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: P941909

Luminaire Tested: **GALN-SB5C-930-U-T4FT**

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:	P941909
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB5C-930-U-T4FT
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26011 lumens
Efficiency:	N/A
Efficacy:	104.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4
Input Watts (W):	249.5
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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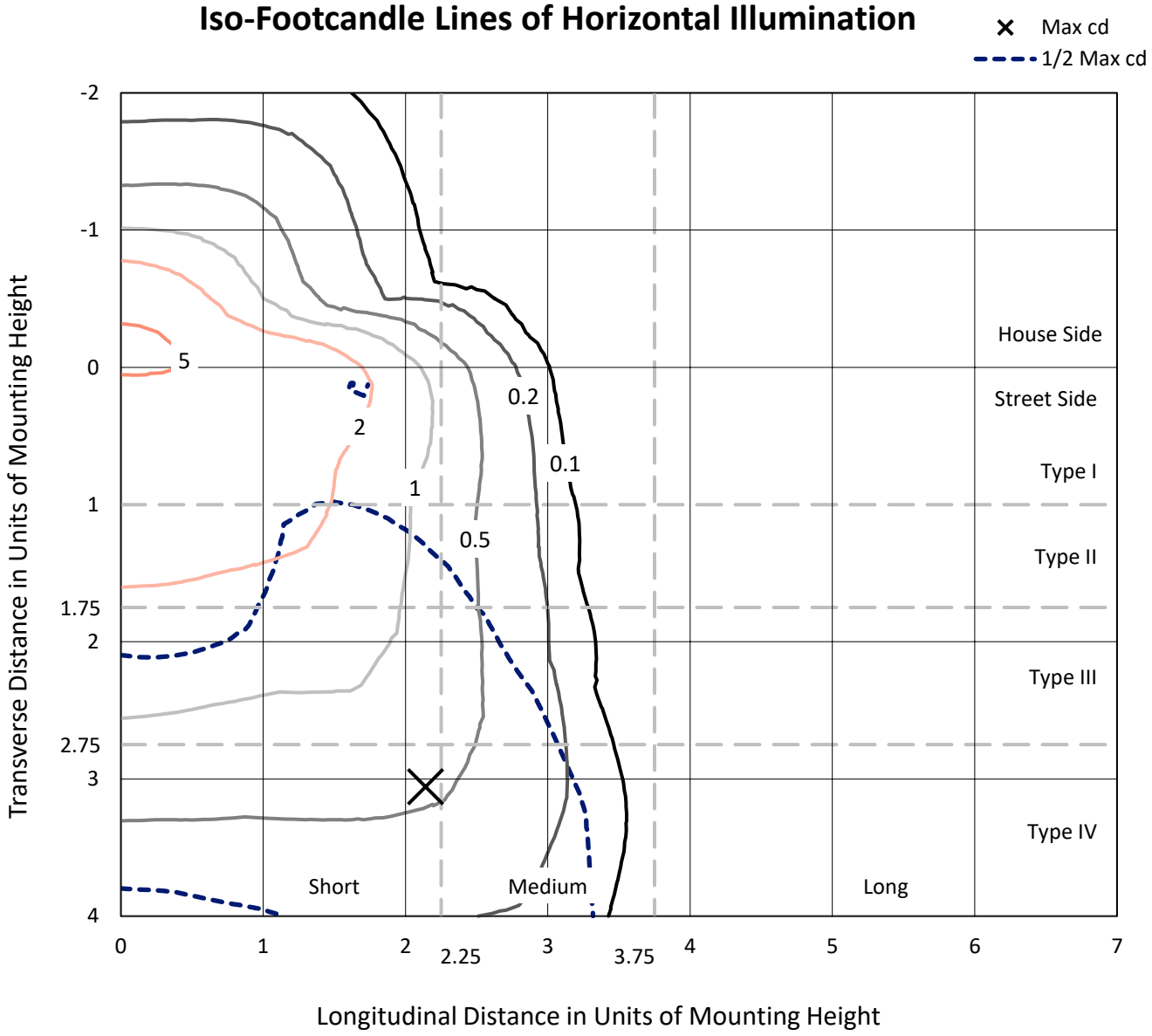
Iso-Footcandle Lines of Horizontal Illumination



