

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: P395057

Luminaire Tested: **I3-UL-30L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395057
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-30L930-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
3000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

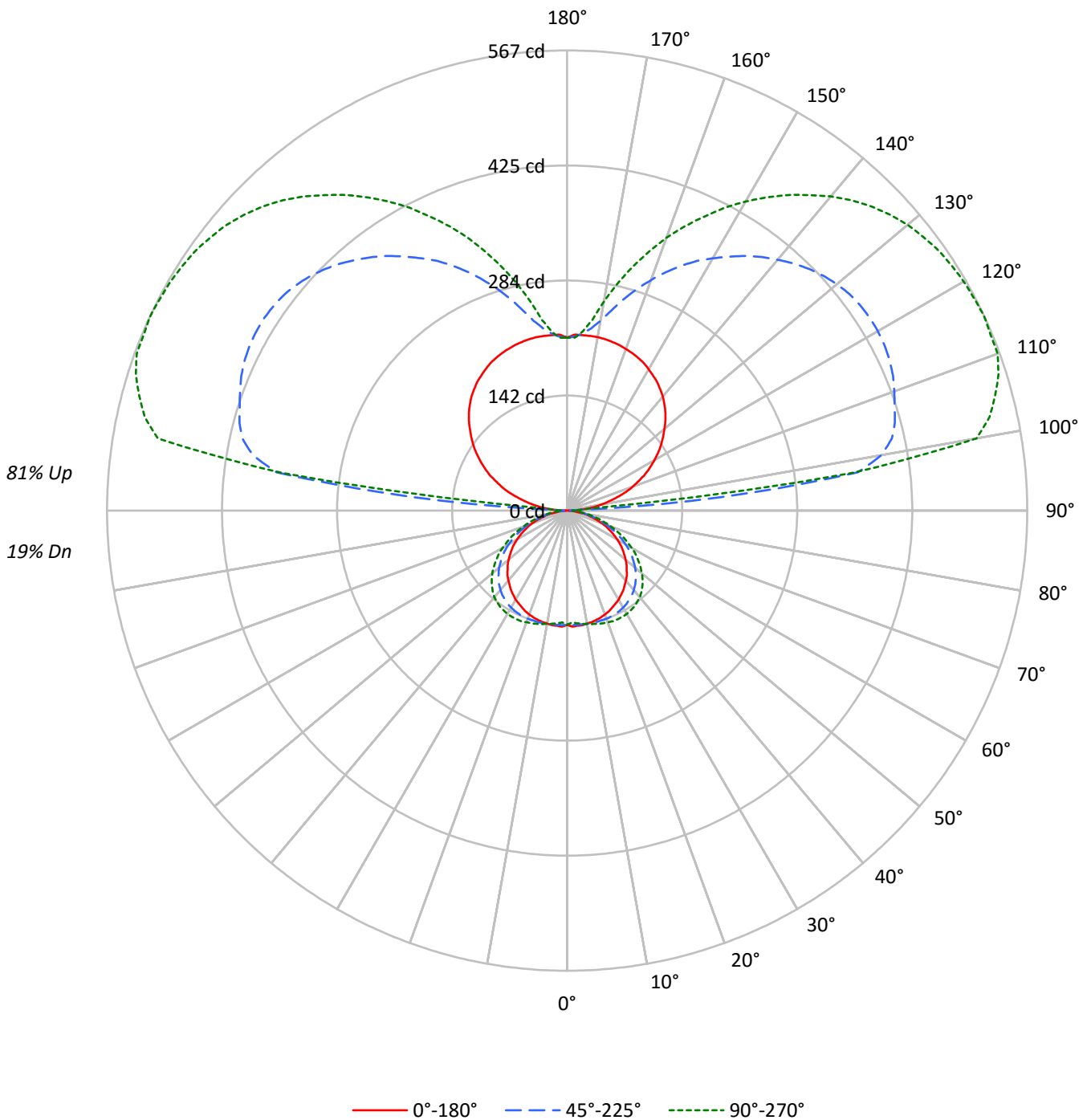
Lumens per Lamp: N/A
Luminaire Lumens: 2581.8 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (A_{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	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°	773	773	773
5°	783	762	747
10°	783	756	747
15°	784	753	754
20°	785	756	763
25°	783	759	775
30°	785	759	782
35°	784	756	786
40°	780	750	782
45°	774	734	764
50°	767	711	736
55°	753	677	694
60°	730	627	638
65°	697	559	570
70°	659	485	481
75°	572	380	386
80°	454	274	279
85°	272	159	184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.5
10°-20°	40.1	1.6
20°-30°	64.5	2.5
30°-40°	83.1	3.2
40°-50°	91.2	3.5
50°-60°	85.8	3.3
60°-70°	66.6	2.6
70°-80°	38.2	1.5
80°-90°	12.3	0.5
90°-100°	165.0	6.4
100°-110°	392.2	15.2
110°-120°	394.0	15.3
120°-130°	361.3	14.0
130°-140°	302.1	11.7
140°-150°	226.8	8.8
150°-160°	147.6	5.7
160°-170°	76.0	2.9
170°-180°	21.5	0.8
0°-30°	118.1	4.6
0°-40°	201.2	7.8
0°-60°	378.2	14.6
0°-90°	495.3	19.2
90°-120°	951.2	36.8
90°-150°	1841.4	71.3
90°-180°	2087.0	80.8
0°-180°	2581.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	141	141	141	141	141	
5°	142	141	141	141	139	14
15°	139	139	142	144	144	39
25°	132	133	141	146	148	61
35°	120	123	134	142	144	75
45°	104	109	120	129	131	80
55°	83	88	97	104	107	74
65°	58	62	68	73	75	58
75°	31	32	36	39	41	33
85°	6	8	10	13	14	8
90°	1	2	4	6	6	2
95°	22	184	190	26	22	22
105°	64	248	418	515	546	68
115°	106	279	438	533	567	104
125°	141	291	441	528	559	126
135°	171	290	421	501	530	132
145°	193	277	383	450	475	121
155°	207	254	333	381	400	96
165°	215	230	270	299	310	61
175°	217	216	219	221	221	21
180°	213	213	213	213	213	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	143.2	142.5	141.8	141.8	141.3	141.3	141.3	140.6	140.6	140.6	141.3
5°	142.5	142.5	141.8	141.3	141.3	141.3	140.6	140.6	140.6	140.6	141.3
7.5°	142.5	141.8	141.3	141.3	140.6	140.6	140.6	140.6	140.6	140.6	141.3
10°	141.3	141.3	140.6	140.6	139.9	140.6	140.6	140.6	140.6	140.6	141.8
