

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: P393788

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

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P393788
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-30L835-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

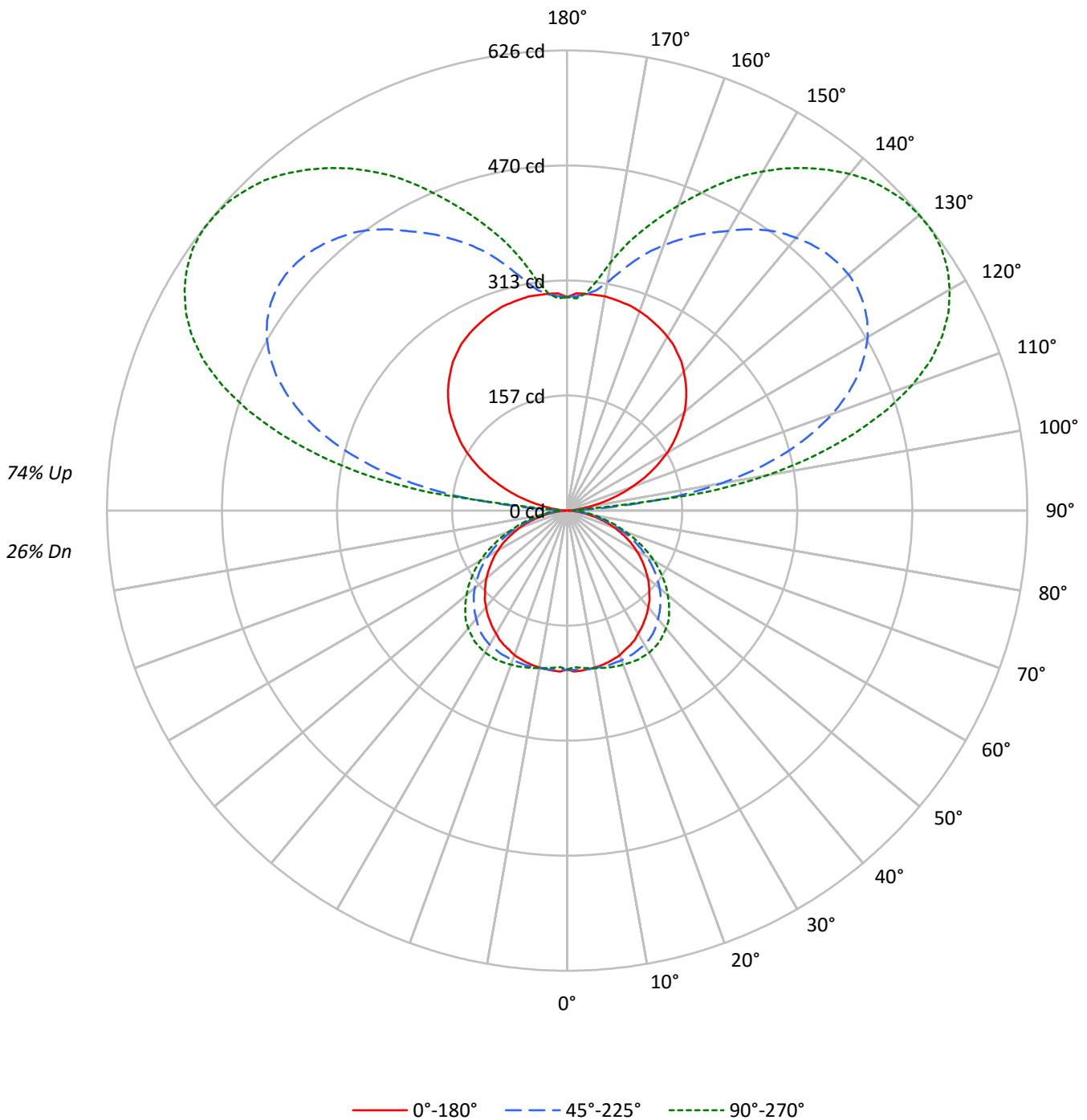
Lumens per Lamp: N/A
Luminaire Lumens: 2848.8 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
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°	1188	1188	1188
5°	1201	1170	1150
10°	1202	1161	1148
15°	1203	1156	1153
20°	1206	1157	1164
25°	1204	1158	1179
30°	1197	1160	1187
35°	1194	1153	1189
40°	1189	1129	1174
45°	1177	1102	1144
50°	1167	1066	1093
55°	1143	1012	1030
60°	1115	941	951
65°	1069	845	843
70°	993	719	714
75°	858	573	573
80°	666	406	419
85°	390	251	282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.7
10°-20°	61.4	2.2
20°-30°	98.5	3.5
30°-40°	126.0	4.4
40°-50°	137.4	4.8
50°-60°	128.7	4.5
60°-70°	99.9	3.5
70°-80°	57.2	2.0
80°-90°	18.3	0.6
90°-100°	73.5	2.6
100°-110°	285.6	10.0
110°-120°	388.9	13.6
120°-130°	403.6	14.2
130°-140°	358.0	12.6
140°-150°	277.8	9.8
150°-160°	185.4	6.5
160°-170°	98.8	3.5
170°-180°	28.9	1.0
0°-30°	180.6	6.3
0°-40°	306.7	10.8
0°-60°	572.8	20.1
0°-90°	748.2	26.3
90°-120°	747.9	26.3
90°-150°	1787.4	62.7
90°-180°	2101.0	73.8
0°-180°	2848.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	216	216	216	216	216	
5°	218	216	217	216	215	21
15°	214	213	218	221	221	60
25°	202	204	215	222	225	93
35°	183	187	204	215	218	115
45°	158	165	179	191	196	122
55°	126	133	146	156	159	113
65°	90	94	102	109	111	88
75°	47	49	54	59	61	50
85°	9	11	16	21	22	11
90°	1	2	5	8	9	1
95°	9	52	71	15	14	12
105°	61	183	310	369	404	65
115°	126	283	437	514	563	125
125°	183	334	492	578	622	164
135°	229	351	497	583	617	177
145°	261	351	466	541	569	164
155°	281	332	413	468	490	130
165°	293	305	351	384	394	83
175°	296	294	295	297	297	28
180°	290	290	290	290	290	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2
2.5°	219.2	218.5	218.5	216.9	216.9	216.2	216.2	216.2	216.2	216.2	216.9
5°	218.5	218.5	217.7	216.9	216.9	216.2	216.2	216.2	216.2	216.2	216.9
7.5°	217.7	217.7	216.9	216.2	216.2	216.2	216.2	216.2	216.2	216.2	217.7
10°	216.9	216.9	216.2	215.4	215.4	215.4	215.4	216.2	216.2	216.2	217.7
12.5°	215.4	214.6	214.6	213.9	213.9	213.9	214.6	214.6	215.4	216.2	217.7
