

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: P393787

Luminaire Tested: **I3-CL-30L830-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P393787
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-30L830-1D-UNV-STD-W-4
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

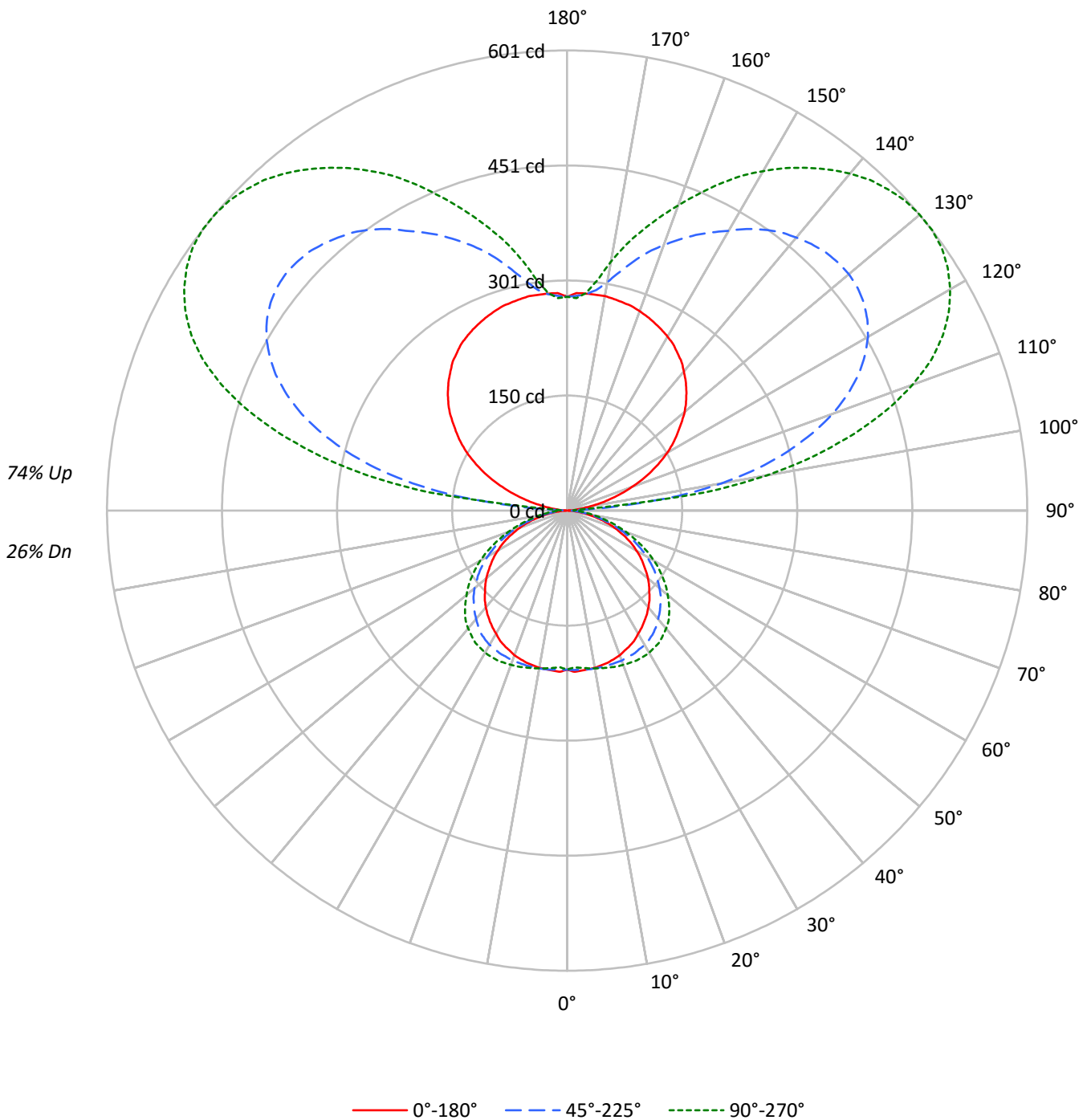
Lumens per Lamp: N/A
Luminaire Lumens: 2737.7 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 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°	1142	1142	1142
5°	1154	1124	1106
10°	1155	1115	1103
15°	1156	1111	1108
20°	1158	1112	1118
25°	1157	1113	1133
30°	1150	1115	1141
35°	1147	1109	1142
40°	1143	1085	1128
45°	1132	1059	1100
50°	1121	1024	1050
55°	1099	972	990
60°	1071	904	914
65°	1027	812	810
70°	954	691	686
75°	823	550	551
80°	637	390	403
85°	373	242	270



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	0.7
10°-20°	59.1	2.2
20°-30°	94.7	3.5
30°-40°	121.1	4.4
40°-50°	132.0	4.8
50°-60°	123.7	4.5
60°-70°	96.0	3.5
70°-80°	55.0	2.0
80°-90°	17.6	0.6
90°-100°	70.6	2.6
100°-110°	274.5	10.0
110°-120°	373.7	13.6
120°-130°	387.9	14.2
130°-140°	344.1	12.6
140°-150°	267.0	9.8
150°-160°	178.2	6.5
160°-170°	95.0	3.5
170°-180°	27.8	1.0
0°-30°	173.6	6.3
0°-40°	294.7	10.8
0°-60°	550.4	20.1
0°-90°	719.0	26.3
90°-120°	718.8	26.3
90°-150°	1717.7	62.7
90°-180°	2019.0	73.7
0°-180°	2737.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	208	208	208	208	208	
5°	210	208	208	208	206	20
15°	206	205	209	212	212	58
25°	194	196	206	214	216	90
35°	176	180	196	206	210	110
45°	152	158	172	183	189	117
55°	122	128	140	150	152	109
65°	86	90	98	105	107	85
75°	45	47	52	57	58	48
85°	9	10	16	20	21	11
90°	1	2	5	7	9	1
95°	9	50	68	14	13	12
105°	58	176	298	354	388	62
115°	122	272	420	494	542	120
125°	176	320	473	556	598	157
135°	220	337	477	560	593	170
145°	251	337	448	520	547	157
155°	270	319	397	450	471	125
165°	281	293	337	369	379	80
175°	284	283	284	285	285	27
180°	279	279	279	279	279	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7
2.5°	210.7	210.0	210.0	208.5	208.5	207.7	207.7	207.7	207.7	207.7	208.5
5°	210.0	210.0	209.2	208.5	208.5	207.7	207.7	207.7	207.7	207.7	208.5
7.5°	209.2	209.2	208.5	207.7	207.7	207.7	207.7	207.7	207.7	207.7	209.2
10°	208.5	208.5	207.7	207.0	207.0	207.0	207.0	207.7	207.7	207.7	209.2
12.5°	207.0	206.3	206.3	205.5	205.5	205.5	206.3	206.3	207.0	207.7	209.2