12.5°	140.6	140.6	139.9	139.4	139.4	139.4	139.9	139.9	139.9	140.6	141.8
15°	139.4	139.4	138.7	138.7	138.7	138.7	139.4	139.4	139.9	140.6	141.8
17.5°	138.0	138.0	137.4	137.4	137.4	138.0	138.0	138.7	139.4	140.6	141.8
20°	136.2	136.2	136.2	136.2	136.2	136.8	136.8	137.4	138.7	139.9	141.8
22.5°	134.3	134.3	134.3	134.3	134.3	134.9	135.5	136.8	137.4	139.4	141.3
25°	131.7	131.7	131.7	131.7	132.4	133.0	133.6	134.9	136.2	138.0	140.6
27.5°	129.1	129.8	129.8	129.8	130.5	131.1	131.7	133.0	134.9	137.4	139.4
30°	126.7	126.7	126.7	127.2	127.9	128.6	129.8	131.1	133.0	135.5	138.0
32.5°	123.4	123.4	124.1	124.1	125.3	126.0	127.2	129.1	131.1	133.6	136.2
35°	120.3	120.3	120.3	121.5	122.2	123.4	124.1	126.0	128.6	131.1	133.6
37.5°	116.4	117.1	117.1	117.7	119.0	120.3	120.9	123.4	126.0	128.6	131.1
40°	112.6	113.3	113.3	113.9	115.8	116.4	117.7	120.3	122.2	125.3	127.9
42.5°	108.8	108.8	109.5	110.1	112.0	112.6	113.9	116.4	119.0	121.5	124.1
45°	103.8	104.3	105.0	105.7	107.6	108.8	110.1	112.0	114.5	117.1	119.6
47.5°	99.3	99.3	99.9	101.2	103.1	104.3	105.0	107.6	109.5	112.0	114.5
50°	94.2	94.8	94.8	96.1	98.0	99.3	99.9	102.4	104.3	106.9	109.5
52.5°	88.5	89.1	89.7	91.0	92.9	94.2	94.8	96.7	98.6	101.2	103.1
55°	83.3	84.0	84.0	85.2	87.1	87.8	89.1	90.4	92.9	94.8	97.4
57.5°	77.6	78.3	78.3	79.5	80.8	82.1	82.8	84.7	86.6	88.5	90.4
60°	71.3	71.9	72.5	73.2	74.5	75.7	76.4	77.6	79.5	81.4	83.3
62.5°	64.9	65.6	66.2	66.8	68.1	68.7	69.4	71.3	72.5	74.5	75.7
65°	58.5	59.2	59.8	60.4	61.1	61.8	62.3	63.7	64.9	66.8	67.5
67.5°	52.2	52.8	52.8	53.5	54.1	54.7	55.4	56.6	57.3	59.2	59.8
70°	45.8	45.8	45.8	46.5	46.5	47.1	47.7	49.0	49.6	50.9	52.2
72.5°	38.2	38.8	38.8	38.8	39.4	40.1	40.8	41.3	42.0	42.7	43.9
75°	31.2	31.8	31.2	31.8	32.5	32.5	33.1	33.7	34.4	35.0	35.6
77.5°	24.8	24.2	24.8	24.8	25.5	25.5	25.5	26.1	27.4	27.4	28.6
80°	17.8	17.8	17.8	17.8	18.4	18.4	19.1	19.1	20.3	21.0	21.7
82.5°	11.5	11.5	12.1	12.1	12.1	12.7	12.7	13.4	14.0	14.6	15.3
85°	6.4	6.4	6.4	7.0	7.0	7.6	7.6	8.3	8.9	9.5	10.2
87.5°	1.9	2.6	3.2	3.2	3.8	3.8	4.5	4.5	5.7	6.4	7.0
90°	0.7	0.7	1.2	1.2	1.2	1.9	1.9	2.6	2.6	3.2	3.8
92.5°	10.8	25.5	52.8	78.9	68.1	63.7	38.2	11.5	10.2	10.8	10.8
95°	22.2	42.0	77.0	124.7	161.6	184.5	199.8	229.1	259.0	253.9	189.6
97.5°	32.5	54.1	92.9	136.8	187.7	213.8	233.5	268.5	306.7	338.5	361.4
100°	42.7	64.9	106.2	152.1	199.1	222.7	245.6	293.3	330.8	362.7	393.3