15°	213.9	213.9	213.1	212.3	213.1	213.1	213.1	213.9	214.6	215.4	217.7
17.5°	211.6	211.6	210.8	210.8	210.8	211.6	211.6	212.3	213.9	215.4	216.9
20°	209.3	208.5	208.5	208.5	209.3	209.3	210.0	211.6	212.3	214.6	216.9
22.5°	205.4	206.2	205.4	205.4	206.2	207.0	207.7	209.3	210.8	213.1	215.4
25°	202.4	202.4	202.4	202.4	203.9	203.9	205.4	207.0	209.3	211.6	214.6
27.5°	198.5	198.5	198.5	199.3	200.1	200.8	201.6	203.9	206.2	209.3	212.3
30°	193.2	193.2	193.2	193.2	195.5	196.2	197.8	200.8	203.1	207.0	210.8
32.5°	188.6	188.6	188.6	189.3	190.9	191.6	193.2	197.0	200.1	203.9	207.7
35°	183.2	183.2	184.0	184.0	186.3	187.0	188.6	191.6	194.7	199.3	203.9
37.5°	177.8	177.8	178.6	179.4	180.9	182.4	184.0	187.0	190.1	193.9	198.5
40°	171.7	171.7	172.5	173.2	175.5	177.1	178.6	181.7	184.7	188.6	192.4
42.5°	165.6	165.6	166.3	167.1	169.4	170.9	172.5	176.3	179.4	183.2	186.3
45°	157.9	158.7	159.5	161.0	163.3	164.8	166.3	169.4	173.2	176.3	179.4
47.5°	151.0	151.8	152.6	154.1	156.4	157.9	159.5	162.5	165.6	168.6	172.5
50°	143.4	144.1	144.9	146.4	148.7	150.3	151.8	154.9	157.9	160.2	164.1
52.5°	134.9	135.7	136.5	138.0	141.1	141.8	143.4	146.4	148.7	151.8	154.9
55°	126.5	127.3	128.0	129.6	131.9	133.4	134.2	137.2	139.5	142.6	145.7
57.5°	118.1	118.8	119.6	121.1	122.7	124.2	125.0	127.3	130.3	132.6	135.7
60°	108.9	109.6	110.4	111.2	113.5	114.2	115.0	117.3	119.6	122.7	125.0
62.5°	99.7	99.7	100.4	101.2	103.5	104.3	105.0	106.6	109.6	111.2	113.5
65°	89.7	89.7	90.5	91.2	92.8	93.5	94.3	95.8	98.1	99.7	102.0
67.5°	79.0	79.0	79.7	80.5	82.0	82.8	82.8	85.1	86.6	88.2	89.7
70°	69.0	69.0	69.8	69.8	70.5	71.3	72.1	73.6	74.4	76.7	77.4
72.5°	58.3	58.3	58.3	58.3	59.8	59.8	60.6	62.1	62.9	64.4	65.9
75°	46.8	46.8	47.5	47.5	48.3	49.1	49.8	50.6	52.1	52.9	53.7
77.5°	36.8	36.0	36.8	37.6	38.3	38.3	39.1	39.9	40.6	42.2	42.9
80°	26.1	26.1	26.1	26.8	27.6	27.6	28.4	29.1	29.9	31.4	32.2
82.5°	16.9	16.9	17.6	17.6	18.4	19.2	19.2	19.9	20.7	22.2	23.0
85°	9.2	9.2	9.2	10.0	10.7	10.7	11.5	12.3	13.8	14.6	16.1
87.5°	3.1	3.1	3.8	4.6	5.4	5.4	6.1	6.9	7.7	9.2	10.0
90°	0.8	0.8	0.8	1.5	1.5	2.3	2.3	3.1	3.8	4.6	5.4
92.5°	3.1	5.4	8.4	12.3	11.5	12.3	8.4	5.4	5.4	5.4	6.1
95°	9.2	13.8	22.2	35.3	46.0	52.1	57.5	62.9	73.6	74.4	71.3
97.5°	18.4	25.3	40.6	57.5	76.7	86.6	94.3	110.4	127.3	138.0	151.0
100°	30.7	40.6	60.6	83.6	105.8	118.8	131.1	154.1	174.8	193.2	213.1
