

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: P395028

Luminaire Tested: **I3-CL-50L935-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395028
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-50L935-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
5000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

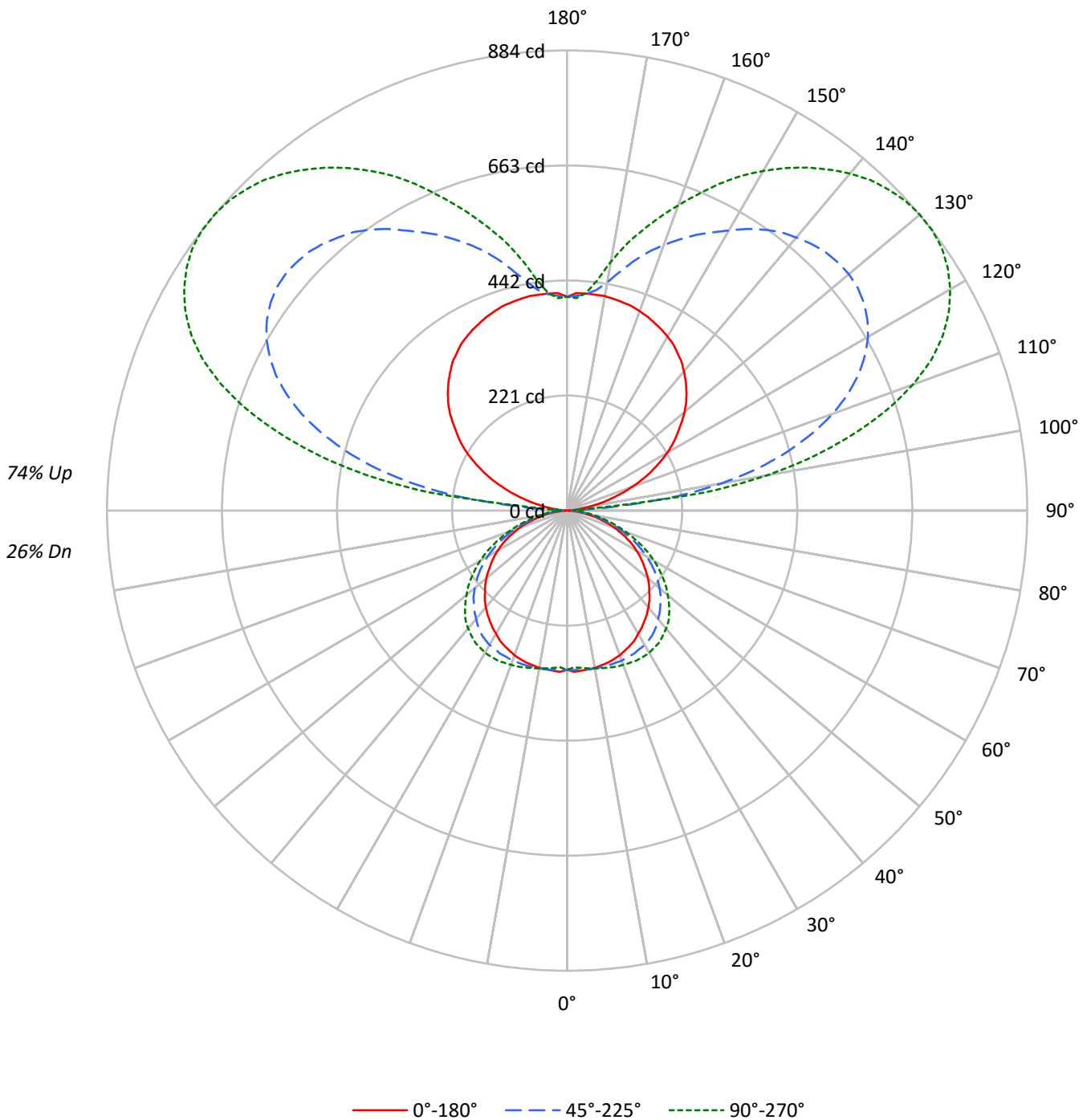
Lumens per Lamp: N/A
Luminaire Lumens: 4027.2 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 33.5
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°	1680	1680	1680
5°	1697	1654	1627
10°	1699	1641	1623
15°	1701	1635	1630
20°	1704	1636	1645
25°	1701	1637	1667
30°	1692	1640	1679
35°	1688	1631	1680
40°	1681	1596	1659
45°	1665	1557	1617
50°	1650	1506	1545
55°	1615	1430	1456
60°	1576	1330	1344
65°	1511	1194	1191
70°	1404	1016	1009
75°	1211	809	810
80°	941	574	594
85°	552	355	397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	0.7
10°-20°	86.9	2.2
20°-30°	139.3	3.5
30°-40°	178.1	4.4
40°-50°	194.2	4.8
50°-60°	182.0	4.5
60°-70°	141.2	3.5
70°-80°	80.9	2.0
80°-90°	25.9	0.6
90°-100°	103.9	2.6
100°-110°	403.8	10.0
110°-120°	549.7	13.6
120°-130°	570.6	14.2
130°-140°	506.1	12.6
140°-150°	392.7	9.8
150°-160°	262.1	6.5
160°-170°	139.7	3.5
170°-180°	40.9	1.0
0°-30°	255.4	6.3
0°-40°	433.5	10.8
0°-60°	809.7	20.1
0°-90°	1057.7	26.3
90°-120°	1057.3	26.3
90°-150°	2526.8	62.7
90°-180°	2969.0	73.7
0°-180°	4027.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	306	306	306	306	306	
5°	309	306	307	306	303	29
15°	302	301	308	312	312	85
25°	286	288	303	314	318	132
35°	259	264	288	303	309	162
45°	223	233	254	270	277	173
55°	179	189	206	220	224	160
65°	127	132	144	154	157	125
75°	66	69	76	83	86	71
85°	13	15	23	29	30	16
90°	1	3	8	11	13	1
95°	13	74	101	21	20	17
105°	86	259	439	521	571	91
115°	179	400	618	726	796	176
125°	259	471	696	817	879	232
135°	324	496	702	824	872	250
145°	370	496	659	765	804	232
155°	398	469	584	662	692	184
165°	414	431	496	543	557	117
175°	418	416	417	419	419	40
180°	411	411	411	411	411	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6
2.5°	310.0	308.8	308.8	306.7	306.7	305.6	305.6	305.6	305.6	305.6	306.7
5°	308.8	308.8	307.8	306.7	306.7	305.6	305.6	305.6	305.6	305.6	306.7
7.5°	307.8	307.8	306.7	305.6	305.6	305.6	305.6	305.6	305.6	305.6	307.8
10°	306.7	306.7	305.6	304.5	304.5	304.5	304.5	305.6	305.6	305.6	307.8
12.5°	304.5	303.4	303.4	302.4	302.4	302.4	303.4	303.4	304.5	305.6	307.8