102.5°	53.5	75.7	118.4	166.1	212.5	235.4	257.7	299.7	341.7	379.9	409.8
105°	64.2	87.1	129.1	178.1	224.6	247.5	269.2	309.3	348.0	383.7	418.0
107.5°	75.7	97.4	138.7	187.7	234.1	257.1	278.7	318.8	356.3	391.9	423.1
110°	85.9	106.9	148.2	196.6	243.0	265.9	287.6	327.7	364.6	398.3	428.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	95.4	115.8	157.1	204.3	250.1	273.0	294.0	334.1	370.9	404.0	434.6
115°	106.2	124.1	166.1	211.2	256.4	278.7	299.7	339.1	376.1	408.5	438.4
117.5°	115.2	132.4	173.7	217.0	261.5	283.1	303.5	343.0	379.2	411.7	440.9
120°	124.1	139.9	180.7	222.0	265.4	286.3	306.7	345.5	381.8	413.6	442.2
122.5°	133.0	147.6	186.4	227.2	268.5	289.5	309.3	347.4	383.0	414.2	442.2
125°	141.3	154.0	191.5	231.0	270.4	290.7	309.8	347.4	382.4	412.9	440.9
127.5°	148.9	160.9	195.3	234.8	271.7	291.4	309.8	346.1	381.1	411.0	438.4
130°	156.5	167.3	199.1	236.7	273.0	290.7	308.6	343.6	378.0	407.9	433.9
132.5°	164.2	174.3	202.4	238.6	273.6	290.7	307.3	341.0	374.2	403.4	428.2
135°	171.1	179.4	205.5	239.9	273.0	289.5	304.8	336.6	368.4	397.1	421.2
137.5°	177.5	184.5	208.1	240.5	272.3	287.6	302.9	331.5	361.4	389.4	412.9
140°	183.3	189.6	209.3	240.5	269.8	285.0	299.0	326.4	353.7	380.5	403.4
142.5°	188.3	194.1	211.2	239.2	267.3	281.9	295.2	321.3	346.1	371.6	393.8
145°	193.4	197.9	212.5	238.6	264.0	277.4	290.2	315.0	339.1	362.0	383.0
147.5°	197.2	201.7	213.8	236.1	260.2	272.3	284.4	307.9	330.3	351.8	370.9
150°	201.0	204.8	214.4	233.5	255.8	266.6	277.4	299.7	321.3	341.0	358.9
152.5°	204.8	207.4	216.3	231.0	250.7	260.9	271.7	291.4	311.2	329.6	346.8
155°	207.4	209.3	217.0	228.4	245.6	254.5	263.4	281.9	299.7	316.9	332.7
157.5°	210.0	211.9	217.6	226.5	239.9	248.2	255.8	271.7	288.3	303.5	318.1
160°	211.9	213.1	217.6	225.3	234.8	240.5	247.5	262.1	276.1	289.5	302.2
162.5°	213.8	214.4	217.6	223.4	230.3	234.1	239.2	250.7	263.4	274.9	286.3
165°	215.1	215.7	217.6	222.0	226.5	229.7	232.2	240.5	250.1	260.2	269.8
167.5°	216.3	216.3	217.6	220.8	223.4	225.3	227.2	231.6	238.0	245.6	252.6
170°	217.0	217.0	217.6	219.5	221.4	222.0	223.4	225.8	229.1	232.9	237.3
172.5°	217.0	217.0	217.0	218.2	218.9	218.9	218.9	220.1	222.0	224.6	226.5
175°	217.0	216.3	216.3	217.0	216.3	216.3	216.3	216.3	217.0	218.2	218.9
177.5°	217.0	216.3	215.7	215.7	215.1	215.1	214.4	214.4	214.4	214.4	214.4