102.5°	45.2	56.7	81.3	109.6	137.2	151.8	164.8	191.6	220.0	244.5	266.0
105°	60.6	73.6	102.7	134.9	166.3	183.2	199.3	228.4	258.3	285.2	310.5
107.5°	77.4	91.2	122.7	158.7	193.9	213.1	230.7	262.2	293.6	322.7	349.6
110°	93.5	108.9	141.8	180.9	220.8	239.9	257.6	292.1	325.0	355.7	384.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	110.4	126.5	159.5	202.4	243.0	262.9	281.3	318.1	352.6	384.1	412.4
115°	126.5	141.8	176.3	220.8	262.2	282.9	302.8	340.4	376.4	407.8	437.0
117.5°	141.8	156.4	191.6	236.1	279.0	299.7	319.7	358.8	394.8	427.8	456.1
120°	157.2	170.2	208.5	249.1	292.8	313.5	334.2	373.3	410.1	443.1	472.2
122.5°	170.9	183.2	220.8	260.6	303.6	325.0	345.0	384.8	422.4	455.4	483.7
125°	183.2	194.7	232.3	269.8	312.8	333.5	354.2	393.3	430.8	463.0	492.2
127.5°	195.5	207.0	240.7	279.0	318.9	340.4	360.3	399.4	436.2	469.2	497.5
130°	208.5	216.9	249.1	287.5	325.0	345.0	365.7	403.2	439.3	471.5	499.8
132.5°	219.2	226.9	257.6	294.4	329.6	348.8	367.2	404.8	440.8	471.5	499.0
135°	229.2	235.3	263.7	300.5	333.5	351.1	368.7	404.0	439.3	469.9	496.7
137.5°	238.4	244.5	269.1	305.1	336.5	351.9	368.7	401.7	435.4	466.1	491.4
140°	246.8	251.4	273.7	307.4	338.1	352.6	367.2	397.9	429.3	459.2	484.5
142.5°	255.3	259.1	277.5	308.9	338.8	352.6	366.4	393.3	422.4	451.5	476.8
145°	261.4	265.2	280.6	309.7	338.1	351.1	363.4	388.7	414.7	441.6	466.1
147.5°	268.3	271.4	283.6	308.2	335.8	348.0	359.5	382.5	406.3	430.8	453.8
150°	272.9	276.0	285.2	306.6	331.9	343.4	354.9	376.4	397.9	419.3	439.3
152.5°	277.5	279.8	287.5	304.3	327.3	338.1	348.8	369.5	389.4	408.6	426.2
155°	281.3	283.6	289.0	302.8	322.0	331.9	341.9	361.8	380.2	397.1	413.2
157.5°	285.2	286.7	290.5	300.5	315.8	325.0	334.2	351.9	368.7	385.6	398.6
160°	288.2	289.0	292.1	299.7	310.5	317.4	325.8	341.9	357.2	371.8	384.1
162.5°	291.3	291.3	293.6	298.2	305.9	310.5	316.6	330.4	344.2	357.2	368.7
165°	292.8	292.8	294.4	297.4	302.0	305.1	308.9	318.1	328.9	340.4	351.1
167.5°	294.4	294.4	295.1	296.7	299.7	301.3	302.8	308.9	315.8	324.3	332.7
170°	295.9	295.1	295.1	296.7	297.4	298.2	299.0	302.0	305.1	310.5	315.1
172.5°	295.9	295.1	295.1	295.9	295.9	295.9	295.9	296.7	297.4	300.5	302.0
175°	295.9	295.1	295.1	295.1	295.1	294.4	294.4	294.4	294.4	294.4	295.1
177.5°	295.9	295.1	294.4	294.4	293.6	293.6	292.8	292.8	292.1	292.1	292.1
180°	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2