15°	302.4	302.4	301.3	300.1	301.3	301.3	301.3	302.4	303.4	304.5	307.8
17.5°	299.1	299.1	298.0	298.0	298.0	299.1	299.1	300.1	302.4	304.5	306.7
20°	295.8	294.7	294.7	294.7	295.8	295.8	297.0	299.1	300.1	303.4	306.7
22.5°	290.4	291.5	290.4	290.4	291.5	292.6	293.7	295.8	298.0	301.3	304.5
25°	286.1	286.1	286.1	286.1	288.3	288.3	290.4	292.6	295.8	299.1	303.4
27.5°	280.7	280.7	280.7	281.7	282.8	284.0	285.0	288.3	291.5	295.8	300.1
30°	273.1	273.1	273.1	273.1	276.4	277.4	279.6	284.0	287.1	292.6	298.0
32.5°	266.6	266.6	266.6	267.7	269.8	271.0	273.1	278.5	282.8	288.3	293.7
35°	259.0	259.0	260.1	260.1	263.3	264.4	266.6	271.0	275.3	281.7	288.3
37.5°	251.4	251.4	252.5	253.6	255.7	258.0	260.1	264.4	268.7	274.1	280.7
40°	242.7	242.7	243.8	245.0	248.1	250.3	252.5	256.8	261.1	266.6	272.0
42.5°	234.1	234.1	235.1	236.3	239.5	241.7	243.8	249.3	253.6	259.0	263.3
45°	223.3	224.3	225.4	227.6	230.8	233.0	235.1	239.5	245.0	249.3	253.6
47.5°	213.5	214.6	215.7	217.8	221.1	223.3	225.4	229.7	234.1	238.4	243.8
50°	202.7	203.7	204.8	207.0	210.3	212.4	214.6	218.9	223.3	226.5	231.9
52.5°	190.7	191.8	192.9	195.1	199.4	200.4	202.7	207.0	210.3	214.6	218.9
55°	178.8	179.9	181.0	183.1	186.4	188.6	189.7	194.0	197.3	201.6	205.9
57.5°	166.9	168.0	169.0	171.3	173.4	175.6	176.7	179.9	184.3	187.4	191.8
60°	153.9	155.0	156.0	157.1	160.4	161.4	162.6	165.8	169.0	173.4	176.7
62.5°	140.9	140.9	142.0	143.0	146.3	147.4	148.4	150.7	155.0	157.1	160.4
65°	126.8	126.8	127.9	129.0	131.1	132.2	133.3	135.4	138.7	140.9	144.1
67.5°	111.6	111.6	112.7	113.8	116.0	117.0	117.0	120.3	122.4	124.6	126.8
70°	97.6	97.6	98.6	98.6	99.7	100.8	101.9	104.0	105.1	108.4	109.4
72.5°	82.4	82.4	82.4	82.4	84.6	84.6	85.6	87.7	88.9	91.0	93.2
75°	66.1	66.1	67.2	67.2	68.3	69.4	70.4	71.5	73.7	74.7	75.9
77.5°	52.0	51.0	52.0	53.1	54.2	54.2	55.3	56.3	57.4	59.6	60.7
80°	36.9	36.9	36.9	38.0	39.0	39.0	40.1	41.2	42.3	44.4	45.5
82.5°	23.8	23.8	24.9	24.9	26.0	27.1	27.1	28.2	29.3	31.4	32.5
85°	13.0	13.0	13.0	14.1	15.2	15.2	16.3	17.3	19.5	20.6	22.7
87.5°	4.3	4.3	5.4	6.5	7.6	7.6	8.7	9.7	10.8	13.0	14.1
90°	1.1	1.1	1.1	2.2	2.2	3.3	3.3	4.3	5.4	6.5	7.6
92.5°	4.3	7.6	11.9	17.3	16.3	17.3	11.9	7.6	7.6	7.6	8.7
95°	13.0	19.5	31.4	49.9	65.0	73.7	81.3	88.9	104.0	105.1	100.8
97.5°	26.0	35.7	57.4	81.3	108.4	122.4	133.3	156.0	179.9	195.1	213.5
100°	43.3	57.4	85.6	118.1	149.6	168.0	185.3	217.8	247.1	273.1	301.3
