

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: P393824

Luminaire Tested: **I3-UL-30L835-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P393824  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-UL-30L835-1D-UNV-STD-W-4  
Description: CORELITE I3, OPEN TOP  
3000 LUMENS  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

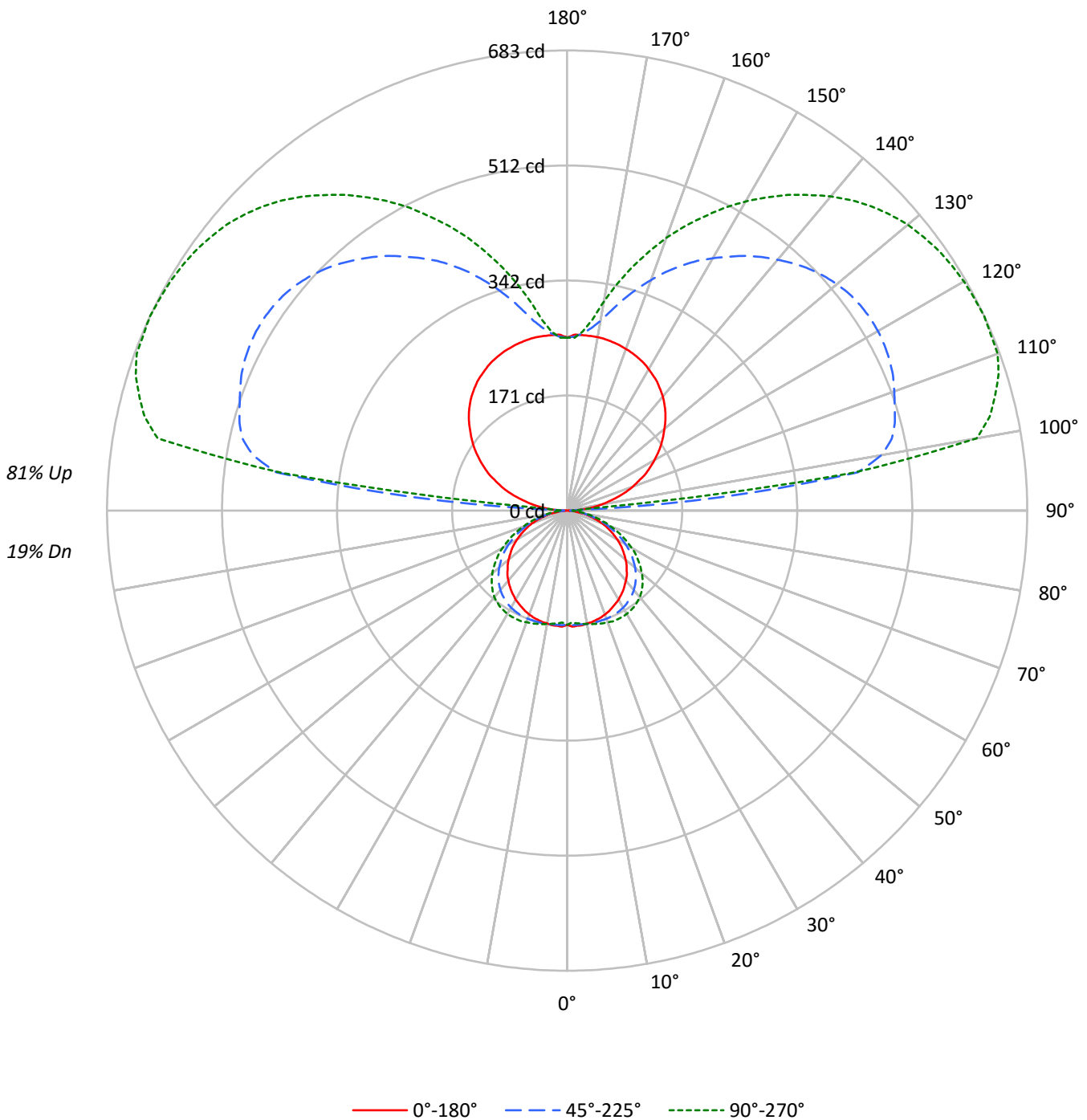
Lumens per Lamp: N/A  
Luminaire Lumens: 3110.6 lumens  
Efficiency: N/A  
Efficacy: 157.9 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

Input Watts (W): 19.7  
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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4

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

	0°	45°	90°
0°	931	931	931
5°	944	918	900
10°	943	911	901
15°	945	908	909
20°	945	911	920
25°	944	914	933
30°	945	915	943
35°	944	911	947
40°	940	904	941
45°	932	885	921
50°	924	857	887
55°	907	815	836
60°	879	756	769
65°	840	673	686
70°	794	584	579
75°	689	457	465
80°	548	329	336
85°	327	192	222



