Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: McGRAW-EDISON

Report Number: P952636

Luminaire Tested: **GALN-SB6B-935-U-T2U-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P952636
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB6B-935-U-T2U-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18154 lumens
Efficiency:	N/A
Efficacy:	82.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G3
Input Watts (W):	220.4
Input Voltage (V):	NR
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:	24 FT

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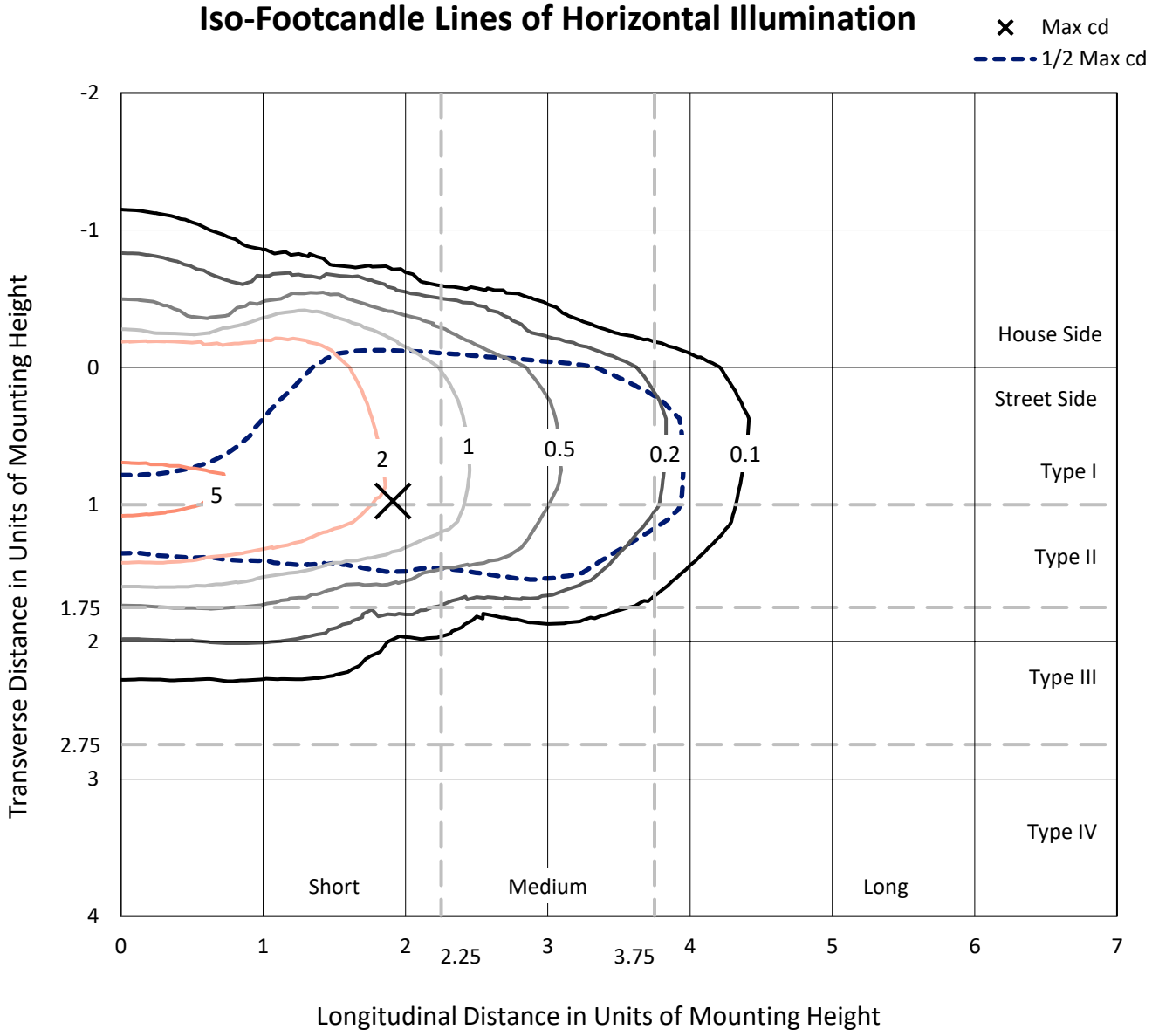
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Short - N/A

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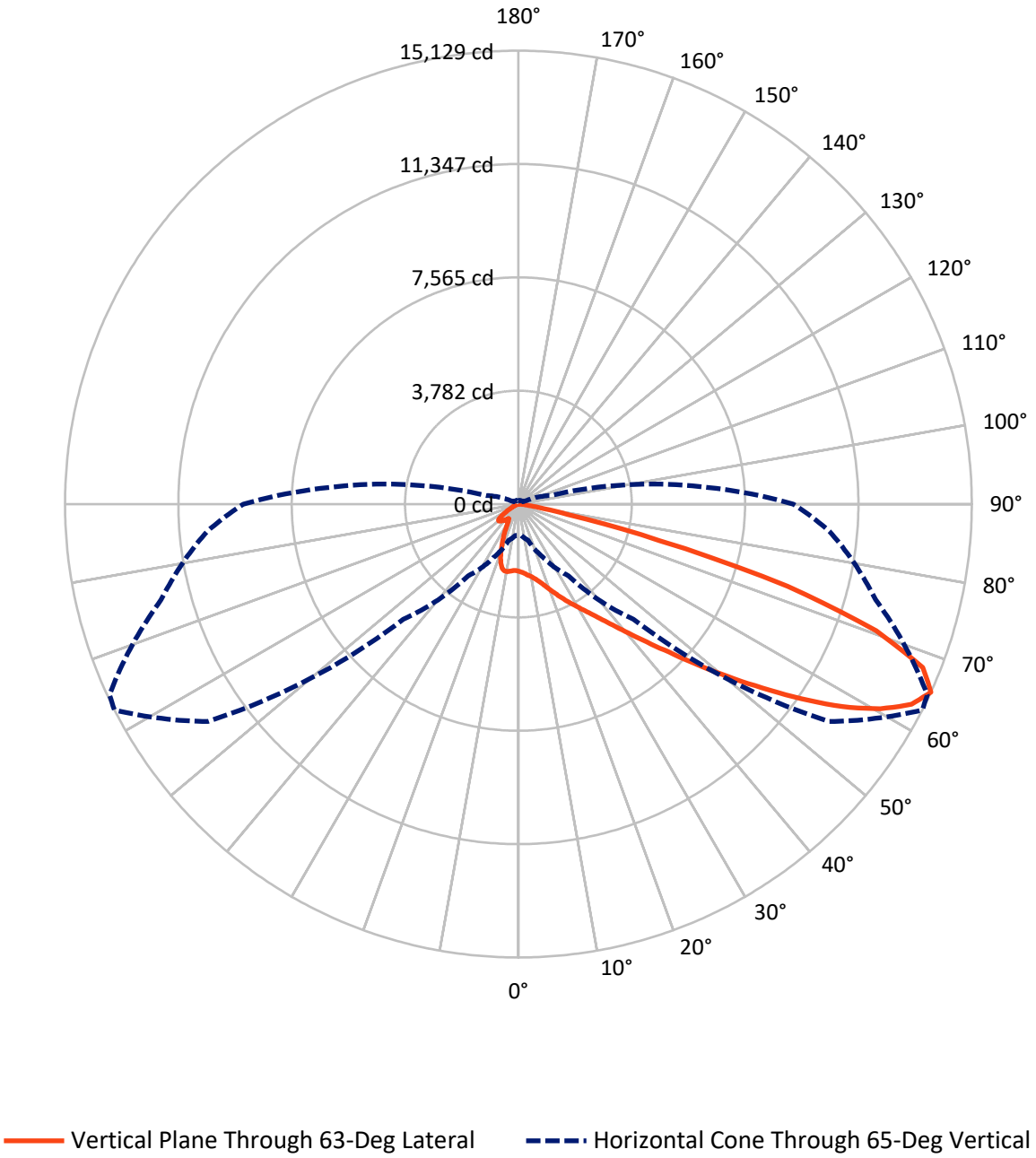
Luminous Intensity Polar Plot



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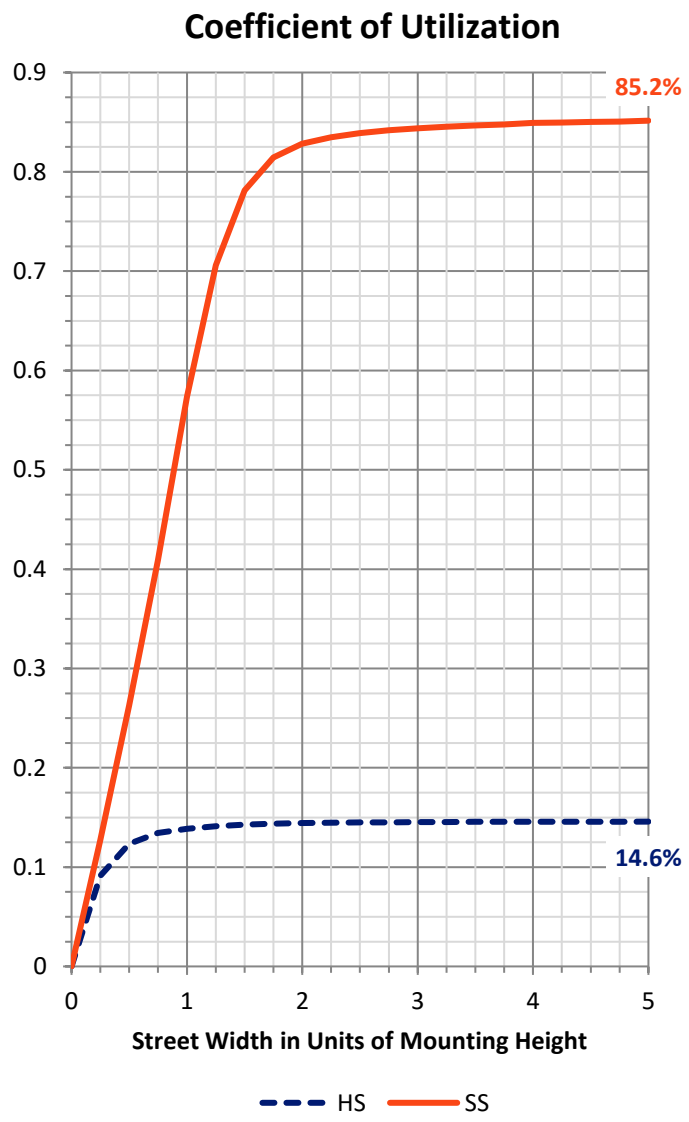
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2668.5	0.0	2668.5
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	15485.5	0.0	15485.5
	% Fixture	85.3	0.0	85.3
Total	Lumens	18154.0	0.0	18154.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	1.2
10°-20°	585.7	3.2
20°-30°	1019.9	5.6
30°-40°	1838.3	10.1
40°-50°	3645.9	20.1
50°-60°	4966.3	27.4
