	5.3	5.3	6.5	7.8	9.1	9.1	10.4	11.7	13.0	15.7	17.0
90°	1.3	1.3	1.3	2.6	2.6	3.9	3.9	5.3	6.5	7.8	9.1
92.5°	5.3	9.1	14.3	20.8	19.5	20.8	14.3	9.1	9.1	9.1	10.4
95°	15.7	23.4	37.8	59.9	78.2	88.6	97.7	106.9	125.1	126.4	121.2
97.5°	31.3	43.0	69.1	97.7	130.4	147.2	160.3	187.6	216.3	234.5	256.8
100°	52.1	69.1	103.0	142.1	179.9	202.0	222.8	261.9	297.1	328.4	362.3
102.5°	76.9	96.4	138.1	186.3	233.2	258.0	280.2	325.8	374.0	415.7	452.2
105°	103.0	125.1	174.6	229.4	282.8	311.4	338.8	388.3	439.2	484.7	527.8
107.5°	131.6	155.1	208.5	269.8	329.7	362.3	392.3	445.7	499.1	548.6	594.3
110°	158.9	185.0	241.1	307.5	375.3	407.9	437.8	496.5	552.5	604.7	652.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	187.6	215.0	271.0	344.1	413.1	446.9	478.3	540.8	599.4	652.9	701.1
115°	215.0	241.1	299.7	375.3	445.7	480.9	514.7	578.6	639.8	693.3	742.8
117.5°	241.1	265.9	325.8	401.4	474.3	509.5	543.4	609.8	671.1	727.1	775.3
120°	267.2	289.3	354.5	423.5	497.8	533.0	568.2	634.6	697.2	753.2	802.7
122.5°	290.6	311.4	375.3	443.1	516.1	552.5	586.4	654.2	718.1	774.0	822.3
125°	311.4	331.0	394.9	458.7	531.7	566.9	602.0	668.5	732.4	787.1	836.6
127.5°	332.3	351.9	409.1	474.3	542.1	578.6	612.5	678.9	741.5	797.5	845.8
130°	354.5	368.8	423.5	488.7	552.5	586.4	621.6	685.4	746.7	801.4	849.6
132.5°	372.7	385.7	437.8	500.4	560.3	593.0	624.2	688.0	749.3	801.4	848.3
135°	389.6	400.1	448.3	510.8	566.9	596.8	626.8	686.7	746.7	798.8	844.5
137.5°	405.3	415.7	457.4	518.7	572.0	598.1	626.8	682.9	740.2	792.3	835.3
140°	419.7	427.4	465.2	522.5	574.7	599.4	624.2	676.3	729.8	780.6	823.5
142.5°	433.9	440.5	471.7	525.1	576.0	599.4	622.9	668.5	718.1	767.6	810.5
145°	444.4	450.9	476.9	526.5	574.7	596.8	617.7	660.7	705.0	750.6	792.3
147.5°	456.1	461.3	482.2	523.8	570.8	591.6	611.1	650.2	690.7	732.4	771.5
150°	463.9	469.2	484.7	521.2	564.3	583.8	603.4	639.8	676.3	712.8	746.7
152.5°	471.7	475.6	488.7	517.4	556.5	574.7	593.0	628.1	662.0	694.6	724.5
155°	478.3	482.2	491.3	514.7	547.3	564.3	581.2	615.1	646.4	675.0	702.4
157.5°	484.7	487.4	493.9	510.8	536.9	552.5	568.2	598.1	626.8	655.5	677.6
160°	490.0	491.3	496.5	509.5	527.8	539.5	553.8	581.2	607.3	632.1	652.9
162.5°	495.2	495.2	499.1	507.0	520.0	527.8	538.2	561.6	585.1	607.3	626.8
165°	497.8	497.8	500.4	505.6	513.4	518.7	525.1	540.8	559.0	578.6	596.8
167.5°	500.4	500.4	501.7	504.3	509.5	512.1	514.7	525.1	536.9	551.2	565.6
170°	503.0	501.7	501.7	504.3	505.6	507.0	508.2	513.4	518.7	527.8	535.6
172.5°	503.0	501.7	501.7	503.0	503.0	503.0	503.0	504.3	505.6	510.8	513.4