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	0.5
10°-20°	48.3	1.6
20°-30°	77.8	2.5
30°-40°	100.1	3.2
40°-50°	109.9	3.5
50°-60°	103.3	3.3
60°-70°	80.3	2.6
70°-80°	46.0	1.5
80°-90°	14.8	0.5
90°-100°	198.8	6.4
100°-110°	472.5	15.2
110°-120°	474.7	15.3
120°-130°	435.3	14.0
130°-140°	364.0	11.7
140°-150°	273.2	8.8
150°-160°	177.8	5.7
160°-170°	91.6	2.9
170°-180°	25.9	0.8
0°-30°	142.3	4.6
0°-40°	242.4	7.8
0°-60°	455.6	14.6
0°-90°	596.7	19.2
90°-120°	1146.0	36.8
90°-150°	2218.5	71.3
90°-180°	2514.0	80.8
0°-180°	3110.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	169	169	169	169	169	
5°	172	170	170	169	168	16
15°	168	167	171	173	174	47
25°	159	160	169	176	178	73
35°	145	149	161	171	174	91
45°	125	131	144	155	158	97
55°	100	106	117	126	129	90
65°	70	74	81	88	90	70
75°	38	39	43	48	49	40
85°	8	9	12	16	17	9
90°	1	2	5	7	8	2
95°	27	222	228	31	26	27
105°	77	298	504	621	658	82
115°	128	336	528	642	683	126
125°	170	350	531	636	673	152
135°	206	349	508	603	639	159
145°	233	334	462	542	572	146
155°	250	307	401	459	481	115
165°	259	277	325	360	374	73
175°	261	261	264	267	267	25
180°	257	257	257	257	257	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
2.5°	172.5	171.7	170.9	170.9	170.2	170.2	170.2	169.4	169.4	169.4	170.2
5°	171.7	171.7	170.9	170.2	170.2	170.2	169.4	169.4	169.4	169.4	170.2
7.5°	171.7	170.9	170.2	170.2	169.4	169.4	169.4	169.4	169.4	169.4	170.2
10°	170.2	170.2	169.4	169.4	168.6	169.4	169.4	169.4	169.4	169.4	170.9
12.5°	169.4	169.4	168.6	167.9	167.9	167.9	168.6	168.6	168.6	169.4	170.9
15°	167.9	167.9	167.1	167.1	167.1	167.1	167.9	167.9	168.6	169.4	170.9
17.5°	166.3	166.3	165.6	165.6	165.6	166.3	166.3	167.1	167.9	169.4	170.9
20°	164.1	164.1	164.1	164.1	164.1	164.8	164.8	165.6	167.1	168.6	170.9
22.5°	161.8	161.8	161.8	161.8	161.8	162.5	163.3	164.8	165.6	167.9	170.2
25°	158.7	158.7	158.7	158.7	159.5	160.2	161.0	162.5	164.1	166.3	169.4
27.5°	155.6	156.4	156.4	156.4	157.2	157.9	158.7	160.2	162.5	165.6	167.9
30°	152.6	152.6	152.6	153.3	154.1	154.9	156.4	157.9	160.2	163.3	166.3
32.5°	148.7	148.7	149.5	149.5	151.0	151.8	153.3	155.6	157.9	161.0	164.1
35°	144.9	144.9	144.9	146.4	147.2	148.7	149.5	151.8	154.9	157.9	161.0
37.5°	140.3	141.1	141.1	141.8	143.4	144.9	145.7	148.7	151.8	154.9	157.9
40°	135.7	136.5	136.5	137.2	139.5	140.3	141.8	144.9	147.2	151.0	154.1
42.5°	131.1	131.1	131.9	132.6	134.9	135.7	137.2	140.3	143.4	146.4	149.5
45°	125.0	125.7	126.5	127.3	129.6	131.1	132.6	134.9	138.0	141.1	144.1
47.5°	119.6	119.6	120.4	121.9	124.2	125.7	126.5	129.6	131.9	134.9	138.0
50°	113.5	114.2	114.2	115.8	118.1	119.6	120.4	123.4	125.7	128.8	131.9
52.5°	106.6	107.3	108.1	109.6	111.9	113.5	114.2	116.5	118.8	121.9	124.2
55°	100.4	101.2	101.2	102.7	105.0	105.8	107.3	108.9	111.9	114.2	117.3
57.5°	93.5	94.3	94.3	95.8	97.4	98.9	99.7	102.0	104.3	106.6	108.9
60°	85.9	86.6	87.4	88.2	89.7	91.2	92.0	93.5	95.8	98.1	100.4
62.5°	78.2	79.0	79.7	80.5	82.0	82.8	83.6	85.9	87.4	89.7	91.2
65°	70.5	71.3	72.1	72.8	73.6	74.4	75.1	76.7	78.2	80.5	81.3