102.5°	64.0	80.2	114.9	155.0	194.0	214.6	233.0	271.0	311.0	345.7	376.0
105°	85.6	104.0	145.3	190.7	235.1	259.0	281.7	323.0	365.2	403.1	438.9
107.5°	109.4	129.0	173.4	224.3	274.1	301.3	326.1	370.7	415.1	456.2	494.1
110°	132.2	153.9	200.4	255.7	312.1	339.2	364.1	412.8	459.5	502.8	542.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	156.0	178.8	225.4	286.1	343.5	371.7	397.7	449.7	498.5	542.9	583.0
115°	178.8	200.4	249.3	312.1	370.7	399.8	428.1	481.1	532.1	576.5	617.7
117.5°	200.4	221.1	271.0	333.8	394.4	423.7	451.9	507.1	558.1	604.7	644.8
120°	222.1	240.6	294.7	352.2	414.0	443.2	472.5	527.8	579.8	626.4	667.5
122.5°	241.7	259.0	312.1	368.4	429.1	459.5	487.7	544.0	597.1	643.7	683.8
125°	259.0	275.3	328.4	381.4	442.1	471.4	500.7	555.9	609.1	654.5	695.7
127.5°	276.4	292.6	340.3	394.4	450.8	481.1	509.4	564.6	616.6	663.2	703.4
130°	294.7	306.7	352.2	406.4	459.5	487.7	516.9	570.0	621.0	666.5	706.5
132.5°	310.0	320.8	364.1	416.1	466.0	493.1	519.1	572.2	623.1	666.5	705.5
135°	324.0	332.7	372.8	424.8	471.4	496.4	521.2	571.1	621.0	664.3	702.2
137.5°	337.0	345.7	380.4	431.3	475.7	497.4	521.2	567.8	615.5	658.8	694.7
140°	349.0	355.4	386.8	434.5	477.9	498.5	519.1	562.4	606.8	649.1	684.9
142.5°	360.8	366.3	392.3	436.7	479.0	498.5	518.0	555.9	597.1	638.3	674.1
145°	369.5	375.0	396.7	437.8	477.9	496.4	513.7	549.4	586.3	624.2	658.8
147.5°	379.3	383.7	401.0	435.7	474.7	492.0	508.2	540.8	574.4	609.1	641.5
150°	385.8	390.1	403.1	433.5	469.2	485.5	501.7	532.1	562.4	592.8	621.0
152.5°	392.3	395.5	406.4	430.2	462.7	477.9	493.1	522.4	550.5	577.6	602.5
155°	397.7	401.0	408.5	428.1	455.1	469.2	483.4	511.5	537.5	561.4	584.1
157.5°	403.1	405.3	410.7	424.8	446.5	459.5	472.5	497.4	521.2	545.1	563.5
160°	407.4	408.5	412.8	423.7	438.9	448.7	460.5	483.4	505.0	525.6	542.9
162.5°	411.8	411.8	415.1	421.5	432.4	438.9	447.5	467.1	486.6	505.0	521.2
165°	414.0	414.0	416.1	420.4	427.0	431.3	436.7	449.7	464.9	481.1	496.4
167.5°	416.1	416.1	417.2	419.4	423.7	425.9	428.1	436.7	446.5	458.4	470.3
170°	418.3	417.2	417.2	419.4	420.4	421.5	422.7	427.0	431.3	438.9	445.4
172.5°	418.3	417.2	417.2	418.3	418.3	418.3	418.3	419.4	420.4	424.8	427.0
175°	418.3	417.2	417.2	417.2	417.2	416.1	416.1	416.1	416.1	416.1	417.2
177.5°	418.3	417.2	416.1	416.1	415.1	415.1	414.0	414.0	412.8	412.8	412.8
180°	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6	305.6
2.5°	306.7	306.7	305.6	305.6	304.5	304.5	303.4	302.4	301.3	301.3