175°	503.0	501.7	501.7	501.7	501.7	500.4	500.4	500.4	500.4	500.4	501.7
177.5°	503.0	501.7	500.4	500.4	499.1	499.1	497.8	497.8	496.5	496.5	496.5
180°	493.9	493.9	493.9	493.9	493.9	493.9	493.9	493.9	493.9	493.9	493.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5
2.5°	368.8	368.8	367.5	367.5	366.2	366.2	364.9	363.6	362.3	362.3
5°	370.1	368.8	367.5	367.5	367.5	366.2	366.2	366.2	364.9	364.9
7.5°	370.1	370.1	370.1	368.8	368.8	368.8	368.8	368.8	367.5	367.5
10°	371.4	371.4	371.4	371.4	371.4	371.4	371.4	370.1	370.1	370.1
12.5°	371.4	371.4	371.4	372.7	372.7	372.7	372.7	372.7	372.7	372.7
15°	372.7	372.7	374.0	374.0	375.3	375.3	376.6	376.6	376.6	375.3
17.5°	371.4	372.7	374.0	375.3	376.6	376.6	377.9	377.9	377.9	377.9
20°	371.4	374.0	375.3	376.6	377.9	377.9	379.2	380.5	380.5	379.2
22.5°	370.1	372.7	374.0	376.6	377.9	377.9	380.5	380.5	380.5	380.5
25°	368.8	371.4	374.0	376.6	377.9	377.9	380.5	380.5	381.9	381.9
27.5°	366.2	368.8	372.7	375.3	376.6	377.9	379.2	380.5	380.5	380.5
30°	362.3	366.2	370.1	372.7	374.0	375.3	376.6	377.9	379.2	379.2
32.5°	357.1	360.9	364.9	368.8	370.1	371.4	374.0	375.3	375.3	375.3
35°	351.9	355.8	359.6	363.6	364.9	366.2	368.8	370.1	371.4	371.4
37.5°	344.1	347.9	351.9	355.8	357.1	359.6	362.3	363.6	363.6	363.6
40°	332.3	338.8	344.1	347.9	349.2	351.9	353.2	355.8	355.8	355.8
42.5°	321.8	327.1	331.0	336.2	337.5	341.4	344.1	345.3	346.6	346.6
45°	310.1	315.4	319.3	323.2	324.5	327.1	329.7	331.0	332.3	333.6
47.5°	298.4	302.3	306.3	310.1	311.4	314.1	316.7	318.0	319.3	319.3
50°	284.0	288.0	291.9	295.8	297.1	299.7	301.0	302.3	303.7	303.7
52.5°	268.5	272.3	276.3	280.2	281.5	282.8	285.4	286.7	288.0	288.0
55°	252.8	256.8	259.3	263.2	264.5	265.9	267.2	269.8	271.0	269.8
57.5°	234.5	238.5	241.1	245.0	246.3	247.6	248.9	250.2	251.5	251.5
60°	215.0	219.0	222.8	225.4	226.8	228.1	229.4	230.7	232.0	232.0
62.5°	195.4	199.4	202.0	205.9	207.2	207.2	208.5	209.8	211.1	211.1
65°	175.9	179.9	181.2	185.0	185.0	186.3	187.6	189.0	189.0	189.0
67.5°	155.1	158.9	160.3	162.9	162.9	164.2	165.5	166.8	166.8	166.8
70°	135.5	136.8	139.4	140.8	142.1	142.1	143.4	144.6	145.9	144.6
72.5°	114.7	116.0	118.6	119.9	119.9	121.2	121.2	122.5	123.8	123.8
75°	93.8	96.4	97.7	99.0	100.3	100.3	101.7	103.0	103.0	103.0
77.5°	74.3	76.9	78.2	79.5	80.8	80.8	82.1	82.1	83.4	82.1
80°	57.3	58.6	59.9	61.2	62.5	62.5	63.9	65.2	65.2	65.2
82.5°	41.7	43.0	45.6	46.9	46.9	46.9	49.5	49.5	50.8	49.5
85°	28.7	30.0	32.5	33.9	35.2	35.2	35.2	36.5	37.8	36.5
87.5°	18.3	20.8	22.1	23.4	23.4	23.4	24.8	26.1	26.1	26.1
90°	10.4	10.4	11.7	13.0	13.0	14.3	14.3	15.7	15.7	15.7