180°	213.1	213.1	213.1	213.1	213.1	213.1	213.1	213.1	213.1	213.1	213.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	141.3	141.3	140.6	139.9	139.9	139.9	139.4	138.7	138.0	138.0
5°	141.3	141.3	140.6	140.6	140.6	140.6	139.9	139.9	139.4	139.4
7.5°	141.8	141.3	141.3	141.3	141.3	141.3	141.3	141.3	140.6	140.6
10°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
12.5°	142.5	142.5	142.5	142.5	143.2	143.2	143.2	143.2	143.2	143.2
15°	142.5	143.2	143.8	143.8	143.8	144.4	144.4	144.4	144.4	144.4
17.5°	143.2	143.8	144.4	144.4	145.1	145.1	145.7	145.7	145.7	145.7
20°	143.2	143.8	144.4	145.1	145.7	145.7	146.3	147.0	147.0	146.3
22.5°	142.5	143.8	144.4	145.1	145.7	146.3	147.0	147.6	147.6	147.6
25°	141.8	143.2	144.4	145.7	145.7	146.3	147.6	147.6	147.6	147.6
27.5°	141.3	142.5	143.8	145.1	145.7	146.3	147.0	147.6	147.6	147.6
30°	139.9	141.8	143.2	144.4	145.1	145.7	146.3	147.0	147.0	147.0
32.5°	138.0	139.9	141.3	143.2	143.8	144.4	145.1	145.7	145.7	145.7
35°	136.2	138.0	139.4	141.3	141.8	142.5	143.8	143.8	144.4	144.4
37.5°	133.0	135.5	136.8	138.7	139.4	139.9	141.3	141.8	141.8	141.8
40°	129.8	132.4	133.6	135.5	136.2	136.8	138.0	138.7	139.4	139.4
42.5°	126.0	128.6	129.8	131.7	132.4	133.0	134.3	134.9	135.5	135.5
45°	122.2	124.1	125.3	127.2	128.6	128.6	129.8	130.5	131.1	131.1
47.5°	117.1	119.0	120.3	122.2	123.4	124.1	124.7	125.3	126.0	126.0
50°	111.4	113.3	115.2	116.4	117.7	117.7	119.0	119.6	120.3	120.3
52.5°	105.7	106.9	108.8	110.7	111.4	112.0	112.6	113.3	113.9	113.9
55°	99.3	100.5	102.4	103.8	104.3	105.0	105.7	106.2	106.9	106.9
57.5°	92.3	93.5	95.4	96.7	97.4	98.0	98.6	99.3	99.9	99.9
60°	84.7	85.9	87.8	89.1	89.7	89.7	91.0	91.6	91.6	91.6
62.5°	77.0	78.3	79.5	80.8	81.4	82.1	82.8	83.3	83.3	83.3
65°	69.4	70.6	71.9	72.5	73.2	73.2	73.8	74.5	75.1	75.1
67.5°	61.1	62.3	63.7	64.2	64.9	64.9	65.6	66.2	66.2	66.2
70°	52.8	53.5	54.7	55.4	56.0	56.0	57.3	57.3	57.3	57.3
72.5°	44.6	45.2	46.5	47.1	47.7	47.7	48.4	49.0	49.0	49.0
75°	36.9	37.5	38.2	39.4	39.4	39.4	40.1	40.8	40.8	40.8
77.5°	29.3	29.9	30.5	31.2	31.8	31.8	32.5	33.1	33.1	33.1
80°	22.2	22.9	23.6	24.2	24.2	24.8	24.8	25.5	25.5	25.5
82.5°	15.9	16.5	17.2	17.8	18.4	18.4	19.1	19.8	19.8	19.1
85°	10.8	12.1	12.7	13.4	13.4	13.4	14.0	14.6	14.6	14.0
87.5°	7.6	7.6	8.3	8.9	8.9	9.5	9.5	10.2	10.2	10.2
90°	4.5	4.5	5.1	5.1	5.7	5.7	5.7	6.4	6.4	6.4
92.5°	10.8	10.8	11.5	11.5	11.5	11.5	12.1	12.1	12.1	12.1
95°	115.8	52.2	43.9	26.7	25.5	22.2	21.7	22.2	22.2	21.7
