

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: P395030

Luminaire Tested: **I3-CL-60L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395030
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-60L930-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
6000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

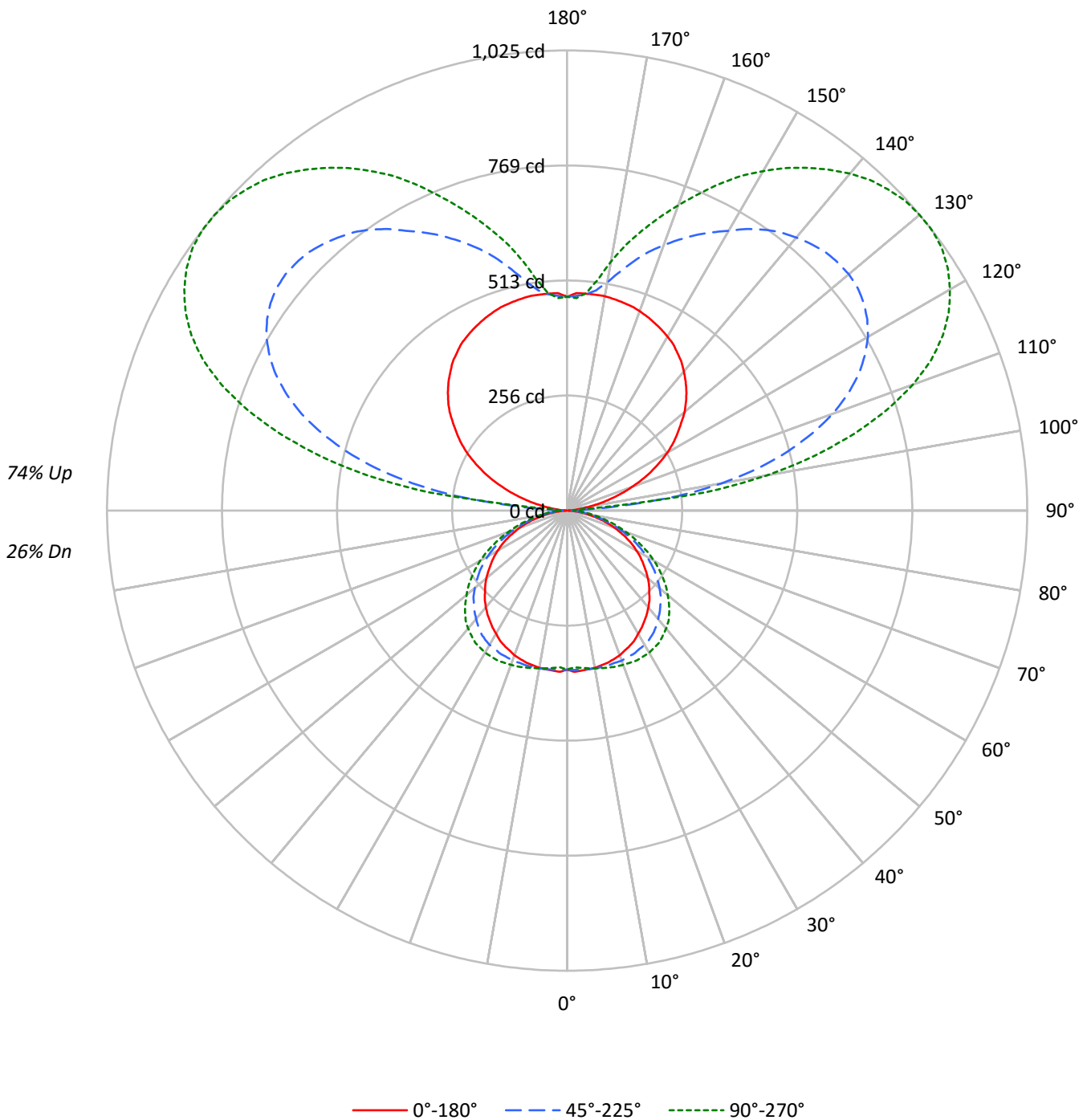
Lumens per Lamp: N/A
Luminaire Lumens: 4668.3 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
Input Voltage (V): 120
Input Current (A_{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	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°	1947	1947	1947
5°	1968	1917	1886
10°	1969	1902	1880
15°	1972	1895	1890
20°	1976	1896	1907
25°	1973	1898	1932
30°	1961	1901	1945
35°	1956	1891	1948
40°	1949	1850	1923
45°	1930	1805	1875
50°	1912	1746	1791
55°	1873	1658	1688
60°	1827	1542	1558
65°	1752	1384	1382
70°	1626	1179	1169
75°	1404	937	940
80°	1089	667	688
85°	641	412	462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	0.7
10°-20°	100.7	2.2
20°-30°	161.4	3.5
30°-40°	206.5	4.4
40°-50°	225.1	4.8
50°-60°	210.9	4.5
60°-70°	163.7	3.5
70°-80°	93.8	2.0
80°-90°	30.0	0.6
90°-100°	120.4	2.6
100°-110°	468.0	10.0
110°-120°	637.2	13.6
120°-130°	661.4	14.2
130°-140°	586.7	12.6
140°-150°	455.2	9.8
150°-160°	303.8	6.5
160°-170°	161.9	3.5
170°-180°	47.4	1.0
0°-30°	296.0	6.3
0°-40°	502.5	10.8
0°-60°	938.6	20.1
0°-90°	1226.1	26.3
90°-120°	1225.7	26.3
90°-150°	2929.1	62.7
90°-180°	3442.0	73.7
0°-180°	4668.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	354	354	354	354	354	
5°	358	354	356	354	352	34
15°	350	349	357	362	362	99
25°	332	334	352	364	368	153
35°	300	306	334	352	358	188
45°	259	270	294	313	322	200
55°	207	219	239	255	260	185
65°	147	153	167	178	182	145
75°	77	80	88	97	99	82
85°	15	18	26	34	35	18
90°	1	4	9	12	15	2
95°	15	85	117	24	23	20
105°	99	300	509	604	662	106
115°	207	464	716	842	923	204
125°	300	546	806	947	1019	268
135°	376	575	814	955	1011	290
145°	428	575	764	887	932	268
155°	461	544	677	768	803	213
165°	480	500	575	629	646	136