60°-70°	3964.1	21.8
70°-80°	1793.8	9.9
80°-90°	128.9	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	18154.0	100.0
0°-180°	18154.0	100.0



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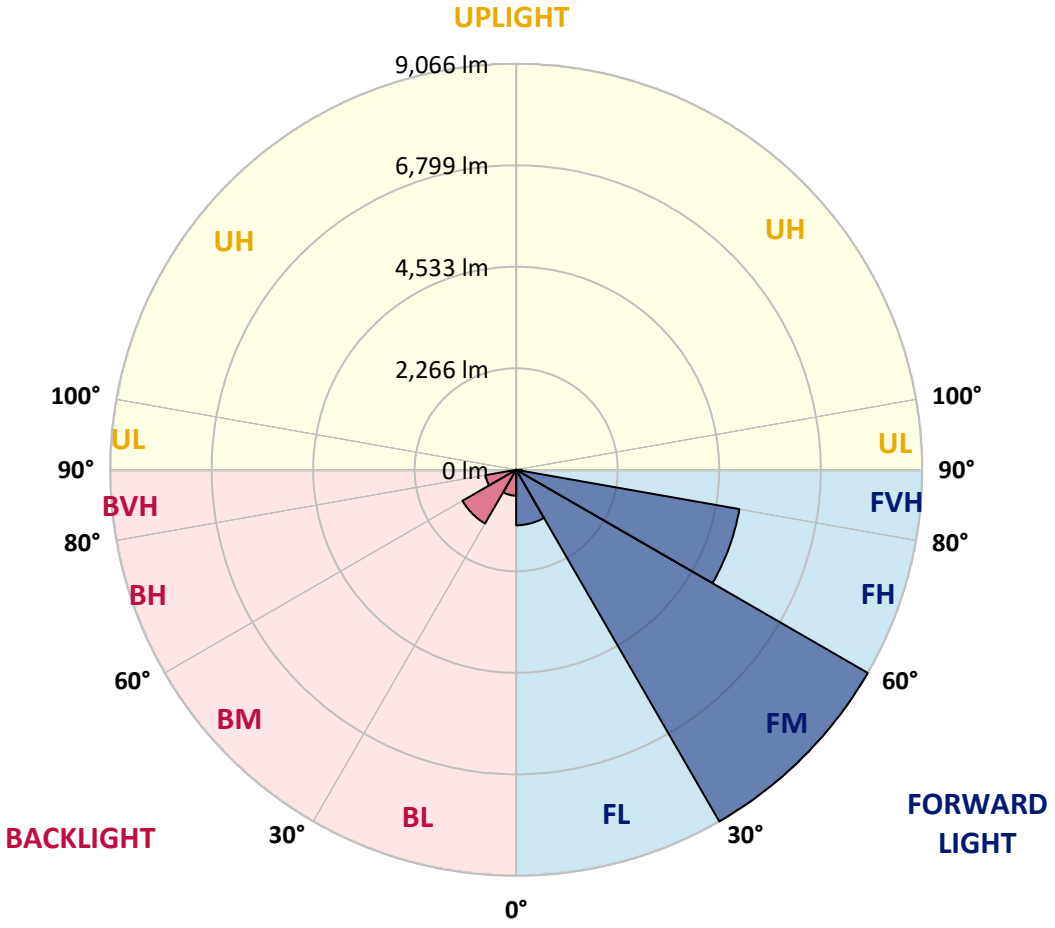
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1239.2	6.8			
FM	(30°-60°)	9065.6	49.9			
FH	(60°-80°)	5061.2	27.9			G3/7500
FVH	(80°-90°)	119.4	0.7			G2/225
BL	(0°-30°)	577.5	3.2	B2/1000		
BM	(30°-60°)	1384.8	7.6	B2/2500		
BH	(60°-80°)	696.6	3.8	B2/1000		G2/1000
BVH	(80°-90°)	9.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2240.5	2240.5	2240.5	2240.5	2240.5	2240.5	2240.5	*2240.5*	2240.5	2240.5
2.5°	2293.0	2286.8	2295.5	2291.8	2289.3	2284.3	2281.8	*2279.3*	2274.3	2270.5
5°	2299.2	2295.5	2304.2	2311.7	2319.2	2326.7	2330.5	*2335.5*	2330.5	2320.5
7.5°	2246.8	2244.3	2263.0	2285.5	2319.2	2348.0	2379.2	*2396.7*	2397.9	2394.2
10°	2243.0	2236.8	2255.5	2283.0	2326.7	2377.9	2432.9	*2470.3*	2475.3	2491.6
12.5°	2301.7	2295.5	2321.7	2351.7	2396.7	2450.4	2517.8	*2570.3*	2577.8	2600.2
15°	2400.4	2391.7	2421.6	2460.4	2517.8	2579.0	2650.2	*2697.6*	2703.9	2731.4
17.5°	2515.3	2506.6	2541.5	2582.7	2645.2	2728.9	2811.3	*2863.8*	2871.2	2888.7
20°	2662.7	2651.4	2678.9	2716.4	2782.6	2882.5	2981.2	*3056.1*	3054.8	3054.8