97.5°	388.8	416.1	433.3	441.6	431.4	420.6	408.5	406.6	390.0	353.2
100°	419.3	440.9	461.9	476.6	482.3	487.4	498.8	505.8	509.0	512.2
102.5°	434.6	457.5	475.9	494.3	502.0	509.0	519.2	527.5	530.6	533.2
105°	448.0	471.4	491.9	508.4	515.3	521.7	531.9	539.6	545.3	545.9
107.5°	451.1	475.9	498.8	519.2	527.5	534.4	546.6	552.3	557.3	557.3
110°	456.8	480.4	501.4	519.8	528.1	536.3	549.1	558.0	563.1	564.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	461.3	485.5	505.2	523.6	530.6	538.3	550.4	558.7	563.1	565.0
115°	465.1	488.6	508.4	525.6	533.2	540.8	552.9	559.9	565.0	566.9
117.5°	467.6	490.5	510.3	526.2	534.4	540.8	552.3	559.9	565.0	565.6
120°	468.3	491.2	510.3	526.2	533.2	540.2	551.6	559.3	564.4	564.4
122.5°	468.3	490.5	509.6	524.9	531.3	537.7	548.5	557.3	561.8	561.8
125°	465.7	488.0	506.5	521.7	528.1	533.9	545.3	553.5	558.0	558.7
127.5°	461.9	483.6	502.0	517.3	523.6	528.7	540.8	548.5	552.9	553.5
130°	456.8	478.5	496.3	510.9	517.3	523.0	533.2	541.5	546.6	547.8
132.5°	451.1	471.4	489.3	503.3	509.6	514.8	524.9	533.2	537.7	539.6
135°	444.1	463.2	480.4	494.3	500.7	505.8	515.3	523.6	528.1	530.0
137.5°	435.2	453.7	470.2	484.2	489.9	495.0	504.6	512.2	516.0	518.6
140°	425.0	442.2	459.4	472.1	477.8	482.9	491.2	499.5	503.3	505.2
142.5°	414.2	431.4	446.6	459.4	464.5	469.5	477.8	485.5	489.3	489.9
145°	402.8	419.3	433.3	445.4	449.9	454.9	462.6	470.2	474.0	474.7
147.5°	390.0	405.3	418.7	430.1	435.2	439.0	446.0	453.0	456.8	457.5
150°	375.4	389.4	401.5	412.9	417.4	421.2	428.9	435.2	439.0	439.7
152.5°	361.4	374.7	385.0	395.2	399.6	403.4	409.8	416.1	419.9	420.6
155°	346.8	358.9	369.0	377.3	381.1	385.0	390.0	395.7	399.0	399.6
157.5°	331.5	343.0	351.8	359.5	363.3	366.5	370.9	376.1	378.0	379.2
160°	315.0	324.5	332.2	339.8	343.0	346.1	350.6	354.4	357.0	357.6
162.5°	297.1	305.4	311.7	318.8	320.7	323.2	327.7	331.5	333.4	334.1
165°	278.7	286.3	292.1	297.8	299.0	301.0	304.1	307.9	309.3	310.5
167.5°	260.2	266.6	270.4	275.5	277.4	278.7	281.9	284.4	285.7	286.3
170°	242.4	246.8	250.1	253.9	254.5	256.4	258.3	260.9	261.5	261.5
172.5°	228.4	230.3	232.2	233.5	234.1	234.8	236.1	236.7	236.7	236.7
175°	219.5	220.8	220.8	221.4	221.4	221.4	221.4	221.4	221.4	221.4
177.5°	214.4	214.4	214.4	213.8	213.8	213.8	213.8	213.1	213.1	213.1
180°	213.1	213.1	213.1	213.1	213.1	213.1	213.1	213.1	213.1	213.1

(END OF REPORT)