175°	485	482	484	486	486	46
180°	476	476	476	476	476	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	354.2	354.2	354.2	354.2	354.2	354.2	354.2	354.2	354.2	354.2	354.2
2.5°	359.3	358.1	358.1	355.5	355.5	354.2	354.2	354.2	354.2	354.2	355.5
5°	358.1	358.1	356.7	355.5	355.5	354.2	354.2	354.2	354.2	354.2	355.5
7.5°	356.7	356.7	355.5	354.2	354.2	354.2	354.2	354.2	354.2	354.2	356.7
10°	355.5	355.5	354.2	353.0	353.0	353.0	353.0	354.2	354.2	354.2	356.7
12.5°	353.0	351.8	351.8	350.5	350.5	350.5	351.8	351.8	353.0	354.2	356.7
15°	350.5	350.5	349.3	347.9	349.3	349.3	349.3	350.5	351.8	353.0	356.7
17.5°	346.7	346.7	345.4	345.4	345.4	346.7	346.7	347.9	350.5	353.0	355.5
20°	343.0	341.7	341.7	341.7	343.0	343.0	344.2	346.7	347.9	351.8	355.5
22.5°	336.6	337.9	336.6	336.6	337.9	339.2	340.5	343.0	345.4	349.3	353.0
25°	331.7	331.7	331.7	331.7	334.2	334.2	336.6	339.2	343.0	346.7	351.8
27.5°	325.4	325.4	325.4	326.6	327.8	329.1	330.4	334.2	337.9	343.0	347.9
30°	316.6	316.6	316.6	316.6	320.3	321.6	324.1	329.1	332.9	339.2	345.4
32.5°	309.0	309.0	309.0	310.3	312.8	314.1	316.6	322.9	327.8	334.2	340.5
35°	300.2	300.2	301.5	301.5	305.3	306.5	309.0	314.1	319.1	326.6	334.2
37.5°	291.4	291.4	292.7	294.0	296.5	299.0	301.5	306.5	311.6	317.8	325.4
40°	281.4	281.4	282.6	283.9	287.7	290.2	292.7	297.7	302.8	309.0	315.3
42.5°	271.3	271.3	272.6	273.8	277.6	280.1	282.6	288.9	294.0	300.2	305.3
45°	258.8	260.0	261.3	263.8	267.6	270.1	272.6	277.6	283.9	288.9	294.0
47.5°	247.5	248.8	250.0	252.5	256.3	258.8	261.3	266.3	271.3	276.4	282.6
50°	234.9	236.1	237.5	240.0	243.7	246.3	248.8	253.7	258.8	262.5	268.8
52.5°	221.1	222.4	223.6	226.1	231.2	232.4	234.9	240.0	243.7	248.8	253.7
55°	207.3	208.5	209.8	212.3	216.0	218.6	219.9	224.8	228.7	233.6	238.7
57.5°	193.5	194.7	196.0	198.5	201.0	203.5	204.8	208.5	213.6	217.3	222.4
60°	178.4	179.6	180.9	182.2	185.9	187.2	188.4	192.2	196.0	201.0	204.8
62.5°	163.3	163.3	164.6	165.8	169.6	170.8	172.1	174.6	179.6	182.2	185.9
65°	147.0	147.0	148.2	149.5	152.0	153.2	154.5	157.0	160.8	163.3	167.1