22.5°	2833.8	2816.3	2840.0	2870.0	2932.4	3053.6	3184.7	*3273.4*	3273.4	3238.4
25°	3017.4	2999.9	3026.1	3053.6	3108.5	3245.9	3399.5	*3509.4*	3514.4	3454.5
27.5°	3247.2	3224.7	3244.7	3277.1	3309.6	3449.5	3631.8	*3759.2*	3761.7	3669.3
30°	3689.3	3625.6	3563.1	3528.2	3543.2	3681.8	3876.6	*4017.7*	4030.2	3902.8
32.5°	4498.6	4486.1	4266.3	3979.0	3829.2	3931.6	4150.1	*4320.0*	4327.5	4163.9
35°	5756.2	5741.2	5387.8	4840.8	4352.5	4266.3	4482.3	*4683.4*	4678.4	4493.6
37.5°	7257.4	7243.7	6777.8	6046.0	5255.4	4772.1	4910.7	*5121.8*	5153.0	4910.7
40°	8540.1	8488.8	8194.1	7488.5	6454.4	5611.4	5520.2	*5660.1*	5692.5	5405.3
42.5°	9511.7	9468.0	9318.1	8877.3	7905.6	6852.8	6238.3	*6292.0*	6328.2	5983.5
45°	10015.0	10005.0	10065.0	10023.8	9384.3	8376.4	7264.9	*7041.4*	7055.1	6624.2
47.5°	10086.2	10081.2	10354.7	10741.9	10655.7	10094.9	8582.5	*7975.5*	7926.8	7347.3
50°	9666.6	9656.6	10181.1	10906.7	11505.0	11538.7	10078.7	*9028.4*	8921.0	8095.4
52.5°	8326.5	8324.0	9185.7	10393.4	11803.5	12802.6	11557.4	*10184.9*	10005.0	8887.3
55°	6406.9	6453.1	7441.0	8868.5	11258.9	13410.8	12885.0	*11468.8*	11192.7	9684.1
57.5°	4538.5	4606.0	5582.6	6854.0	9570.4	13051.1	13783.0	*12755.1*	12457.9	10478.4
60°	2437.9	2497.8	3475.7	4993.1	7120.0	11709.8	14256.3	*13871.7*	13590.7	11232.7