15°	205.5	205.5	204.8	204.1	204.8	204.8	204.8	205.5	206.3	207.0	209.2
17.5°	203.3	203.3	202.6	202.6	202.6	203.3	203.3	204.1	205.5	207.0	208.5
20°	201.1	200.4	200.4	200.4	201.1	201.1	201.9	203.3	204.1	206.3	208.5
22.5°	197.4	198.2	197.4	197.4	198.2	198.9	199.6	201.1	202.6	204.8	207.0
25°	194.5	194.5	194.5	194.5	196.0	196.0	197.4	198.9	201.1	203.3	206.3
27.5°	190.8	190.8	190.8	191.5	192.3	193.0	193.8	196.0	198.2	201.1	204.1
30°	185.6	185.6	185.6	185.6	187.9	188.6	190.1	193.0	195.2	198.9	202.6
32.5°	181.2	181.2	181.2	182.0	183.4	184.2	185.6	189.3	192.3	196.0	199.6
35°	176.1	176.1	176.8	176.8	179.0	179.8	181.2	184.2	187.1	191.5	196.0
37.5°	170.9	170.9	171.6	172.4	173.9	175.3	176.8	179.8	182.7	186.4	190.8
40°	165.0	165.0	165.8	166.5	168.7	170.2	171.6	174.6	177.5	181.2	184.9
42.5°	159.1	159.1	159.9	160.6	162.8	164.3	165.8	169.4	172.4	176.1	179.0
45°	151.8	152.5	153.2	154.7	156.9	158.4	159.9	162.8	166.5	169.4	172.4
47.5°	145.1	145.9	146.6	148.1	150.3	151.8	153.2	156.2	159.1	162.1	165.8
50°	137.8	138.5	139.2	140.7	142.9	144.4	145.9	148.8	151.8	154.0	157.7
52.5°	129.7	130.4	131.1	132.6	135.6	136.3	137.8	140.7	142.9	145.9	148.8
55°	121.6	122.3	123.0	124.5	126.7	128.2	128.9	131.9	134.1	137.0	140.0
57.5°	113.5	114.2	114.9	116.4	117.9	119.3	120.1	122.3	125.2	127.4	130.4
60°	104.6	105.3	106.1	106.8	109.0	109.8	110.5	112.7	114.9	117.9	120.1
62.5°	95.8	95.8	96.5	97.2	99.5	100.2	100.9	102.4	105.3	106.8	109.0
65°	86.2	86.2	86.9	87.7	89.1	89.9	90.6	92.1	94.3	95.8	98.0
67.5°	75.9	75.9	76.6	77.4	78.8	79.6	79.6	81.8	83.2	84.7	86.2
70°	66.3	66.3	67.0	67.0	67.8	68.5	69.2	70.7	71.5	73.7	74.4
72.5°	56.0	56.0	56.0	56.0	57.5	57.5	58.2	59.7	60.4	61.9	63.4
75°	44.9	44.9	45.7	45.7	46.4	47.1	47.9	48.6	50.1	50.8	51.6
77.5°	35.4	34.6	35.4	36.1	36.8	36.8	37.6	38.3	39.0	40.5	41.3
80°	25.0	25.0	25.0	25.8	26.5	26.5	27.3	28.0	28.7	30.2	30.9
82.5°	16.2	16.2	16.9	16.9	17.7	18.4	18.4	19.2	19.9	21.4	22.1
85°	8.8	8.8	8.8	9.6	10.3	10.3	11.1	11.8	13.3	14.0	15.5
87.5°	2.9	2.9	3.7	4.4	5.2	5.2	5.9	6.6	7.4	8.8	9.6
90°	0.7	0.7	0.7	1.5	1.5	2.2	2.2	2.9	3.7	4.4	5.2
92.5°	2.9	5.2	8.1	11.8	11.1	11.8	8.1	5.2	5.2	5.2	5.9
95°	8.8	13.3	21.4	33.9	44.2	50.1	55.3	60.4	70.7	71.5	68.5
97.5°	17.7	24.3	39.0	55.3	73.7	83.2	90.6	106.1	122.3	132.6	145.1
100°	29.5	39.0	58.2	80.3	101.7	114.2	126.0	148.1	168.0	185.6	204.8
102.5°	43.5	54.5	78.1	105.3	131.9	145.9	158.4	184.2	211.4	235.0	255.6
