

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: P395024

Luminaire Tested: **I3-CL-40L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395024  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-CL-40L930-1D-UNV-STD-W-4  
Description: CORELITE I3, CLEAR TOP COVER  
4000 LUMENS  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

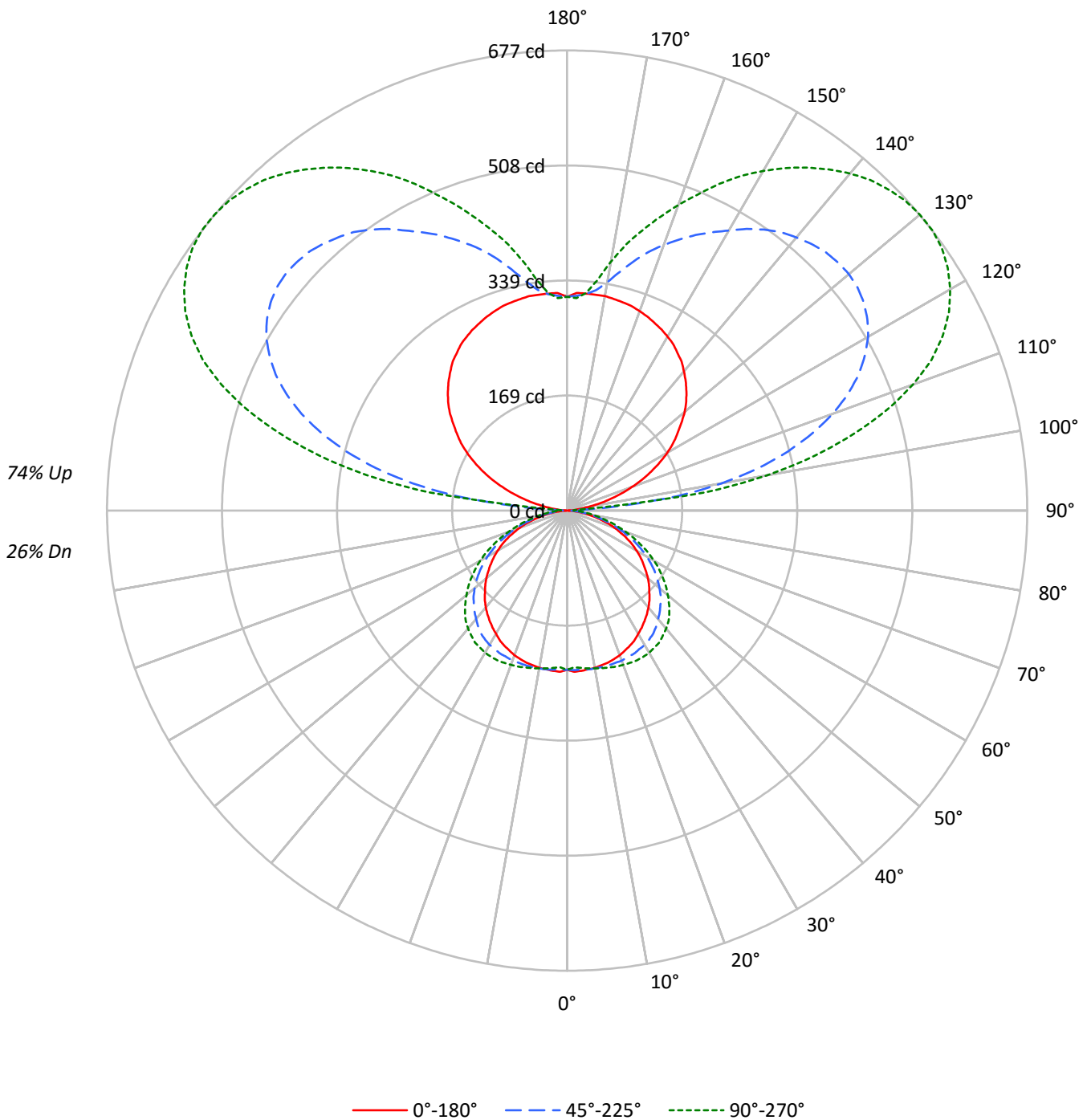
Lumens per Lamp: N/A  
Luminaire Lumens: 3084.4 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 27.9  
Input Voltage (V): 120  
Input Current (Ain): 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°	1287	1287	1287
5°	1301	1267	1246
10°	1301	1257	1242
15°	1303	1252	1248
20°	1305	1253	1260
25°	1303	1254	1277
30°	1296	1256	1285
35°	1293	1249	1287
40°	1288	1222	1271
45°	1275	1193	1239
50°	1263	1153	1184
55°	1238	1095	1115
60°	1207	1018	1029
65°	1157	915	913
70°	1075	778	773
75°	927	619	621
80°	719	441	454
85°	424	272	304



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.4	0.7
10°-20°	66.5	2.2
20°-30°	106.7	3.5
30°-40°	136.4	4.4
40°-50°	148.8	4.8
50°-60°	139.4	4.5
60°-70°	108.1	3.5
70°-80°	62.0	2.0
80°-90°	19.8	0.6
90°-100°	79.5	2.6
100°-110°	309.2	10.0
110°-120°	421.0	13.6
120°-130°	437.0	14.2
130°-140°	387.7	12.6
140°-150°	300.8	9.8
150°-160°	200.7	6.5
160°-170°	107.0	3.5
170°-180°	31.3	1.0
0°-30°	195.6	6.3
0°-40°	332.0	10.8
0°-60°	620.2	20.1
0°-90°	810.1	26.3
90°-120°	809.8	26.3
90°-150°	1935.3	62.7
90°-180°	2274.0	73.7
0°-180°	3084.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	234	234	234	234	234	
5°	237	234	235	234	232	23
15°	232	231	236	239	239	65
25°	219	221	232	241	243	101
35°	198	202	221	232	237	124
45°	171	178	194	207	212	132
55°	137	144	158	168	172	122
65°	97	101	110	118	120	96
75°	51	53	58	64	66	54
85°	10	12	17	22	23	12
90°	1	2	6	8	10	1
95°	10	56	77	16	15	13
105°	66	198	336	399	437	70
115°	137	306	473	556	610	135
125°	198	361	533	626	673	177
135°	248	380	538	631	668	191
145°	283	380	505	586	616	177
155°	305	359	447	507	530	141
165°	317	330	380	416	427	90
175°	320	319	320	321	321	31
180°	315	315	315	315	315	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1
2.5°	237.4	236.6	236.6	234.9	234.9	234.1	234.1	234.1	234.1	234.1	234.9
5°	236.6	236.6	235.7	234.9	234.9	234.1	234.1	234.1	234.1	234.1	234.9
7.5°	235.7	235.7	234.9	234.1	234.1	234.1	234.1	234.1	234.1	234.1	235.7
10°	234.9	234.9	234.1	233.2	233.2	233.2	233.2	234.1	234.1	234.1	235.7
