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: P942376

Luminaire Tested: **GALN-SB6B-835-U-T3-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P942376
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB6B-835-U-T3-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24840 lumens
Efficiency:	N/A
Efficacy:	112.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G4
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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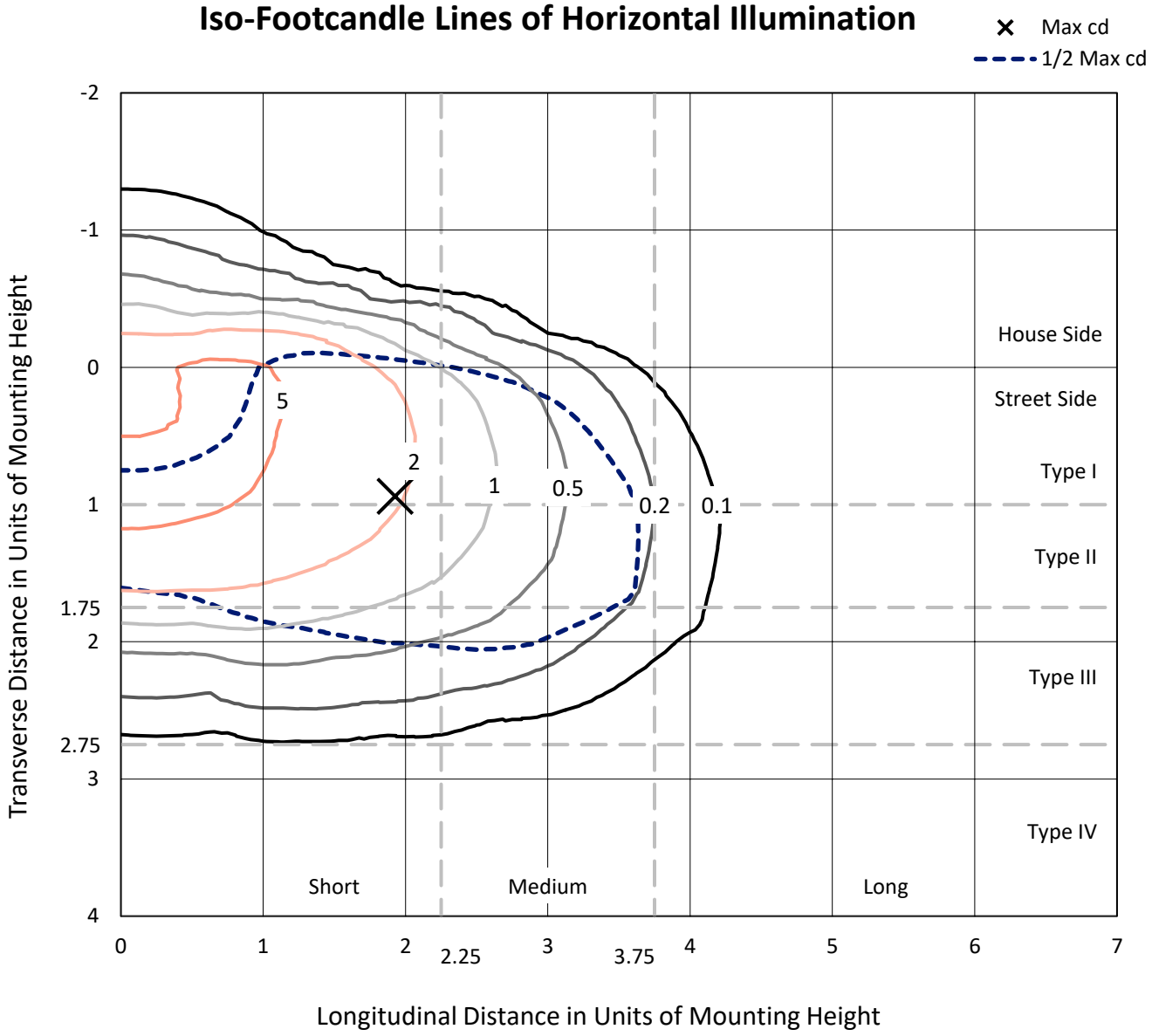
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type III - Short - N/A

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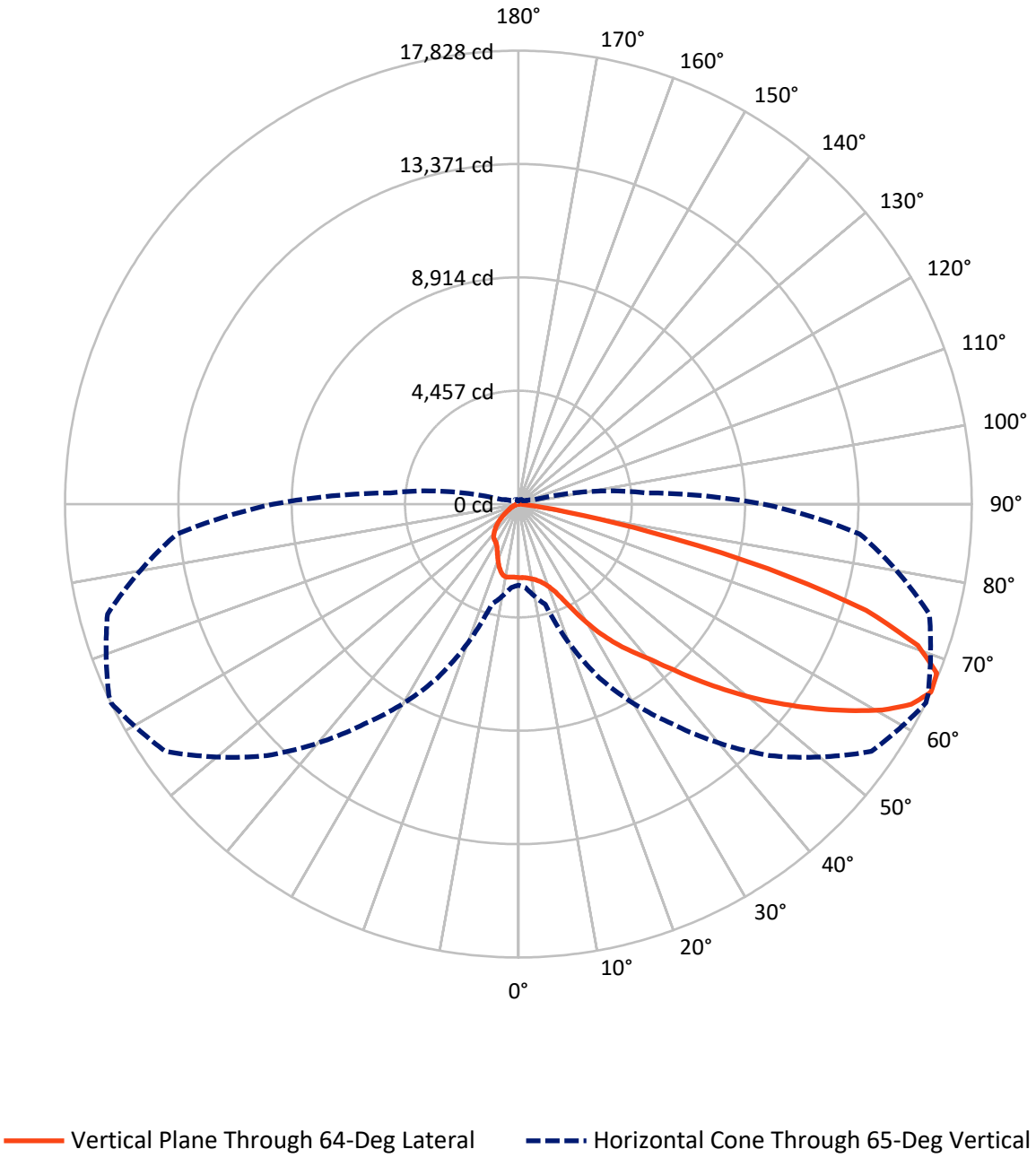
Luminous Intensity Polar Plot



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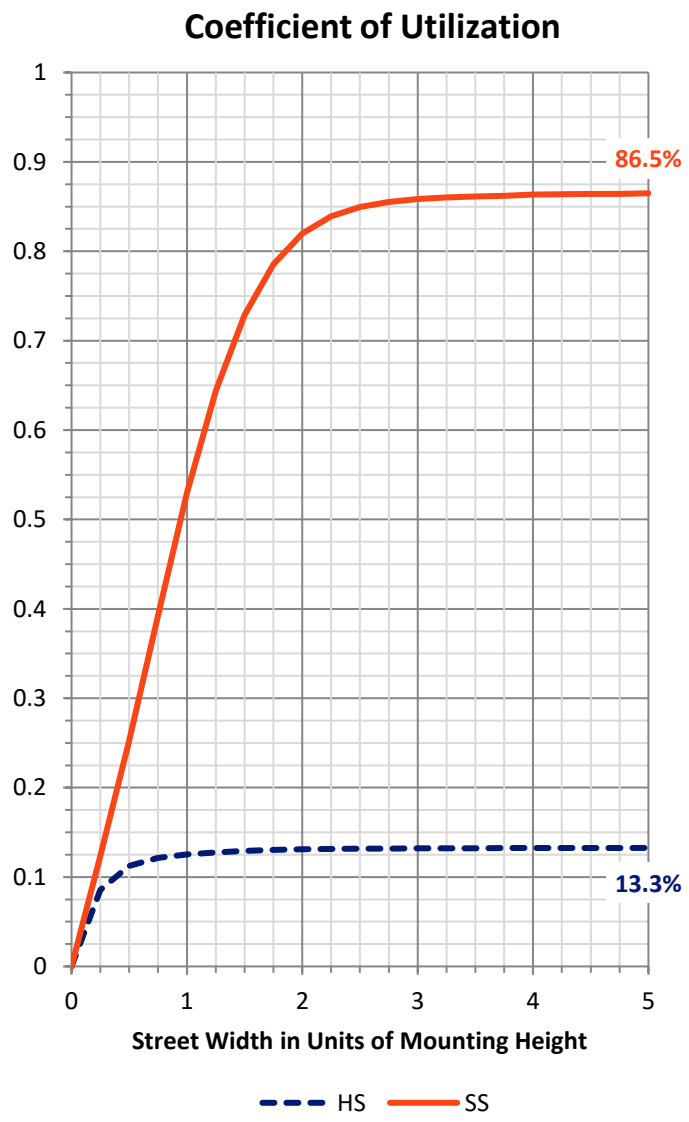
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3321.9	0.0	3321.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21518.1	0.0	21518.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	24840.0	0.0	24840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.6	1.1
10°-20°	723.0	2.9
20°-30°	1370.0	5.5
30°-40°	2772.2	11.2
40°-50°	4722.4	19.0
50°-60°	6422.1	25.9
60°-70°	6030.7	24.3
70°-80°	2416.1	9.7
80°-90°	117.1	0.5