67.5°	129.4	129.4	130.6	131.9	134.4	135.7	135.7	139.4	141.9	144.5	147.0
70°	113.0	113.0	114.3	114.3	115.5	116.9	118.1	120.6	121.8	125.7	126.9
72.5°	95.4	95.4	95.4	95.4	98.0	98.0	99.3	101.8	103.0	105.5	108.1
75°	76.6	76.6	77.9	77.9	79.2	80.4	81.7	82.9	85.4	86.7	87.9
77.5°	60.3	59.0	60.3	61.6	62.8	62.8	64.1	65.3	66.6	69.1	70.4
80°	42.7	42.7	42.7	44.0	45.2	45.2	46.5	47.7	49.0	51.5	52.8
82.5°	27.6	27.6	28.9	28.9	30.1	31.4	31.4	32.7	33.9	36.4	37.7
85°	15.1	15.1	15.1	16.4	17.6	17.6	18.8	20.1	22.6	23.9	26.4
87.5°	5.1	5.1	6.3	7.6	8.8	8.8	10.0	11.3	12.5	15.1	16.4
90°	1.2	1.2	1.2	2.5	2.5	3.7	3.7	5.1	6.3	7.6	8.8
92.5°	5.1	8.8	13.8	20.1	18.8	20.1	13.8	8.8	8.8	8.8	10.0
95°	15.1	22.6	36.4	57.8	75.4	85.4	94.2	103.0	120.6	121.8	116.9
97.5°	30.1	41.4	66.6	94.2	125.7	141.9	154.5	180.9	208.5	226.1	247.5
100°	50.2	66.6	99.3	137.0	173.4	194.7	214.8	252.5	286.4	316.6	349.3
102.5°	74.1	93.0	133.1	179.6	224.8	248.8	270.1	314.1	360.6	400.7	435.9
105°	99.3	120.6	168.3	221.1	272.6	300.2	326.6	374.3	423.4	467.3	508.8
107.5°	126.9	149.5	201.0	260.0	317.8	349.3	378.1	429.6	481.2	528.9	572.9
110°	153.2	178.4	232.4	296.5	361.8	393.2	422.1	478.7	532.6	582.9	629.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	180.9	207.3	261.3	331.7	398.2	430.9	461.1	521.3	577.8	629.4	675.9
115°	207.3	232.4	288.9	361.8	429.6	463.6	496.2	557.8	616.8	668.3	716.0
117.5°	232.4	256.3	314.1	386.9	457.2	491.2	523.8	587.9	647.0	700.9	747.4
120°	257.5	278.9	341.7	408.3	479.9	513.8	547.7	611.8	672.1	726.1	773.8
122.5°	280.1	300.2	361.8	427.1	497.5	532.6	565.3	630.6	692.2	746.2	792.6
125°	300.2	319.1	380.6	442.2	512.5	546.5	580.3	644.4	706.0	758.8	806.5
127.5°	320.3	339.2	394.4	457.2	522.6	557.8	590.5	654.5	714.8	768.8	815.3
130°	341.7	355.5	408.3	471.1	532.6	565.3	599.2	660.8	719.8	772.6	819.0
132.5°	359.3	371.8	422.1	482.4	540.2	571.6	601.8	663.3	722.3	772.6	817.8
135°	375.6	385.7	432.2	492.4	546.5	575.4	604.2	662.0	719.8	770.1	814.1
137.5°	390.7	400.7	440.9	500.0	551.5	576.6	604.2	658.3	713.6	763.8	805.3
140°	404.5	412.0	448.4	503.7	554.0	577.8	601.8	652.0	703.5	752.5	793.9