67.5°	62.9	63.6	63.6	64.4	65.2	65.9	66.7	68.2	69.0	71.3	72.1
70°	55.2	55.2	55.2	56.0	56.0	56.7	57.5	59.0	59.8	61.3	62.9
72.5°	46.0	46.8	46.8	46.8	47.5	48.3	49.1	49.8	50.6	51.4	52.9
75°	37.6	38.3	37.6	38.3	39.1	39.1	39.9	40.6	41.4	42.2	42.9
77.5°	29.9	29.1	29.9	29.9	30.7	30.7	30.7	31.4	33.0	33.0	34.5
80°	21.5	21.5	21.5	21.5	22.2	22.2	23.0	23.0	24.5	25.3	26.1
82.5°	13.8	13.8	14.6	14.6	14.6	15.3	15.3	16.1	16.9	17.6	18.4
85°	7.7	7.7	7.7	8.4	8.4	9.2	9.2	10.0	10.7	11.5	12.3
87.5°	2.3	3.1	3.8	3.8	4.6	4.6	5.4	5.4	6.9	7.7	8.4
90°	0.8	0.8	1.5	1.5	1.5	2.3	2.3	3.1	3.1	3.8	4.6
92.5°	13.0	30.7	63.6	95.1	82.0	76.7	46.0	13.8	12.3	13.0	13.0
95°	26.8	50.6	92.8	150.3	194.7	222.3	240.7	276.0	312.0	305.9	228.4
97.5°	39.1	65.2	111.9	164.8	226.1	257.6	281.3	323.5	369.5	407.8	435.4
100°	51.4	78.2	128.0	183.2	239.9	268.3	295.9	353.4	398.6	437.0	473.8
102.5°	64.4	91.2	142.6	200.1	256.0	283.6	310.5	361.1	411.7	457.7	493.7
105°	77.4	105.0	155.6	214.6	270.6	298.2	324.3	372.6	419.3	462.3	503.6
107.5°	91.2	117.3	167.1	226.1	282.1	309.7	335.8	384.1	429.3	472.2	509.8
110°	103.5	128.8	178.6	236.9	292.8	320.4	346.5	394.8	439.3	479.9	516.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	115.0	139.5	189.3	246.1	301.3	328.9	354.2	402.5	446.9	486.8	523.6
115°	128.0	149.5	200.1	254.5	308.9	335.8	361.1	408.6	453.1	492.2	528.2
117.5°	138.8	159.5	209.3	261.4	315.1	341.1	365.7	413.2	456.9	496.0	531.2
120°	149.5	168.6	217.7	267.5	319.7	345.0	369.5	416.3	460.0	498.3	532.8
122.5°	160.2	177.8	224.6	273.7	323.5	348.8	372.6	418.6	461.5	499.0	532.8
125°	170.2	185.5	230.7	278.3	325.8	350.3	373.3	418.6	460.7	497.5	531.2
127.5°	179.4	193.9	235.3	282.9	327.3	351.1	373.3	417.0	459.2	495.2	528.2
130°	188.6	201.6	239.9	285.2	328.9	350.3	371.8	414.0	455.4	491.4	522.8
132.5°	197.8	210.0	243.8	287.5	329.6	350.3	370.3	410.9	450.8	486.0	515.9
135°	206.2	216.2	247.6	289.0	328.9	348.8	367.2	405.5	443.9	478.4	507.5
137.5°	213.9	222.3	250.7	289.8	328.1	346.5	364.9	399.4	435.4	469.2	497.5
140°	220.8	228.4	252.2	289.8	325.0	343.4	360.3	393.3	426.2	458.4	486.0
142.5°	226.9	233.8	254.5	288.2	322.0	339.6	355.7	387.1	417.0	447.7	474.5
145°	233.0	238.4	256.0	287.5	318.1	334.2	349.6	379.5	408.6	436.2	461.5
147.5°	237.6	243.0	257.6	284.4	313.5	328.1	342.7	371.0	397.9	423.9	446.9
150°	242.2	246.8	258.3	281.3	308.2	321.2	334.2	361.1	387.1	410.9	432.4
152.5°	246.8	249.9	260.6	278.3	302.0	314.3	327.3	351.1	374.9	397.1	417.8
155°	249.9	252.2	261.4	275.2	295.9	306.6	317.4	339.6	361.1	381.8	400.9
157.5°	253.0	255.3	262.2	272.9	289.0	299.0	308.2	327.3	347.3	365.7	383.3
160°	255.3	256.8	262.2	271.4	282.9	289.8	298.2	315.8	332.7	348.8	364.1
162.5°	257.6	258.3	262.2	269.1	277.5	282.1	288.2	302.0	317.4	331.2	345.0
165°	259.1	259.9	262.2	267.5	272.9	276.7	279.8	289.8	301.3	313.5	325.0
167.5°	260.6	260.6	262.2	266.0	269.1	271.4	273.7	279.0	286.7	295.9	304.3
170°	261.4	261.4	262.2	264.5	266.8	267.5	269.1	272.1	276.0	280.6	285.9
172.5°	261.4	261.4	261.4	262.9	263.7	263.7	263.7	265.2	267.5	270.6	272.9