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°	24840.0	100.0
0°-180°	24840.0	100.0



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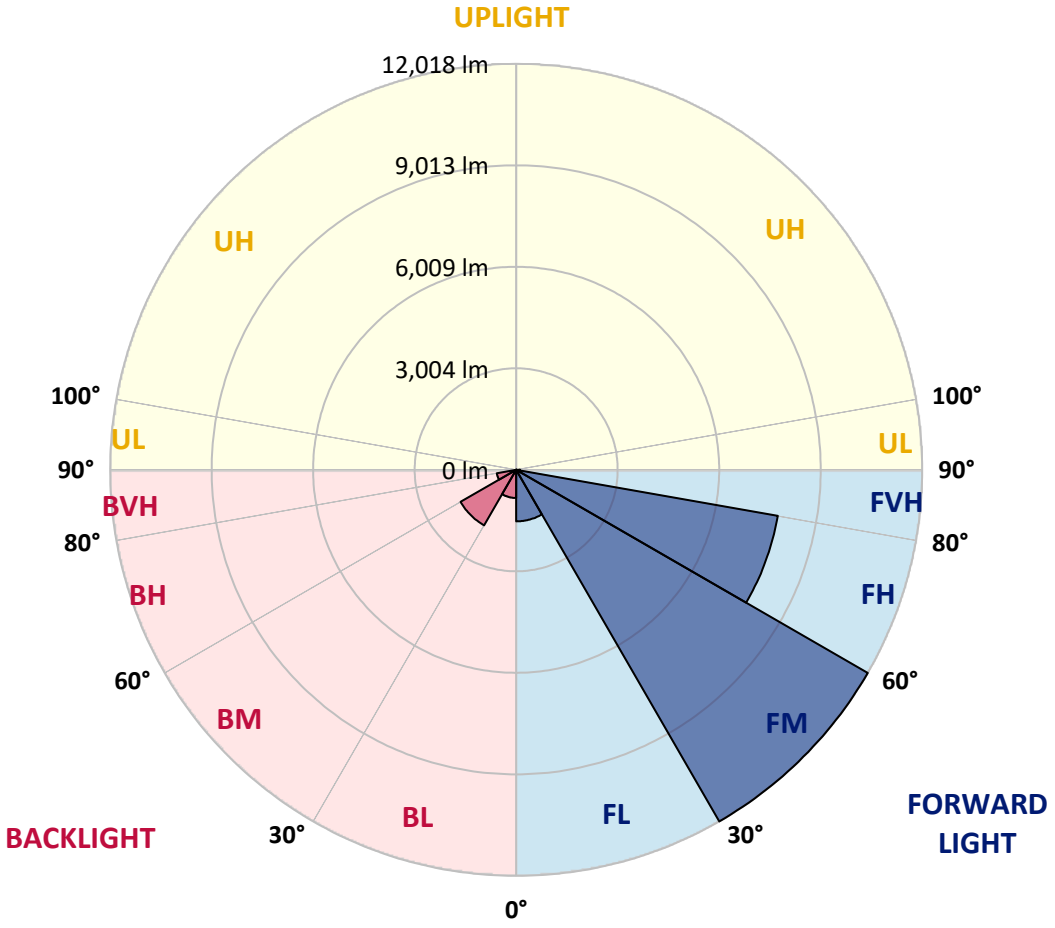
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1525.5	6.1			
FM	(30°-60°)	12017.6	48.4			
FH	(60°-80°)	7863.8	31.7			G4/12000
FVH	(80°-90°)	111.3	0.4			G2/225
BL	(0°-30°)	834.0	3.4	B2/1000		
BM	(30°-60°)	1899.1	7.6	B2/2500		
BH	(60°-80°)	583.0	2.3	B2/1000		G2/1000
BVH	(80°-90°)	5.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2889.1	2889.1	2889.1	2889.1	2889.1	2889.1	2889.1	*2889.1*	2889.1	2889.1
2.5°	2879.2	2899.1	2894.1	2889.1	2887.5	2890.8	2892.5	*2890.8*	2890.8	2890.8
5°	2824.2	2840.9	2840.9	2852.5	2869.2	2889.1	2904.1	*2907.5*	2910.8	2915.8
7.5°	2719.3	2732.6	2742.6	2780.9	2822.5	2875.8	2920.8	*2944.1*	2947.4	2965.7
10°	2647.7	2664.3	2681.0	2721.0	2780.9	2860.8	2937.4	*2994.1*	3002.4	3045.7
12.5°	2644.4	2661.0	2682.7	2726.0	2795.9	2880.8	2974.1	*3055.7*	3070.7	3133.9
15°	2679.3	2699.3	2719.3	2772.6	2847.5	2950.8	3050.7	*3152.3*	3167.2	3257.2
17.5°	2750.9	2777.6	2792.6	2845.9	2925.8	3040.7	3172.2	*3288.8*	3302.1	3407.0
20°	2892.5	2924.1	2929.1	2972.4	3050.7	3173.9	3330.4	*3475.3*	3492.0	3611.9
22.5°	3185.6	3230.5	3190.6	3212.2	3282.1	3405.4	3575.2	*3758.4*	3781.7	3918.3