142.5°	418.3	424.6	454.8	506.2	555.3	577.8	600.5	644.4	692.2	739.9	781.4
145°	428.4	434.7	459.7	507.5	554.0	575.4	595.4	636.9	679.6	723.6	763.8
147.5°	439.7	444.7	464.8	505.0	550.2	570.3	589.1	626.8	665.8	706.0	743.7
150°	447.2	452.3	467.3	502.5	544.0	562.8	581.7	616.8	652.0	687.2	719.8
152.5°	454.8	458.5	471.1	498.7	536.4	554.0	571.6	605.5	638.2	669.6	698.4
155°	461.1	464.8	473.6	496.2	527.6	544.0	560.2	593.0	623.1	650.7	677.1
157.5°	467.3	469.9	476.1	492.4	517.6	532.6	547.7	576.6	604.2	631.9	653.2
160°	472.4	473.6	478.7	491.2	508.8	520.1	533.9	560.2	585.4	609.3	629.4
162.5°	477.3	477.3	481.2	488.7	501.2	508.8	518.8	541.4	564.1	585.4	604.2
165°	479.9	479.9	482.4	487.4	494.9	500.0	506.2	521.3	538.9	557.8	575.4
167.5°	482.4	482.4	483.6	486.1	491.2	493.7	496.2	506.2	517.6	531.4	545.2
170°	484.9	483.6	483.6	486.1	487.4	488.7	489.9	494.9	500.0	508.8	516.3
172.5°	484.9	483.6	483.6	484.9	484.9	484.9	484.9	486.1	487.4	492.4	494.9
175°	484.9	483.6	483.6	483.6	483.6	482.4	482.4	482.4	482.4	482.4	483.6
177.5°	484.9	483.6	482.4	482.4	481.2	481.2	479.9	479.9	478.7	478.7	478.7
180°	476.1	476.1	476.1	476.1	476.1	476.1	476.1	476.1	476.1	476.1	476.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	354.2	354.2	354.2	354.2	354.2	354.2	354.2	354.2	354.2	354.2
2.5°	355.5	355.5	354.2	354.2	353.0	353.0	351.8	350.5	349.3	349.3
5°	356.7	355.5	354.2	354.2	354.2	353.0	353.0	353.0	351.8	351.8
7.5°	356.7	356.7	356.7	355.5	355.5	355.5	355.5	355.5	354.2	354.2
10°	358.1	358.1	358.1	358.1	358.1	358.1	358.1	356.7	356.7	356.7
12.5°	358.1	358.1	358.1	359.3	359.3	359.3	359.3	359.3	359.3	359.3
15°	359.3	359.3	360.6	360.6	361.8	361.8	363.0	363.0	363.0	361.8
17.5°	358.1	359.3	360.6	361.8	363.0	363.0	364.3	364.3	364.3	364.3
20°	358.1	360.6	361.8	363.0	364.3	364.3	365.5	366.8	366.8	365.5
22.5°	356.7	359.3	360.6	363.0	364.3	364.3	366.8	366.8	366.8	366.8
25°	355.5	358.1	360.6	363.0	364.3	364.3	366.8	366.8	368.1	368.1
27.5°	353.0	355.5	359.3	361.8	363.0	364.3	365.5	366.8	366.8	366.8