12.5°	233.2	232.4	232.4	231.6	231.6	231.6	232.4	232.4	233.2	234.1	235.7
15°	231.6	231.6	230.7	229.9	230.7	230.7	230.7	231.6	232.4	233.2	235.7
17.5°	229.1	229.1	228.2	228.2	228.2	229.1	229.1	229.9	231.6	233.2	234.9
20°	226.6	225.8	225.8	225.8	226.6	226.6	227.4	229.1	229.9	232.4	234.9
22.5°	222.4	223.3	222.4	222.4	223.3	224.1	224.9	226.6	228.2	230.7	233.2
25°	219.1	219.1	219.1	219.1	220.8	220.8	222.4	224.1	226.6	229.1	232.4
27.5°	215.0	215.0	215.0	215.8	216.6	217.5	218.3	220.8	223.3	226.6	229.9
30°	209.2	209.2	209.2	209.2	211.6	212.5	214.1	217.5	220.0	224.1	228.2
32.5°	204.2	204.2	204.2	205.0	206.7	207.5	209.2	213.3	216.6	220.8	224.9
35°	198.4	198.4	199.2	199.2	201.7	202.5	204.2	207.5	210.8	215.8	220.8
37.5°	192.6	192.6	193.4	194.2	195.9	197.5	199.2	202.5	205.8	210.0	215.0
40°	185.9	185.9	186.8	187.6	190.1	191.7	193.4	196.7	200.0	204.2	208.3
42.5°	179.3	179.3	180.1	180.9	183.4	185.1	186.8	190.9	194.2	198.4	201.7
45°	171.0	171.8	172.6	174.3	176.8	178.4	180.1	183.4	187.6	190.9	194.2
47.5°	163.5	164.3	165.2	166.8	169.3	171.0	172.6	176.0	179.3	182.6	186.8
50°	155.2	156.0	156.9	158.5	161.0	162.7	164.3	167.7	171.0	173.5	177.6
52.5°	146.1	146.9	147.7	149.4	152.7	153.5	155.2	158.5	161.0	164.3	167.7
55°	137.0	137.8	138.6	140.3	142.8	144.4	145.2	148.6	151.1	154.4	157.7
57.5°	127.8	128.6	129.5	131.1	132.8	134.5	135.3	137.8	141.1	143.6	146.9
60°	117.9	118.7	119.5	120.4	122.8	123.7	124.5	127.0	129.5	132.8	135.3
62.5°	107.9	107.9	108.7	109.6	112.0	112.9	113.7	115.4	118.7	120.4	122.8
65°	97.1	97.1	97.9	98.8	100.4	101.3	102.1	103.8	106.2	107.9	110.4
67.5°	85.5	85.5	86.3	87.1	88.8	89.6	89.6	92.1	93.8	95.4	97.1
70°	74.7	74.7	75.5	75.5	76.4	77.2	78.0	79.7	80.5	83.0	83.8
72.5°	63.1	63.1	63.1	63.1	64.7	64.7	65.6	67.2	68.1	69.7	71.4
75°	50.6	50.6	51.5	51.5	52.3	53.1	54.0	54.8	56.4	57.3	58.1
77.5°	39.8	39.0	39.8	40.7	41.5	41.5	42.3	43.2	44.0	45.6	46.5
80°	28.2	28.2	28.2	29.0	29.9	29.9	30.7	31.5	32.4	34.0	34.9
82.5°	18.3	18.3	19.1	19.1	19.9	20.8	20.8	21.6	22.4	24.1	24.9
85°	10.0	10.0	10.0	10.8	11.6	11.6	12.4	13.3	14.9	15.8	17.4
87.5°	3.3	3.3	4.1	5.0	5.8	5.8	6.6	7.5	8.3	10.0	10.8
90°	0.8	0.8	0.8	1.7	1.7	2.5	2.5	3.3	4.1	5.0	5.8
92.5°	3.3	5.8	9.1	13.3	12.4	13.3	9.1	5.8	5.8	5.8	6.6
95°	10.0	14.9	24.1	38.2	49.8	56.4	62.2	68.1	79.7	80.5	77.2
97.5°	19.9	27.4	44.0	62.2	83.0	93.8	102.1	119.5	137.8	149.4	163.5