105°	58.2	70.7	98.7	129.7	159.9	176.1	191.5	219.5	248.3	274.0	298.4
107.5°	74.4	87.7	117.9	152.5	186.4	204.8	221.7	251.9	282.2	310.1	335.9
110°	89.9	104.6	136.3	173.9	212.2	230.6	247.5	280.7	312.4	341.8	369.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	106.1	121.6	153.2	194.5	233.5	252.7	270.4	305.7	338.9	369.1	396.3
115°	121.6	136.3	169.4	212.2	251.9	271.8	291.0	327.1	361.7	391.9	419.9
117.5°	136.3	150.3	184.2	226.9	268.2	288.0	307.2	344.8	379.4	411.1	438.3
120°	151.0	163.5	200.4	239.4	281.4	301.3	321.2	358.8	394.1	425.8	453.8
122.5°	164.3	176.1	212.2	250.5	291.7	312.4	331.5	369.8	405.9	437.6	464.9
125°	176.1	187.1	223.2	259.3	300.6	320.5	340.4	377.9	414.0	445.0	473.0
127.5°	187.9	198.9	231.3	268.2	306.5	327.1	346.2	383.8	419.2	450.9	478.1
130°	200.4	208.5	239.4	276.3	312.4	331.5	351.4	387.5	422.1	453.1	480.3
132.5°	210.7	218.1	247.5	282.9	316.8	335.2	352.9	389.0	423.6	453.1	479.6
135°	220.3	226.2	253.4	288.8	320.5	337.4	354.3	388.2	422.1	451.6	477.4
137.5°	229.1	235.0	258.6	293.2	323.4	338.1	354.3	386.0	418.4	447.9	472.2
140°	237.2	241.6	263.0	295.4	324.9	338.9	352.9	382.3	412.5	441.3	465.6
142.5°	245.3	249.0	266.7	296.9	325.6	338.9	352.1	377.9	405.9	433.9	458.2
145°	251.2	254.9	269.6	297.6	324.9	337.4	349.2	373.5	398.6	424.3	447.9
147.5°	257.8	260.8	272.6	296.2	322.7	334.5	345.5	367.6	390.4	414.0	436.1
150°	262.3	265.2	274.0	294.7	319.0	330.0	341.1	361.7	382.3	403.0	422.1
152.5°	266.7	268.9	276.3	292.5	314.6	324.9	335.2	355.1	374.2	392.7	409.6
155°	270.4	272.6	277.7	291.0	309.4	319.0	328.6	347.7	365.4	381.6	397.1
157.5°	274.0	275.5	279.2	288.8	303.5	312.4	321.2	338.1	354.3	370.6	383.1
160°	277.0	277.7	280.7	288.0	298.4	305.0	313.1	328.6	343.3	357.3	369.1
162.5°	279.9	279.9	282.2	286.6	293.9	298.4	304.3	317.5	330.8	343.3	354.3
165°	281.4	281.4	282.9	285.8	290.3	293.2	296.9	305.7	316.0	327.1	337.4
167.5°	282.9	282.9	283.6	285.1	288.0	289.5	291.0	296.9	303.5	311.6	319.7
170°	284.4	283.6	283.6	285.1	285.8	286.6	287.3	290.3	293.2	298.4	302.8
172.5°	284.4	283.6	283.6	284.4	284.4	284.4	284.4	285.1	285.8	288.8	290.3
175°	284.4	283.6	283.6	283.6	283.6	282.9	282.9	282.9	282.9	282.9	283.6
177.5°	284.4	283.6	282.9	282.9	282.2	282.2	281.4	281.4	280.7	280.7	280.7
180°	279.2	279.2	279.2	279.2	279.2	279.2	279.2	279.2	279.2	279.2	279.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7	207.7