5°	307.8	306.7	305.6	305.6	305.6	304.5	304.5	304.5	303.4	303.4
7.5°	307.8	307.8	307.8	306.7	306.7	306.7	306.7	306.7	305.6	305.6
10°	308.8	308.8	308.8	308.8	308.8	308.8	308.8	307.8	307.8	307.8
12.5°	308.8	308.8	308.8	310.0	310.0	310.0	310.0	310.0	310.0	310.0
15°	310.0	310.0	311.0	311.0	312.1	312.1	313.1	313.1	313.1	312.1
17.5°	308.8	310.0	311.0	312.1	313.1	313.1	314.3	314.3	314.3	314.3
20°	308.8	311.0	312.1	313.1	314.3	314.3	315.4	316.4	316.4	315.4
22.5°	307.8	310.0	311.0	313.1	314.3	314.3	316.4	316.4	316.4	316.4
25°	306.7	308.8	311.0	313.1	314.3	314.3	316.4	316.4	317.5	317.5
27.5°	304.5	306.7	310.0	312.1	313.1	314.3	315.4	316.4	316.4	316.4
30°	301.3	304.5	307.8	310.0	311.0	312.1	313.1	314.3	315.4	315.4
32.5°	297.0	300.1	303.4	306.7	307.8	308.8	311.0	312.1	312.1	312.1
35°	292.6	295.8	299.1	302.4	303.4	304.5	306.7	307.8	308.8	308.8
37.5°	286.1	289.4	292.6	295.8	297.0	299.1	301.3	302.4	302.4	302.4
40°	276.4	281.7	286.1	289.4	290.4	292.6	293.7	295.8	295.8	295.8
42.5°	267.7	272.0	275.3	279.6	280.7	284.0	286.1	287.1	288.3	288.3
45°	258.0	262.3	265.5	268.7	269.8	272.0	274.1	275.3	276.4	277.4
47.5°	248.1	251.4	254.7	258.0	259.0	261.1	263.3	264.4	265.5	265.5
50°	236.3	239.5	242.7	246.0	247.1	249.3	250.3	251.4	252.5	252.5
52.5°	223.3	226.5	229.7	233.0	234.1	235.1	237.3	238.4	239.5	239.5
55°	210.3	213.5	215.7	218.9	220.0	221.1	222.1	224.3	225.4	224.3
57.5°	195.1	198.3	200.4	203.7	204.8	205.9	207.0	208.1	209.1	209.1
60°	178.8	182.1	185.3	187.4	188.6	189.7	190.7	191.8	192.9	192.9
62.5°	162.6	165.8	168.0	171.3	172.3	172.3	173.4	174.4	175.6	175.6
65°	146.3	149.6	150.7	153.9	153.9	155.0	156.0	157.1	157.1	157.1
67.5°	129.0	132.2	133.3	135.4	135.4	136.6	137.6	138.7	138.7	138.7
70°	112.7	113.8	116.0	117.0	118.1	118.1	119.2	120.3	121.4	120.3
72.5°	95.4	96.4	98.6	99.7	99.7	100.8	100.8	101.9	103.0	103.0
75°	78.0	80.2	81.3	82.4	83.4	83.4	84.6	85.6	85.6	85.6
77.5°	61.7	64.0	65.0	66.1	67.2	67.2	68.3	68.3	69.4	68.3
80°	47.7	48.7	49.9	51.0	52.0	52.0	53.1	54.2	54.2	54.2
82.5°	34.7	35.7	38.0	39.0	39.0	39.0	41.2	41.2	42.3	41.2
85°	23.8	24.9	27.1	28.2	29.3	29.3	29.3	30.3	31.4	30.3
87.5°	15.2	17.3	18.4	19.5	19.5	19.5	20.6	21.7	21.7	21.7
90°	8.7	8.7	9.7	10.8	10.8	11.9	11.9	13.0	13.0	13.0
92.5°	8.7	9.7	9.7	9.7	10.8	10.8	10.8	11.9	11.9	11.9
95°	73.7	53.1	30.3	23.8	20.6	20.6	19.5	20.6	19.5	19.5
97.5°	223.3	241.7	250.3	262.3	268.7	267.7	263.3	267.7	264.4	267.7