100°	33.2	44.0	65.6	90.5	114.5	128.6	141.9	166.8	189.2	209.2	230.7
102.5°	49.0	61.4	88.0	118.7	148.6	164.3	178.4	207.5	238.2	264.8	288.0
105°	65.6	79.7	111.2	146.1	180.1	198.4	215.8	247.3	279.7	308.8	336.2
107.5°	83.8	98.8	132.8	171.8	210.0	230.7	249.8	283.9	317.9	349.4	378.5
110°	101.3	117.9	153.5	195.9	239.0	259.8	278.9	316.2	351.9	385.1	415.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	119.5	137.0	172.6	219.1	263.1	284.7	304.6	344.4	381.8	415.8	446.5
115°	137.0	153.5	190.9	239.0	283.9	306.3	327.8	368.5	407.5	441.6	473.1
117.5°	153.5	169.3	207.5	255.6	302.1	324.5	346.1	388.4	427.4	463.1	493.8
120°	170.2	184.3	225.8	269.8	317.1	339.5	361.9	404.2	444.0	479.7	511.3
122.5°	185.1	198.4	239.0	282.2	328.7	351.9	373.5	416.7	457.3	493.0	523.7
125°	198.4	210.8	251.5	292.2	338.6	361.0	383.5	425.8	466.5	501.3	532.9
127.5°	211.6	224.1	260.6	302.1	345.3	368.5	390.1	432.4	472.3	508.0	538.7
130°	225.8	234.9	269.8	311.2	351.9	373.5	395.9	436.6	475.6	510.4	541.2
132.5°	237.4	245.7	278.9	318.7	356.9	377.6	397.6	438.2	477.2	510.4	540.3
135°	248.2	254.8	285.5	325.4	361.0	380.1	399.2	437.4	475.6	508.8	537.8
137.5°	258.1	264.8	291.3	330.3	364.4	381.0	399.2	434.9	471.4	504.6	532.0
140°	267.3	272.2	296.3	332.8	366.0	381.8	397.6	430.8	464.8	497.2	524.6
142.5°	276.4	280.5	300.5	334.5	366.9	381.8	396.7	425.8	457.3	488.9	516.3
145°	283.0	287.2	303.8	335.3	366.0	380.1	393.4	420.8	449.0	478.1	504.6
147.5°	290.5	293.8	307.1	333.7	363.5	376.8	389.3	414.2	439.9	466.5	491.4
150°	295.5	298.8	308.8	332.0	359.4	371.8	384.3	407.5	430.8	454.0	475.6
152.5°	300.5	303.0	311.2	329.5	354.4	366.0	377.6	400.1	421.6	442.4	461.5
155°	304.6	307.1	312.9	327.8	348.6	359.4	370.2	391.8	411.7	429.9	447.4
157.5°	308.8	310.4	314.6	325.4	342.0	351.9	361.9	381.0	399.2	417.5	431.6
160°	312.1	312.9	316.2	324.5	336.2	343.6	352.8	370.2	386.8	402.5	415.8
162.5°	315.4	315.4	317.9	322.9	331.2	336.2	342.8	357.7	372.7	386.8	399.2
165°	317.1	317.1	318.7	322.0	327.0	330.3	334.5	344.4	356.1	368.5	380.1
167.5°	318.7	318.7	319.6	321.2	324.5	326.2	327.8	334.5	342.0	351.1	360.2
170°	320.4	319.6	319.6	321.2	322.0	322.9	323.7	327.0	330.3	336.2	341.1
172.5°	320.4	319.6	319.6	320.4	320.4	320.4	320.4	321.2	322.0	325.4	327.0
175°	320.4	319.6	319.6	319.6	319.6	318.7	318.7	318.7	318.7	318.7	319.6
177.5°	320.4	319.6	318.7	318.7	317.9	317.9	317.1	317.1	316.2	316.2	316.2
180°	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1	234.1