175°	261.4	260.6	260.6	261.4	260.6	260.6	260.6	260.6	261.4	262.9	263.7
177.5°	261.4	260.6	259.9	259.9	259.1	259.1	258.3	258.3	258.3	258.3	258.3
180°	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
2.5°	170.2	170.2	169.4	168.6	168.6	168.6	167.9	167.1	166.3	166.3
5°	170.2	170.2	169.4	169.4	169.4	169.4	168.6	168.6	167.9	167.9
7.5°	170.9	170.2	170.2	170.2	170.2	170.2	170.2	170.2	169.4	169.4
10°	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9
12.5°	171.7	171.7	171.7	171.7	172.5	172.5	172.5	172.5	172.5	172.5
15°	171.7	172.5	173.2	173.2	173.2	174.0	174.0	174.0	174.0	174.0
17.5°	172.5	173.2	174.0	174.0	174.8	174.8	175.5	175.5	175.5	175.5
20°	172.5	173.2	174.0	174.8	175.5	175.5	176.3	177.1	177.1	176.3
22.5°	171.7	173.2	174.0	174.8	175.5	176.3	177.1	177.8	177.8	177.8
25°	170.9	172.5	174.0	175.5	175.5	176.3	177.8	177.8	177.8	177.8
27.5°	170.2	171.7	173.2	174.8	175.5	176.3	177.1	177.8	177.8	177.8
30°	168.6	170.9	172.5	174.0	174.8	175.5	176.3	177.1	177.1	177.1
32.5°	166.3	168.6	170.2	172.5	173.2	174.0	174.8	175.5	175.5	175.5
35°	164.1	166.3	167.9	170.2	170.9	171.7	173.2	173.2	174.0	174.0
37.5°	160.2	163.3	164.8	167.1	167.9	168.6	170.2	170.9	170.9	170.9
40°	156.4	159.5	161.0	163.3	164.1	164.8	166.3	167.1	167.9	167.9
42.5°	151.8	154.9	156.4	158.7	159.5	160.2	161.8	162.5	163.3	163.3
45°	147.2	149.5	151.0	153.3	154.9	154.9	156.4	157.2	157.9	157.9
47.5°	141.1	143.4	144.9	147.2	148.7	149.5	150.3	151.0	151.8	151.8
50°	134.2	136.5	138.8	140.3	141.8	141.8	143.4	144.1	144.9	144.9
52.5°	127.3	128.8	131.1	133.4	134.2	134.9	135.7	136.5	137.2	137.2
55°	119.6	121.1	123.4	125.0	125.7	126.5	127.3	128.0	128.8	128.8
57.5°	111.2	112.7	115.0	116.5	117.3	118.1	118.8	119.6	120.4	120.4
60°	102.0	103.5	105.8	107.3	108.1	108.1	109.6	110.4	110.4	110.4
62.5°	92.8	94.3	95.8	97.4	98.1	98.9	99.7	100.4	100.4	100.4
65°	83.6	85.1	86.6	87.4	88.2	88.2	88.9	89.7	90.5	90.5
67.5°	73.6	75.1	76.7	77.4	78.2	78.2	79.0	79.7	79.7	79.7
70°	63.6	64.4	65.9	66.7	67.5	67.5	69.0	69.0	69.0	69.0
72.5°	53.7	54.4	56.0	56.7	57.5	57.5	58.3	59.0	59.0	59.0
75°	44.5	45.2	46.0	47.5	47.5	47.5	48.3	49.1	49.1	49.1
77.5°	35.3	36.0	36.8	37.6	38.3	38.3	39.1	39.9	39.9	39.9
80°	26.8	27.6	28.4	29.1	29.1	29.9	29.9	30.7	30.7	30.7
82.5°	19.2	19.9	20.7	21.5	22.2	22.2	23.0	23.8	23.8	23.0
85°	13.0	14.6	15.3	16.1	16.1	16.1	16.9	17.6	17.6	16.9
87.5°	9.2	9.2	10.0	10.7	10.7	11.5	11.5	12.3	12.3	12.3
90°	5.4	5.4	6.1	6.1	6.9	6.9	6.9	7.7	7.7	7.7
92.5°	13.0	13.0	13.8	13.8	13.8	13.8	14.6	14.6	14.6	14.6
95°	139.5	62.9	52.9	32.2	30.7	26.8	26.1	26.8	26.8	26.1
97.5°	468.4	501.3	522.0	532.0	519.7	506.7	492.2	489.9	469.9	425.5
100°	505.2	531.2	556.5	574.2	581.1	587.2	601.0	609.4	613.3	617.1
102.5°	523.6	551.2	573.4	595.6	604.8	613.3	625.5	635.5	639.3	642.4
105°	539.7	568.0	592.6	612.5	620.9	628.6	640.9	650.1	657.0	657.7
107.5°	543.5	573.4	601.0	625.5	635.5	643.9	658.5	665.4	671.5	671.5
110°	550.4	578.8	604.1	626.3	636.3	646.2	661.6	672.3	678.4	680.0