2.5°	216.9	216.9	216.2	216.2	215.4	215.4	214.6	213.9	213.1	213.1
5°	217.7	216.9	216.2	216.2	216.2	215.4	215.4	215.4	214.6	214.6
7.5°	217.7	217.7	217.7	216.9	216.9	216.9	216.9	216.9	216.2	216.2
10°	218.5	218.5	218.5	218.5	218.5	218.5	218.5	217.7	217.7	217.7
12.5°	218.5	218.5	218.5	219.2	219.2	219.2	219.2	219.2	219.2	219.2
15°	219.2	219.2	220.0	220.0	220.8	220.8	221.5	221.5	221.5	220.8
17.5°	218.5	219.2	220.0	220.8	221.5	221.5	222.3	222.3	222.3	222.3
20°	218.5	220.0	220.8	221.5	222.3	222.3	223.1	223.8	223.8	223.1
22.5°	217.7	219.2	220.0	221.5	222.3	222.3	223.8	223.8	223.8	223.8
25°	216.9	218.5	220.0	221.5	222.3	222.3	223.8	223.8	224.6	224.6
27.5°	215.4	216.9	219.2	220.8	221.5	222.3	223.1	223.8	223.8	223.8
30°	213.1	215.4	217.7	219.2	220.0	220.8	221.5	222.3	223.1	223.1
32.5°	210.0	212.3	214.6	216.9	217.7	218.5	220.0	220.8	220.8	220.8
35°	207.0	209.3	211.6	213.9	214.6	215.4	216.9	217.7	218.5	218.5
37.5°	202.4	204.7	207.0	209.3	210.0	211.6	213.1	213.9	213.9	213.9
40°	195.5	199.3	202.4	204.7	205.4	207.0	207.7	209.3	209.3	209.3
42.5°	189.3	192.4	194.7	197.8	198.5	200.8	202.4	203.1	203.9	203.9
45°	182.4	185.5	187.8	190.1	190.9	192.4	193.9	194.7	195.5	196.2
47.5°	175.5	177.8	180.1	182.4	183.2	184.7	186.3	187.0	187.8	187.8
50°	167.1	169.4	171.7	174.0	174.8	176.3	177.1	177.8	178.6	178.6
52.5°	157.9	160.2	162.5	164.8	165.6	166.3	167.9	168.6	169.4	169.4
55°	148.7	151.0	152.6	154.9	155.6	156.4	157.2	158.7	159.5	158.7
57.5°	138.0	140.3	141.8	144.1	144.9	145.7	146.4	147.2	148.0	148.0
60°	126.5	128.8	131.1	132.6	133.4	134.2	134.9	135.7	136.5	136.5
62.5°	115.0	117.3	118.8	121.1	121.9	121.9	122.7	123.4	124.2	124.2
65°	103.5	105.8	106.6	108.9	108.9	109.6	110.4	111.2	111.2	111.2
67.5°	91.2	93.5	94.3	95.8	95.8	96.6	97.4	98.1	98.1	98.1
70°	79.7	80.5	82.0	82.8	83.6	83.6	84.3	85.1	85.9	85.1
72.5°	67.5	68.2	69.8	70.5	70.5	71.3	71.3	72.1	72.8	72.8
75°	55.2	56.7	57.5	58.3	59.0	59.0	59.8	60.6	60.6	60.6
77.5°	43.7	45.2	46.0	46.8	47.5	47.5	48.3	48.3	49.1	48.3
80°	33.7	34.5	35.3	36.0	36.8	36.8	37.6	38.3	38.3	38.3
82.5°	24.5	25.3	26.8	27.6	27.6	27.6	29.1	29.1	29.9	29.1
85°	16.9	17.6	19.2	19.9	20.7	20.7	20.7	21.5	22.2	21.5
87.5°	10.7	12.3	13.0	13.8	13.8	13.8	14.6	15.3	15.3	15.3
90°	6.1	6.1	6.9	7.7	7.7	8.4	8.4	9.2	9.2	9.2
92.5°	6.1	6.9	6.9	6.9	7.7	7.7	7.7	8.4	8.4	8.4
95°	52.1	37.6	21.5	16.9	14.6	14.6	13.8	14.6	13.8	13.8