25°	3701.8	3765.1	3661.8	3625.2	3655.1	3783.4	3996.5	*4228.0*	4254.6	4364.5
27.5°	4715.9	4634.3	4477.8	4324.6	4234.6	4307.9	4547.7	*4834.1*	4867.4	4974.0
30°	5829.9	5758.3	5546.8	5207.1	4994.0	4982.3	5203.8	*5523.5*	5561.8	5663.4
32.5°	6945.6	6877.3	6647.5	6229.6	5859.9	5676.7	5829.9	*6184.6*	6204.6	6269.5
35°	8043.0	7973.1	7743.3	7315.3	6860.7	6444.4	6414.4	*6814.1*	6820.7	6889.0
37.5°	9147.0	9088.7	8844.0	8424.3	7976.4	7401.9	7123.8	*7410.2*	7418.5	7485.1
40°	9934.7	9959.7	9791.5	9466.8	9082.1	8454.3	7919.8	*8044.7*	7994.7	8106.3
42.5°	10610.8	10660.7	10514.2	10351.0	10127.8	9575.0	8905.6	*8883.9*	8804.0	8863.9
45°	11195.2	11236.9	11105.3	11067.0	11062.0	10674.0	9983.0	*9853.1*	9741.5	9729.9
47.5°	11410.1	11490.0	11546.6	11674.8	11924.6	11761.4	11097.0	*10895.5*	10770.6	10679.0
50°	11491.7	11576.6	11769.7	12142.8	12733.9	12803.8	12206.0	*11979.6*	11826.4	11659.8
52.5°	11381.8	11533.3	11793.1	12420.8	13278.4	13639.8	13270.1	*13071.9*	12897.1	12625.7
55°	10734.0	10885.5	11416.7	12417.5	13549.9	14225.9	14275.9	*14187.6*	13991.1	13563.2
57.5°	9368.5	9593.3	10434.2	11994.6	13544.9	14730.5	15261.7	*15325.0*	15105.2	14492.4
60°	7476.8	7781.6	8807.3	11057.0	13126.9	15003.6	16126.0	*16442.3*	16209.2	15408.2
62.5°	5217.1	5570.1	6541.0	9588.3	12171.1	14807.1	16757.1	*17341.6*	17165.0	16227.5