2.5°	234.9	234.9	234.1	234.1	233.2	233.2	232.4	231.6	230.7	230.7
5°	235.7	234.9	234.1	234.1	234.1	233.2	233.2	233.2	232.4	232.4
7.5°	235.7	235.7	235.7	234.9	234.9	234.9	234.9	234.9	234.1	234.1
10°	236.6	236.6	236.6	236.6	236.6	236.6	236.6	235.7	235.7	235.7
12.5°	236.6	236.6	236.6	237.4	237.4	237.4	237.4	237.4	237.4	237.4
15°	237.4	237.4	238.2	238.2	239.0	239.0	239.9	239.9	239.9	239.0
17.5°	236.6	237.4	238.2	239.0	239.9	239.9	240.7	240.7	240.7	240.7
20°	236.6	238.2	239.0	239.9	240.7	240.7	241.5	242.4	242.4	241.5
22.5°	235.7	237.4	238.2	239.9	240.7	240.7	242.4	242.4	242.4	242.4
25°	234.9	236.6	238.2	239.9	240.7	240.7	242.4	242.4	243.2	243.2
27.5°	233.2	234.9	237.4	239.0	239.9	240.7	241.5	242.4	242.4	242.4
30°	230.7	233.2	235.7	237.4	238.2	239.0	239.9	240.7	241.5	241.5
32.5°	227.4	229.9	232.4	234.9	235.7	236.6	238.2	239.0	239.0	239.0
35°	224.1	226.6	229.1	231.6	232.4	233.2	234.9	235.7	236.6	236.6
37.5°	219.1	221.6	224.1	226.6	227.4	229.1	230.7	231.6	231.6	231.6
40°	211.6	215.8	219.1	221.6	222.4	224.1	224.9	226.6	226.6	226.6
42.5°	205.0	208.3	210.8	214.1	215.0	217.5	219.1	220.0	220.8	220.8
45°	197.5	200.9	203.4	205.8	206.7	208.3	210.0	210.8	211.6	212.5
47.5°	190.1	192.6	195.0	197.5	198.4	200.0	201.7	202.5	203.4	203.4
50°	180.9	183.4	185.9	188.4	189.2	190.9	191.7	192.6	193.4	193.4
52.5°	171.0	173.5	176.0	178.4	179.3	180.1	181.8	182.6	183.4	183.4
55°	161.0	163.5	165.2	167.7	168.5	169.3	170.2	171.8	172.6	171.8
57.5°	149.4	151.9	153.5	156.0	156.9	157.7	158.5	159.4	160.2	160.2
60°	137.0	139.4	141.9	143.6	144.4	145.2	146.1	146.9	147.7	147.7
62.5°	124.5	127.0	128.6	131.1	132.0	132.0	132.8	133.6	134.5	134.5
65°	112.0	114.5	115.4	117.9	117.9	118.7	119.5	120.4	120.4	120.4
67.5°	98.8	101.3	102.1	103.8	103.8	104.6	105.4	106.2	106.2	106.2
70°	86.3	87.1	88.8	89.6	90.5	90.5	91.3	92.1	93.0	92.1
72.5°	73.0	73.9	75.5	76.4	76.4	77.2	77.2	78.0	78.8	78.8
75°	59.8	61.4	62.2	63.1	63.9	63.9	64.7	65.6	65.6	65.6
77.5°	47.3	49.0	49.8	50.6	51.5	51.5	52.3	52.3	53.1	52.3
80°	36.5	37.4	38.2	39.0	39.8	39.8	40.7	41.5	41.5	41.5
82.5°	26.6	27.4	29.0	29.9	29.9	29.9	31.5	31.5	32.4	31.5
85°	18.3	19.1	20.8	21.6	22.4	22.4	22.4	23.2	24.1	23.2
87.5°	11.6	13.3	14.1	14.9	14.9	14.9	15.8	16.6	16.6	16.6
90°	6.6	6.6	7.5	8.3	8.3	9.1	9.1	10.0	10.0	10.0
92.5°	6.6	7.5	7.5	7.5	8.3	8.3	8.3	9.1	9.1	9.1
95°	56.4	40.7	23.2	18.3	15.8	15.8	14.9	15.8	14.9	14.9