30°	349.3	353.0	356.7	359.3	360.6	361.8	363.0	364.3	365.5	365.5
32.5°	344.2	347.9	351.8	355.5	356.7	358.1	360.6	361.8	361.8	361.8
35°	339.2	343.0	346.7	350.5	351.8	353.0	355.5	356.7	358.1	358.1
37.5°	331.7	335.4	339.2	343.0	344.2	346.7	349.3	350.5	350.5	350.5
40°	320.3	326.6	331.7	335.4	336.6	339.2	340.5	343.0	343.0	343.0
42.5°	310.3	315.3	319.1	324.1	325.4	329.1	331.7	332.9	334.2	334.2
45°	299.0	304.0	307.8	311.6	312.8	315.3	317.8	319.1	320.3	321.6
47.5°	287.7	291.4	295.2	299.0	300.2	302.8	305.3	306.5	307.8	307.8
50°	273.8	277.6	281.4	285.2	286.4	288.9	290.2	291.4	292.7	292.7
52.5°	258.8	262.5	266.3	270.1	271.3	272.6	275.1	276.4	277.6	277.6
55°	243.7	247.5	250.0	253.7	255.0	256.3	257.5	260.0	261.3	260.0
57.5°	226.1	229.9	232.4	236.1	237.5	238.7	240.0	241.2	242.4	242.4
60°	207.3	211.1	214.8	217.3	218.6	219.9	221.1	222.4	223.6	223.6
62.5°	188.4	192.2	194.7	198.5	199.7	199.7	201.0	202.3	203.5	203.5
65°	169.6	173.4	174.6	178.4	178.4	179.6	180.9	182.2	182.2	182.2
67.5°	149.5	153.2	154.5	157.0	157.0	158.3	159.5	160.8	160.8	160.8
70°	130.6	131.9	134.4	135.7	137.0	137.0	138.2	139.4	140.7	139.4
72.5°	110.6	111.8	114.3	115.5	115.5	116.9	116.9	118.1	119.4	119.4
75°	90.5	93.0	94.2	95.4	96.7	96.7	98.0	99.3	99.3	99.3
77.5°	71.6	74.1	75.4	76.6	77.9	77.9	79.2	79.2	80.4	79.2
80°	55.3	56.5	57.8	59.0	60.3	60.3	61.6	62.8	62.8	62.8
82.5°	40.2	41.4	44.0	45.2	45.2	45.2	47.7	47.7	49.0	47.7
85°	27.6	28.9	31.4	32.7	33.9	33.9	33.9	35.2	36.4	35.2
87.5°	17.6	20.1	21.3	22.6	22.6	22.6	23.9	25.1	25.1	25.1
90°	10.0	10.0	11.3	12.5	12.5	13.8	13.8	15.1	15.1	15.1
92.5°	10.0	11.3	11.3	11.3	12.5	12.5	12.5	13.8	13.8	13.8
95°	85.4	61.6	35.2	27.6	23.9	23.9	22.6	23.9	22.6	22.6
97.5°	258.8	280.1	290.2	304.0	311.6	310.3	305.3	310.3	306.5	310.3
100°	368.1	388.2	403.2	407.0	414.6	418.3	432.2	442.2	447.2	453.5
102.5°	457.2	481.2	498.7	508.8	516.3	521.3	537.7	552.7	560.2	565.3
105°	538.9	564.1	585.4	595.4	604.2	609.3	626.8	644.4	655.8	662.0
107.5°	604.2	633.1	655.8	670.8	679.6	688.4	709.7	727.3	741.2	747.4
110°	663.3	692.2	716.0	733.6	743.7	752.5	776.4	796.5	811.5	819.0