97.5°	157.9	170.9	177.1	185.5	190.1	189.3	186.3	189.3	187.0	189.3
100°	224.6	236.9	246.1	248.4	253.0	255.3	263.7	269.8	272.9	276.7
102.5°	279.0	293.6	304.3	310.5	315.1	318.1	328.1	337.3	341.9	345.0
105°	328.9	344.2	357.2	363.4	368.7	371.8	382.5	393.3	400.2	404.0
107.5°	368.7	386.4	400.2	409.4	414.7	420.1	433.1	443.9	452.3	456.1
110°	404.8	422.4	437.0	447.7	453.8	459.2	473.8	486.0	495.2	499.8



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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	434.7	453.8	468.4	479.9	486.0	493.7	507.5	521.3	530.5	535.8
115°	459.2	479.1	494.4	506.7	513.6	520.5	536.6	550.4	559.6	563.4
117.5°	479.9	499.8	515.9	528.2	535.8	543.5	559.6	571.9	581.8	584.9
120°	496.7	516.7	532.8	546.6	554.2	561.1	576.5	589.5	598.7	601.0
122.5°	508.2	528.9	545.8	561.1	568.0	574.9	589.5	602.5	611.0	613.3
125°	516.7	538.1	555.0	571.1	578.0	584.9	598.7	611.7	618.6	621.7
127.5°	522.0	543.5	561.9	577.2	584.9	591.0	604.8	616.3	623.2	625.5
130°	523.6	545.8	564.2	580.3	587.2	593.3	606.4	617.9	624.0	625.5
132.5°	523.6	545.0	564.2	579.5	586.4	592.6	604.8	615.6	621.7	623.2
135°	520.5	541.2	560.4	575.7	582.6	588.7	601.0	610.2	616.3	617.1
137.5°	515.1	535.1	553.5	568.8	575.7	581.8	592.6	602.5	607.9	609.4
140°	508.2	526.6	545.0	559.6	566.5	571.9	582.6	591.0	596.4	597.9
142.5°	499.0	517.4	534.3	548.9	554.2	560.4	569.6	578.0	582.6	584.1
145°	489.1	506.7	522.0	535.1	541.2	546.6	555.0	562.7	567.3	568.8
147.5°	476.1	493.7	508.2	520.5	525.9	531.2	538.9	545.8	550.4	551.9
150°	460.0	476.1	491.4	502.9	508.2	513.6	521.3	527.4	532.0	532.8
152.5°	443.9	459.2	472.2	483.7	489.1	494.4	501.3	507.5	512.8	512.8
155°	428.5	441.6	453.8	463.8	468.4	473.0	479.9	485.3	489.9	489.9
157.5°	412.4	424.7	434.7	443.9	447.7	451.5	457.7	462.3	466.1	465.3
160°	397.1	406.3	415.5	423.2	427.0	430.1	434.7	438.5	442.3	441.6
162.5°	380.2	388.7	396.3	401.7	404.8	407.1	411.7	415.5	417.8	417.8
165°	361.1	368.7	375.6	381.0	384.1	385.6	389.4	391.7	394.0	394.0
167.5°	341.1	347.3	353.4	358.0	361.1	362.6	366.4	368.0	371.0	370.3
170°	321.2	325.8	330.4	334.2	335.8	337.3	340.4	341.9	343.4	343.4
172.5°	305.1	306.6	308.9	312.0	312.0	312.8	314.3	315.1	315.8	315.8
175°	295.9	296.7	296.7	296.7	296.7	296.7	297.4	296.7	297.4	296.7
177.5°	292.1	292.1	291.3	291.3	290.5	291.3	290.5	289.8	289.8	289.0
180°	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5

(END OF REPORT)