97.5°	171.0	185.1	191.7	200.9	205.8	205.0	201.7	205.0	202.5	205.0
100°	243.2	256.5	266.4	268.9	273.9	276.4	285.5	292.2	295.5	299.6
102.5°	302.1	317.9	329.5	336.2	341.1	344.4	355.2	365.2	370.2	373.5
105°	356.1	372.7	386.8	393.4	399.2	402.5	414.2	425.8	433.3	437.4
107.5°	399.2	418.3	433.3	443.2	449.0	454.8	469.0	480.6	489.7	493.8
110°	438.2	457.3	473.1	484.7	491.4	497.2	512.9	526.2	536.2	541.2





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CATALOG NUMBER: I3-CL-40L930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	470.6	491.4	507.1	519.6	526.2	534.5	549.5	564.4	574.4	580.2
115°	497.2	518.8	535.4	548.6	556.1	563.6	581.0	595.9	605.9	610.0
117.5°	519.6	541.2	558.6	571.9	580.2	588.5	605.9	619.2	630.0	633.3
120°	537.8	559.4	576.8	591.8	600.1	607.6	624.2	638.3	648.2	650.7
122.5°	550.3	572.7	591.0	607.6	615.0	622.5	638.3	652.4	661.5	664.0
125°	559.4	582.7	600.9	618.4	625.8	633.3	648.2	662.3	669.8	673.1
127.5°	565.2	588.5	608.4	625.0	633.3	639.9	654.9	667.3	674.8	677.3
130°	566.9	591.0	610.9	628.3	635.8	642.4	656.5	669.0	675.6	677.3
132.5°	566.9	590.1	610.9	627.5	634.9	641.6	654.9	666.5	673.1	674.8
135°	563.6	586.0	606.7	623.3	630.8	637.4	650.7	660.7	667.3	668.2
137.5°	557.8	579.3	599.3	615.9	623.3	630.0	641.6	652.4	658.2	659.8
140°	550.3	570.2	590.1	605.9	613.4	619.2	630.8	639.9	645.7	647.4
142.5°	540.3	560.2	578.5	594.3	600.1	606.7	616.7	625.8	630.8	632.5
145°	529.5	548.6	565.2	579.3	586.0	591.8	600.9	609.2	614.2	615.9
147.5°	515.4	534.5	550.3	563.6	569.4	575.2	583.5	591.0	595.9	597.6
150°	498.0	515.4	532.0	544.5	550.3	556.1	564.4	571.0	576.0	576.8
152.5°	480.6	497.2	511.3	523.7	529.5	535.4	542.8	549.5	555.3	555.3
155°	464.0	478.1	491.4	502.2	507.1	512.1	519.6	525.4	530.4	530.4
157.5°	446.5	459.8	470.6	480.6	484.7	488.9	495.5	500.5	504.6	503.8
160°	429.9	439.9	449.9	458.2	462.3	465.6	470.6	474.8	478.9	478.1
162.5°	411.7	420.8	429.1	434.9	438.2	440.7	445.7	449.9	452.4	452.4
165°	390.9	399.2	406.7	412.5	415.8	417.5	421.6	424.1	426.6	426.6
167.5°	369.3	376.0	382.6	387.6	390.9	392.6	396.7	398.4	401.7	400.9
170°	347.8	352.8	357.7	361.9	363.5	365.2	368.5	370.2	371.8	371.8
172.5°	330.3	332.0	334.5	337.8	337.8	338.6	340.3	341.1	342.0	342.0
175°	320.4	321.2	321.2	321.2	321.2	321.2	322.0	321.2	322.0	321.2
177.5°	316.2	316.2	315.4	315.4	314.6	315.4	314.6	313.7	313.7	312.9
180°	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6	314.6

(END OF REPORT)