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CATALOG NUMBER: I3-CL-60L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	712.3	743.7	767.6	786.4	796.5	809.0	831.7	854.2	869.3	878.1
115°	752.5	785.2	810.2	830.3	841.7	853.0	879.4	902.0	917.1	923.3
117.5°	786.4	819.0	845.4	865.5	878.1	890.7	917.1	937.2	953.5	958.5
120°	814.1	846.7	873.1	895.7	908.3	919.6	944.7	966.0	981.1	984.9
122.5°	832.9	866.8	894.4	919.6	930.8	942.1	966.0	987.4	1001.2	1005.0
125°	846.7	881.9	909.5	935.9	947.2	958.5	981.1	1002.5	1013.8	1018.8
127.5°	855.5	890.7	920.8	946.0	958.5	968.5	991.2	1010.0	1021.3	1025.0
130°	858.0	894.4	924.6	950.9	962.3	972.3	993.7	1012.5	1022.6	1025.0
132.5°	858.0	893.2	924.6	949.7	961.0	971.1	991.2	1008.8	1018.8	1021.3
135°	853.0	886.9	918.3	943.5	954.7	964.8	984.9	1000.0	1010.0	1011.3
137.5°	844.2	876.8	907.0	932.1	943.5	953.5	971.1	987.4	996.2	998.7
140°	832.9	863.0	893.2	917.1	928.4	937.2	954.7	968.5	977.3	979.8
142.5°	817.8	847.9	875.6	899.5	908.3	918.3	933.3	947.2	954.7	957.2
145°	801.4	830.3	855.5	876.8	886.9	895.7	909.5	922.0	929.6	932.1
147.5°	780.1	809.0	832.9	853.0	861.8	870.6	883.1	894.4	902.0	904.5
150°	753.7	780.1	805.3	824.1	832.9	841.7	854.2	864.3	871.8	873.1
152.5°	727.3	752.5	773.8	792.6	801.4	810.2	821.5	831.7	840.4	840.4
155°	702.3	723.6	743.7	760.0	767.6	775.1	786.4	795.2	802.7	802.7
157.5°	675.9	696.0	712.3	727.3	733.6	739.9	750.0	757.5	763.8	762.5
160°	650.7	665.8	680.8	693.5	699.7	704.8	712.3	718.5	724.8	723.6
162.5°	623.1	636.9	649.5	658.3	663.3	667.1	674.6	680.8	684.7	684.7
165°	591.7	604.2	615.5	624.3	629.4	631.9	638.2	641.9	645.7	645.7
167.5°	559.0	569.0	579.1	586.6	591.7	594.2	600.5	603.0	608.0	606.7
170°	526.4	533.9	541.4	547.7	550.2	552.7	557.8	560.2	562.8	562.8
172.5°	500.0	502.5	506.2	511.3	511.3	512.5	515.0	516.3	517.6	517.6
175°	484.9	486.1	486.1	486.1	486.1	486.1	487.4	486.1	487.4	486.1
177.5°	478.7	478.7	477.3	477.3	476.1	477.3	476.1	474.8	474.8	473.6
180°	476.1	476.1	476.1	476.1	476.1	476.1	476.1	476.1	476.1	476.1

(END OF REPORT)