92.5°	10.4	11.7	11.7	11.7	13.0	13.0	13.0	14.3	14.3	14.3
95°	88.6	63.9	36.5	28.7	24.8	24.8	23.4	24.8	23.4	23.4
97.5°	268.5	290.6	301.0	315.4	323.2	321.8	316.7	321.8	318.0	321.8
100°	381.9	402.7	418.3	422.2	430.1	433.9	448.3	458.7	463.9	470.5
102.5°	474.3	499.1	517.4	527.8	535.6	540.8	557.8	573.3	581.2	586.4
105°	559.0	585.1	607.3	617.7	626.8	632.1	650.2	668.5	680.3	686.7
107.5°	626.8	656.8	680.3	695.9	705.0	714.1	736.2	754.5	768.9	775.3
110°	688.0	718.1	742.8	761.0	771.5	780.6	805.4	826.2	841.8	849.6





TEST NUMBER: P395031

CATALOG NUMBER: I3-CL-60L935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	738.9	771.5	796.3	815.8	826.2	839.2	862.7	886.1	901.8	910.9
115°	780.6	814.5	840.5	861.3	873.1	884.8	912.2	935.6	951.3	957.8
117.5°	815.8	849.6	877.0	897.9	910.9	923.9	951.3	972.2	989.1	994.3
120°	844.5	878.3	905.7	929.1	942.2	953.9	980.0	1002.1	1017.8	1021.7
122.5°	864.0	899.1	927.8	953.9	965.6	977.3	1002.1	1024.2	1038.6	1042.5
125°	878.3	914.8	943.5	970.9	982.6	994.3	1017.8	1039.9	1051.6	1056.9
127.5°	887.4	923.9	955.2	981.3	994.3	1004.7	1028.2	1047.8	1059.5	1063.3
130°	890.0	927.8	959.2	986.4	998.2	1008.7	1030.8	1050.3	1060.8	1063.3
132.5°	890.0	926.5	959.2	985.2	996.9	1007.4	1028.2	1046.5	1056.9	1059.5
135°	884.8	920.0	952.6	978.7	990.4	1000.8	1021.7	1037.3	1047.8	1049.0
137.5°	875.7	909.6	940.9	966.9	978.7	989.1	1007.4	1024.2	1033.4	1036.0
140°	864.0	895.3	926.5	951.3	963.0	972.2	990.4	1004.7	1013.8	1016.4
142.5°	848.3	879.6	908.3	933.1	942.2	952.6	968.2	982.6	990.4	993.0
145°	831.4	861.3	887.4	909.6	920.0	929.1	943.5	956.5	964.3	966.9
147.5°	809.3	839.2	864.0	884.8	894.0	903.1	916.1	927.8	935.6	938.2
150°	781.9	809.3	835.3	854.9	864.0	873.1	886.1	896.6	904.4	905.7
152.5°	754.5	780.6	802.7	822.3	831.4	840.5	852.2	862.7	871.8	871.8
155°	728.5	750.6	771.5	788.4	796.3	804.0	815.8	824.9	832.7	832.7
157.5°	701.1	721.9	738.9	754.5	761.0	767.6	778.0	785.8	792.3	791.0
160°	675.0	690.7	706.3	719.4	725.8	731.1	738.9	745.4	751.9	750.6
162.5°	646.4	660.7	673.7	682.9	688.0	692.0	699.8	706.3	710.2	710.2
165°	613.8	626.8	638.5	647.6	652.9	655.5	662.0	665.9	669.9	669.9
167.5°	579.9	590.3	600.7	608.6	613.8	616.4	622.9	625.5	630.7	629.4
170°	546.0	553.8	561.6	568.2	570.8	573.3	578.6	581.2	583.8	583.8
172.5°	518.7	521.2	525.1	530.4	530.4	531.7	534.3	535.6	536.9	536.9
175°	503.0	504.3	504.3	504.3	504.3	504.3	505.6	504.3	505.6	504.3
177.5°	496.5	496.5	495.2	495.2	493.9	495.2	493.9	492.6	492.6	491.3
180°	493.9	493.9	493.9	493.9	493.9	493.9	493.9	493.9	493.9	493.9

(END OF REPORT)