62.5°	1452.5	1472.5	1877.1	3223.4	4815.8	8946.0	14055.2	*14722.2*	14491.1	11865.9
65°	*1042.8*	*1046.6*	*1250.2*	*1968.3*	*2923.7*	*5435.3*	*12645.2*	*15129.3*	*15058.1*	*12343.0*
67.5°	878.0	875.5	960.4	1307.6	1992.0	2722.6	9691.6	*14553.6*	14855.8	12645.2
70°	753.1	756.8	856.8	957.9	1497.4	1541.2	4818.3	*12671.5*	13315.9	12725.2
72.5°	560.8	573.3	665.7	873.0	1130.3	1060.3	1663.5	*9395.6*	10560.8	11989.5
75°	395.9	402.1	468.3	734.4	843.0	771.8	849.3	*4857.0*	6350.7	9192.0
77.5°	304.7	316.0	354.7	513.3	830.5	542.0	519.5	*1681.0*	2582.7	5552.7
80°	164.9	184.8	256.0	370.9	583.2	383.4	257.3	*669.4*	875.5	2596.5
82.5°	84.9	94.9	178.6	267.3	332.2	334.7	127.4	*278.5*	360.9	801.8
85°	33.7	41.2	119.9	147.4	171.1	164.9	57.4	*112.4*	129.9	222.3
87.5°	7.5	12.5	43.7	33.7	32.5	35.0	13.7	*26.2*	25.0	26.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2240.5	0°	2240.5	2240.5	2240.5	2240.5	2240.5	2240.5	2240.5	2240.5	2240.5	2240.5
2255.5	2.5°	2254.3	2249.3	2235.6	2220.6	2203.1	2193.1	2186.8	2185.6	2176.9	2170.6
2305.5	5°	2291.8	2286.8	2260.5	2229.3	2195.6	2169.4	2144.4	2121.9	2089.4	2083.2
2377.9	7.5°	2366.7	2352.9	2310.5	2268.0	2204.3	2128.1	2035.7	1929.6	1834.7	1805.9
2474.1	10°	2459.1	2440.4	2386.7	2311.7	2170.6	1963.3	1739.7	1532.4	1367.6	1321.3