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CATALOG NUMBER: I3-UL-30L835-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	555.8	584.9	608.7	630.9	639.3	648.5	663.1	673.1	678.4	680.7
115°	560.4	588.7	612.5	633.2	642.4	651.6	666.2	674.6	680.7	683.0
117.5°	563.4	591.0	614.8	634.0	643.9	651.6	665.4	674.6	680.7	681.5
120°	564.2	591.8	614.8	634.0	642.4	650.8	664.6	673.8	680.0	680.0
122.5°	564.2	591.0	614.0	632.4	640.1	647.8	660.8	671.5	676.9	676.9
125°	561.1	588.0	610.2	628.6	636.3	643.2	657.0	666.9	672.3	673.1
127.5°	556.5	582.6	604.8	623.2	630.9	637.0	651.6	660.8	666.2	666.9
130°	550.4	576.5	597.9	615.6	623.2	630.1	642.4	652.4	658.5	660.0
132.5°	543.5	568.0	589.5	606.4	614.0	620.2	632.4	642.4	647.8	650.1
135°	535.1	558.1	578.8	595.6	603.3	609.4	620.9	630.9	636.3	638.6
137.5°	524.3	546.6	566.5	583.4	590.3	596.4	607.9	617.1	621.7	624.8
140°	512.1	532.8	553.5	568.8	575.7	581.8	591.8	601.8	606.4	608.7
142.5°	499.0	519.7	538.1	553.5	559.6	565.7	575.7	584.9	589.5	590.3
145°	485.3	505.2	522.0	536.6	542.0	548.1	557.3	566.5	571.1	571.9
147.5°	469.9	488.3	504.4	518.2	524.3	528.9	537.4	545.8	550.4	551.2
150°	452.3	469.2	483.7	497.5	502.9	507.5	516.7	524.3	528.9	529.7
152.5°	435.4	451.5	463.8	476.1	481.4	486.0	493.7	501.3	505.9	506.7
155°	417.8	432.4	444.6	454.6	459.2	463.8	469.9	476.8	480.7	481.4
157.5°	399.4	413.2	423.9	433.1	437.7	441.6	446.9	453.1	455.4	456.9
160°	379.5	391.0	400.2	409.4	413.2	417.0	422.4	427.0	430.1	430.8
162.5°	358.0	368.0	375.6	384.1	386.4	389.4	394.8	399.4	401.7	402.5
165°	335.8	345.0	351.9	358.8	360.3	362.6	366.4	371.0	372.6	374.1
167.5°	313.5	321.2	325.8	331.9	334.2	335.8	339.6	342.7	344.2	345.0
170°	292.1	297.4	301.3	305.9	306.6	308.9	311.2	314.3	315.1	315.1
172.5°	275.2	277.5	279.8	281.3	282.1	282.9	284.4	285.2	285.2	285.2
175°	264.5	266.0	266.0	266.8	266.8	266.8	266.8	266.8	266.8	266.8
177.5°	258.3	258.3	258.3	257.6	257.6	257.6	257.6	256.8	256.8	256.8
180°	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8	256.8

(END OF REPORT)