2.5°	208.5	208.5	207.7	207.7	207.0	207.0	206.3	205.5	204.8	204.8
5°	209.2	208.5	207.7	207.7	207.7	207.0	207.0	207.0	206.3	206.3
7.5°	209.2	209.2	209.2	208.5	208.5	208.5	208.5	208.5	207.7	207.7
10°	210.0	210.0	210.0	210.0	210.0	210.0	210.0	209.2	209.2	209.2
12.5°	210.0	210.0	210.0	210.7	210.7	210.7	210.7	210.7	210.7	210.7
15°	210.7	210.7	211.4	211.4	212.2	212.2	212.9	212.9	212.9	212.2
17.5°	210.0	210.7	211.4	212.2	212.9	212.9	213.6	213.6	213.6	213.6
20°	210.0	211.4	212.2	212.9	213.6	213.6	214.4	215.1	215.1	214.4
22.5°	209.2	210.7	211.4	212.9	213.6	213.6	215.1	215.1	215.1	215.1
25°	208.5	210.0	211.4	212.9	213.6	213.6	215.1	215.1	215.9	215.9
27.5°	207.0	208.5	210.7	212.2	212.9	213.6	214.4	215.1	215.1	215.1
30°	204.8	207.0	209.2	210.7	211.4	212.2	212.9	213.6	214.4	214.4
32.5°	201.9	204.1	206.3	208.5	209.2	210.0	211.4	212.2	212.2	212.2
35°	198.9	201.1	203.3	205.5	206.3	207.0	208.5	209.2	210.0	210.0
37.5°	194.5	196.7	198.9	201.1	201.9	203.3	204.8	205.5	205.5	205.5
40°	187.9	191.5	194.5	196.7	197.4	198.9	199.6	201.1	201.1	201.1
42.5°	182.0	184.9	187.1	190.1	190.8	193.0	194.5	195.2	196.0	196.0
45°	175.3	178.3	180.5	182.7	183.4	184.9	186.4	187.1	187.9	188.6
47.5°	168.7	170.9	173.1	175.3	176.1	177.5	179.0	179.8	180.5	180.5
50°	160.6	162.8	165.0	167.2	168.0	169.4	170.2	170.9	171.6	171.6
52.5°	151.8	154.0	156.2	158.4	159.1	159.9	161.3	162.1	162.8	162.8
55°	142.9	145.1	146.6	148.8	149.5	150.3	151.0	152.5	153.2	152.5
57.5°	132.6	134.8	136.3	138.5	139.2	140.0	140.7	141.4	142.2	142.2
60°	121.6	123.8	126.0	127.4	128.2	128.9	129.7	130.4	131.1	131.1
62.5°	110.5	112.7	114.2	116.4	117.1	117.1	117.9	118.6	119.3	119.3
65°	99.5	101.7	102.4	104.6	104.6	105.3	106.1	106.8	106.8	106.8
67.5°	87.7	89.9	90.6	92.1	92.1	92.8	93.6	94.3	94.3	94.3
70°	76.6	77.4	78.8	79.6	80.3	80.3	81.0	81.8	82.5	81.8
72.5°	64.8	65.6	67.0	67.8	67.8	68.5	68.5	69.2	70.0	70.0
75°	53.0	54.5	55.3	56.0	56.7	56.7	57.5	58.2	58.2	58.2
77.5°	42.0	43.5	44.2	44.9	45.7	45.7	46.4	46.4	47.1	46.4
80°	32.4	33.2	33.9	34.6	35.4	35.4	36.1	36.8	36.8	36.8
82.5°	23.6	24.3	25.8	26.5	26.5	26.5	28.0	28.0	28.7	28.0
85°	16.2	16.9	18.4	19.2	19.9	19.9	19.9	20.6	21.4	20.6
87.5°	10.3	11.8	12.5	13.3	13.3	13.3	14.0	14.7	14.7	14.7
90°	5.9	5.9	6.6	7.4	7.4	8.1	8.1	8.8	8.8	8.8
92.5°	5.9	6.6	6.6	6.6	7.4	7.4	7.4	8.1	8.1	8.1
95°	50.1	36.1	20.6	16.2	14.0	14.0	13.3	14.0	13.3	13.3
97.5°	151.8	164.3	170.2	178.3	182.7	182.0	179.0	182.0	179.8	182.0