2587.7	12.5°	2564.0	2547.8	2476.6	2338.0	2029.5	1653.6	1311.4	1054.1	894.2	854.3
2708.9	15°	2688.9	2665.2	2566.5	2298.0	1777.2	1256.4	900.5	748.1	690.6	683.2
2847.5	17.5°	2821.3	2782.6	2646.4	2154.4	1437.5	893.0	695.6	651.9	627.0	619.5
2987.4	20°	2942.4	2892.5	2693.9	1937.1	1074.1	695.6	623.2	594.5	572.0	563.3
3127.3	22.5°	3063.6	2992.4	2693.9	1641.1	805.5	617.0	572.0	545.8	519.5	508.3
3277.1	25°	3189.7	3094.8	2646.4	1311.4	648.2	565.8	523.3	494.6	472.1	458.4
3419.5	27.5°	3312.1	3181.0	2537.8	999.1	577.0	520.8	478.3	450.9	429.6	419.6
3574.4	30°	3428.3	3265.9	2385.4	758.1	530.8	477.1	437.1	413.4	392.2	382.2
3775.5	32.5°	3585.6	3373.3	2223.1	622.0	490.8	435.9	399.7	377.2	358.4	350.9
4036.5	35°	3804.2	3531.9	2083.2	610.7	457.1	402.1	365.9	344.7	326.0	319.7
4373.7	37.5°	4113.9	3787.9	2009.5	685.7	429.6	372.2	338.5	316.0	298.5	293.5
4802.1	40°	4496.1	4135.1	2049.5	760.6	410.9	345.9	313.5	291.0	276.0	269.8
5294.1	42.5°	4949.4	4563.5	2270.5	818.0	398.4	323.5	289.7	264.8	254.8	252.3
5852.4	45°	5470.2	5034.4	2609.0	879.2	378.4	302.2	266.0	247.3	239.8	238.5
6459.4	47.5°	6062.2	5551.4	3001.1	955.4	358.4	282.3	247.3	234.8	228.6	226.1
7092.6	50°	6649.2	6072.2	3404.5	997.9	342.2	263.5	232.3	222.3	217.3	216.1
7762.0	52.5°	7263.7	6608.0	3730.5	957.9	328.5	248.5	219.8	212.3	207.3	206.1