65°	*3182.2*	*3295.5*	*4078.1*	*7545.1*	*10545.8*	*13984.5*	*16951.9*	*17827.8*	*17769.5*	*16728.8*
67.5°	2119.8	2214.7	2439.5	5173.8	8186.2	12340.9	16485.6	*17742.9*	17759.5	16647.2
70°	1277.2	1358.8	1505.4	3009.0	5305.4	9768.2	15041.9	*16660.5*	16757.1	15556.4
72.5°	526.2	581.2	714.4	1363.8	2747.6	6199.6	11977.9	*14304.2*	14529.0	13080.3
75°	298.1	326.4	419.6	684.4	1192.3	2889.1	7255.3	*10154.5*	10485.9	9015.5
77.5°	198.2	211.5	271.4	442.9	671.1	985.8	3100.6	*5290.4*	5923.2	4924.0
80°	133.2	144.9	186.5	296.4	436.3	423.0	987.5	*1960.0*	2411.2	1691.9
82.5°	89.9	91.6	133.2	194.8	276.4	204.8	291.4	*609.5*	766.0	489.6
85°	51.6	50.0	98.2	113.2	123.2	84.9	88.3	*183.2*	239.8	206.5
87.5°	6.7	10.0	38.3	30.0	16.7	18.3	18.3	*31.6*	46.6	50.0
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°
2889.1	0°	2889.1	2889.1	2889.1	2889.1	2889.1	2889.1	2889.1	2889.1	2889.1	2889.1
2892.5	2.5°	2892.5	2890.8	2885.8	2880.8	2869.2	2862.5	2865.8	2862.5	2860.8	2862.5
2914.1	5°	2914.1	2909.1	2895.8	2879.2	2855.8	2827.5	2809.2	2782.6	2757.6	2742.6
2972.4	7.5°	2972.4	2967.4	2949.1	2902.5	2827.5	2709.3	2601.1	2506.2	2434.5	2392.9
3065.7	10°	3065.7	3057.3	3029.0	2925.8	2729.3	2471.2	2256.4	2078.2	1961.6	1906.7
3175.6	12.5°	3175.6	3165.6	3115.6	2904.1	2542.8	2139.8	1843.4	1645.2	1537.0	1488.7