100°	215.9	227.6	236.5	238.7	243.1	245.3	253.4	259.3	262.3	265.9
102.5°	268.2	282.2	292.5	298.4	302.8	305.7	315.3	324.1	328.6	331.5
105°	316.0	330.8	343.3	349.2	354.3	357.3	367.6	377.9	384.6	388.2
107.5°	354.3	371.3	384.6	393.4	398.6	403.7	416.2	426.5	434.6	438.3
110°	389.0	405.9	419.9	430.2	436.1	441.3	455.3	467.1	475.9	480.3



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CATALOG NUMBER: I3-CL-30L830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	417.7	436.1	450.1	461.2	467.1	474.4	487.7	501.0	509.8	514.9
115°	441.3	460.4	475.2	487.0	493.6	500.2	515.7	528.9	537.8	541.5
117.5°	461.2	480.3	495.8	507.6	514.9	522.3	537.8	549.6	559.1	562.1
120°	477.4	496.5	512.0	525.3	532.6	539.3	554.0	566.5	575.4	577.6
122.5°	488.4	508.3	524.5	539.3	545.9	552.5	566.5	579.0	587.1	589.4
125°	496.5	517.2	533.4	548.8	555.5	562.1	575.4	587.9	594.5	597.5
127.5°	501.7	522.3	540.0	554.7	562.1	568.0	581.3	592.3	598.9	601.1
130°	503.2	524.5	542.2	557.7	564.3	570.2	582.7	593.8	599.7	601.1
132.5°	503.2	523.8	542.2	556.9	563.6	569.5	581.3	591.6	597.5	598.9
135°	500.2	520.1	538.5	553.3	559.9	565.8	577.6	586.4	592.3	593.0
137.5°	495.1	514.2	531.9	546.6	553.3	559.1	569.5	579.0	584.2	585.7
140°	488.4	506.1	523.8	537.8	544.4	549.6	559.9	568.0	573.1	574.6
142.5°	479.6	497.3	513.5	527.5	532.6	538.5	547.4	555.5	559.9	561.4
145°	470.0	487.0	501.7	514.2	520.1	525.3	533.4	540.7	545.2	546.6
147.5°	457.5	474.4	488.4	500.2	505.4	510.5	517.9	524.5	528.9	530.4
150°	442.0	457.5	472.2	483.3	488.4	493.6	501.0	506.8	511.3	512.0
152.5°	426.5	441.3	453.8	464.9	470.0	475.2	481.8	487.7	492.8	492.8
155°	411.8	424.3	436.1	445.7	450.1	454.5	461.2	466.3	470.7	470.7
157.5°	396.3	408.1	417.7	426.5	430.2	433.9	439.8	444.2	447.9	447.2
160°	381.6	390.4	399.3	406.7	410.3	413.3	417.7	421.4	425.1	424.3
162.5°	365.4	373.5	380.9	386.0	389.0	391.2	395.6	399.3	401.5	401.5
165°	347.0	354.3	361.0	366.1	369.1	370.6	374.2	376.4	378.7	378.7
167.5°	327.8	333.7	339.6	344.0	347.0	348.5	352.1	353.6	356.6	355.8
170°	308.7	313.1	317.5	321.2	322.7	324.1	327.1	328.6	330.0	330.0
172.5°	293.2	294.7	296.9	299.8	299.8	300.6	302.0	302.8	303.5	303.5
175°	284.4	285.1	285.1	285.1	285.1	285.1	285.8	285.1	285.8	285.1
177.5°	280.7	280.7	279.9	279.9	279.2	279.9	279.2	278.5	278.5	277.7
180°	279.2	279.2	279.2	279.2	279.2	279.2	279.2	279.2	279.2	279.2

(END OF REPORT)