8378.9	55°	7849.4	7041.4	3786.7	813.0	301.0	233.5	206.1	202.3	196.1	196.1
9004.6	57.5°	8354.0	7258.7	3389.5	597.0	273.5	211.1	192.3	188.6	183.6	182.3
9569.2	60°	8817.3	7196.2	2616.5	402.1	243.5	188.6	174.8	172.3	167.4	161.1
10060.0	62.5°	9078.3	6921.5	1789.7	262.3	213.6	164.9	154.9	153.6	142.4	129.9
10423.4	65°	*9177.0*	*6357.0*	*1116.5*	*191.1*	*178.6*	*141.1*	*133.6*	*131.1*	*114.9*	*101.2*
10629.5	67.5°	9090.8	5427.8	563.3	151.1	141.1	117.4	109.9	109.9	98.7	86.2
10617.0	70°	8746.1	4069.0	237.3	121.1	108.7	89.9	89.9	94.9	83.7	69.9
10066.2	72.5°	7998.0	2737.6	126.1	92.4	81.2	63.7	73.7	77.4	66.2	52.5
8239.1	75°	6358.2	1669.8	87.4	68.7	51.2	45.0	56.2	58.7	45.0	35.0
5648.8	77.5°	4348.7	959.2	58.7	43.7	32.5	26.2	38.7	36.2	23.7	16.2
2178.1	80°	1909.6	399.7	33.7	20.0	12.5	10.0	13.7	10.0	7.5	5.0
298.5	82.5°	223.6	93.7	12.5	7.5	5.0	2.5	1.2	0.0	0.0	0.0
91.2	85°	46.2	11.2	6.2	2.5	1.2	0.0	0.0	0.0	0.0	0.0
16.2	87.5°	8.7	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
2240.5
2176.9
2080.7
1792.2
1303.9
843.0
675.7
615.7
558.3
502.1
453.4
419.6
383.4
350.9
319.7
292.2
268.5
252.3
237.3
226.1
216.1
206.1
194.8
181.1
159.9
127.4
99.9
84.9
68.7
52.5
33.7
17.5
5.0
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