100°	317.5	334.8	347.8	351.1	357.6	360.8	372.8	381.4	385.8	391.2
102.5°	394.4	415.1	430.2	438.9	445.4	449.7	463.8	476.8	483.4	487.7
105°	464.9	486.6	505.0	513.7	521.2	525.6	540.8	555.9	565.7	571.1
107.5°	521.2	546.2	565.7	578.7	586.3	593.8	612.3	627.4	639.4	644.8
110°	572.2	597.1	617.7	632.8	641.5	649.1	669.7	687.1	700.1	706.5



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CATALOG NUMBER: I3-CL-50L935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	614.4	641.5	662.1	678.4	687.1	697.9	717.4	736.9	749.9	757.5
115°	649.1	677.3	699.0	716.4	726.1	735.8	758.5	778.1	791.1	796.5
117.5°	678.4	706.5	729.4	746.7	757.5	768.4	791.1	808.4	822.5	826.8
120°	702.2	730.4	753.2	772.7	783.5	793.2	814.9	833.4	846.4	849.6
122.5°	718.5	747.8	771.5	793.2	803.0	812.8	833.4	851.8	863.7	866.9
125°	730.4	760.8	784.6	807.4	817.1	826.8	846.4	864.8	874.5	878.9
127.5°	738.0	768.4	794.4	816.1	826.8	835.5	855.1	871.2	881.1	884.2
130°	740.1	771.5	797.6	820.4	830.1	838.8	857.2	873.5	882.1	884.2
132.5°	740.1	770.5	797.6	819.2	829.1	837.7	855.1	870.2	878.9	881.1
135°	735.8	765.1	792.2	813.8	823.6	832.2	849.6	862.6	871.2	872.4
137.5°	728.2	756.4	782.4	804.1	813.8	822.5	837.7	851.8	859.4	861.5
140°	718.5	744.5	770.5	791.1	800.8	808.4	823.6	835.5	843.1	845.2
142.5°	705.5	731.5	755.4	775.9	783.5	792.2	805.2	817.1	823.6	825.8
145°	691.4	716.4	738.0	756.4	765.1	772.7	784.6	795.4	801.9	804.1
147.5°	673.0	697.9	718.5	735.8	743.4	751.0	761.8	771.5	778.1	780.2
150°	650.2	673.0	694.7	710.9	718.5	726.1	736.9	745.5	752.1	753.2
152.5°	627.4	649.1	667.5	683.8	691.4	699.0	708.7	717.4	725.0	725.0
155°	605.8	624.2	641.5	655.7	662.1	668.7	678.4	686.0	692.5	692.5
157.5°	583.0	600.4	614.4	627.4	632.8	638.3	647.0	653.5	658.8	657.8
160°	561.4	574.4	587.4	598.2	603.6	608.0	614.4	619.8	625.3	624.2
162.5°	537.5	549.4	560.3	567.8	572.2	575.4	581.9	587.4	590.6	590.6
165°	510.4	521.2	531.0	538.6	542.9	545.1	550.5	553.8	557.0	557.0
167.5°	482.2	490.9	499.6	506.1	510.4	512.6	518.0	520.1	524.5	523.4
170°	454.1	460.5	467.1	472.5	474.7	476.8	481.1	483.4	485.5	485.5
172.5°	431.3	433.5	436.7	441.1	441.1	442.1	444.3	445.4	446.5	446.5
175°	418.3	419.4	419.4	419.4	419.4	419.4	420.4	419.4	420.4	419.4
177.5°	412.8	412.8	411.8	411.8	410.7	411.8	410.7	409.7	409.7	408.5
180°	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7	410.7

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