3302.1	15°	3305.5	3292.1	3193.9	2800.9	2271.4	1773.5	1502.0	1353.8	1283.9	1240.6
3463.6	17.5°	3467.0	3443.7	3252.2	2646.0	1976.6	1493.7	1292.2	1180.6	1119.0	1077.4
3675.1	20°	3676.8	3638.5	3298.8	2461.2	1705.2	1317.2	1150.7	1057.4	1010.8	974.2
3974.9	22.5°	3969.9	3914.9	3355.4	2261.4	1513.7	1195.6	1045.8	977.5	939.2	897.6
4392.8	25°	4332.9	4267.9	3425.3	2076.5	1382.1	1090.7	969.2	912.5	867.6	819.3
4940.7	27.5°	4840.8	4724.2	3508.6	1925.0	1268.9	1000.8	899.2	835.9	784.3	744.4
5561.8	30°	5407.0	5215.5	3581.9	1833.4	1165.7	917.5	807.6	744.4	696.1	667.8
6119.7	32.5°	5943.2	5683.4	3630.2	1793.4	1072.4	822.6	707.7	639.4	602.8	594.5
6665.9	35°	6449.4	6106.3	3625.2	1755.1	989.1	727.7	609.5	539.5	511.2	516.2
7253.7	37.5°	7032.2	6557.6	3590.2	1695.2	920.9	641.1	524.5	462.9	438.0	439.6
7968.1	40°	7710.0	7078.8	3568.6	1582.0	845.9	561.2	454.6	404.6	386.3	379.7
8720.7	42.5°	8432.7	7583.4	3571.9	1453.7	752.7	489.6	406.3	364.7	348.0	343.0
9558.3	45°	9158.7	8064.6	3576.9	1320.5	654.4	434.6	371.3	336.4	326.4	319.7
10407.6	47.5°	9841.4	8474.3	3483.6	1177.3	557.8	393.0	343.0	319.7	311.4	303.1
11260.2	50°	10477.5	8747.4	3258.8	1010.8	481.2	359.7	321.4	304.7	296.4	288.1
12032.9	52.5°	10972.1	8790.7	2887.5	839.3	428.0	334.7	308.1	293.1	283.1	274.8
12657.3	55°	11191.9	8519.2	2359.6	679.4	386.3	313.1	294.7	279.8	268.1	259.8
13148.5	57.5°	11135.3	7948.1	1840.1	546.2	346.4	291.4	278.1	268.1	254.8	241.5
13546.5	60°	10857.2	7183.7	1387.1	454.6	309.7	268.1	259.8	251.4	233.1	213.1
13699.7	62.5°	10376.0	6222.9	989.1	376.3	269.8	241.5	238.1	231.5	204.8	168.2
13473.3	65°	*9639.9*	*5055.6*	*666.1*	*313.1*	*231.5*	*211.5*	*213.1*	*201.5*	*166.5*	*124.9*
12644.0	67.5°	8564.2	3696.8	426.3	256.4	193.2	176.5	178.2	171.5	141.5	106.6
11072.0	70°	7193.7	2447.9	278.1	194.8	154.9	136.5	146.5	148.2	119.9	86.6
8497.6	72.5°	5273.7	1445.4	194.8	144.9	113.2	94.9	119.9	123.2	96.6	64.9
5112.2	75°	3005.7	686.1	146.5	104.9	69.9	66.6	93.3	93.3	66.6	43.3
2213.1	77.5°	1262.2	286.4	103.2	68.3	40.0	38.3	63.3	58.3	33.3	20.0
539.5	80°	364.7	128.2	55.0	33.3	16.7	15.0	25.0	18.3	8.3	3.3
204.8	82.5°	143.2	56.6	21.6	13.3	6.7	6.7	3.3	0.0	0.0	0.0
116.6	85°	84.9	23.3	10.0	5.0	1.7	0.0	0.0	0.0	0.0	0.0
25.0	87.5°	21.6	5.0	3.3	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°
2889.1
2869.2
2745.9
2394.6
1901.7
1483.7
1242.3
1074.1
967.5
890.9
814.3
736.0
662.8
599.5
516.2
446.3
378.0
341.4
319.7
303.1
288.1
273.1
258.1
239.8
209.8
164.9
121.6
101.6
83.3
61.6
40.0
20.0
3.3
0.0
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