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

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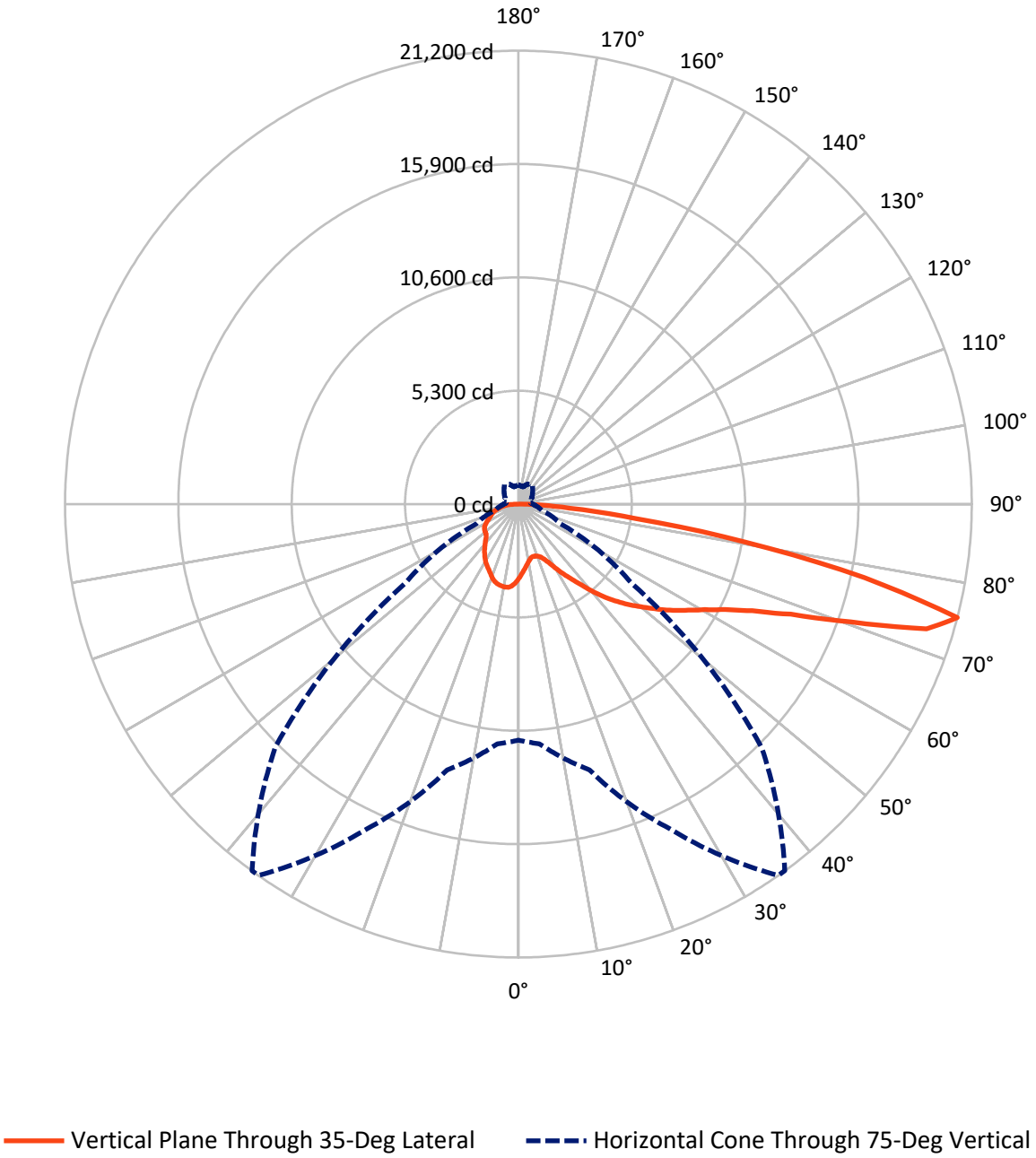
Luminous Intensity Polar Plot



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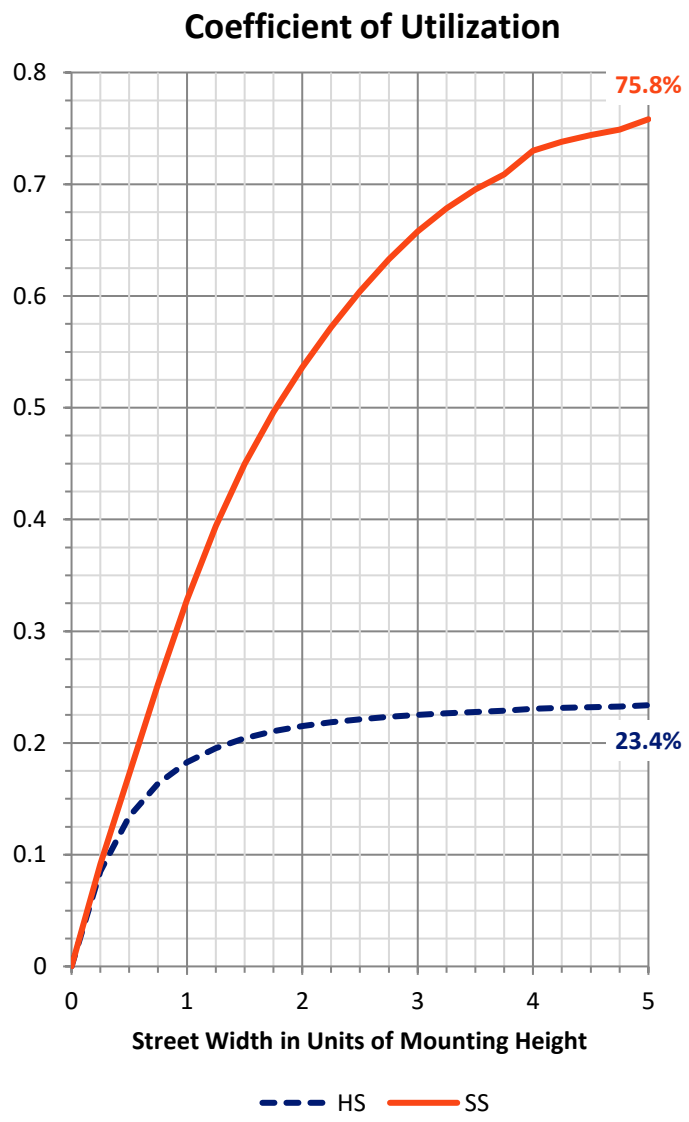
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6190.0	0.0	6190.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19821.0	0.0	19821.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	26011.0	0.0	26011.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.2	1.3
10°-20°	946.6	3.6
20°-30°	1589.6	6.1
30°-40°	2470.4	9.5
40°-50°	3666.8	14.1
50°-60°	5062.2	19.5
60°-70°	6141.6	23.6
70°-80°	5075.6	19.5
80°-90°	730.0	2.8
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°	26011.0	100.0
0°-180°	26011.0	100.0



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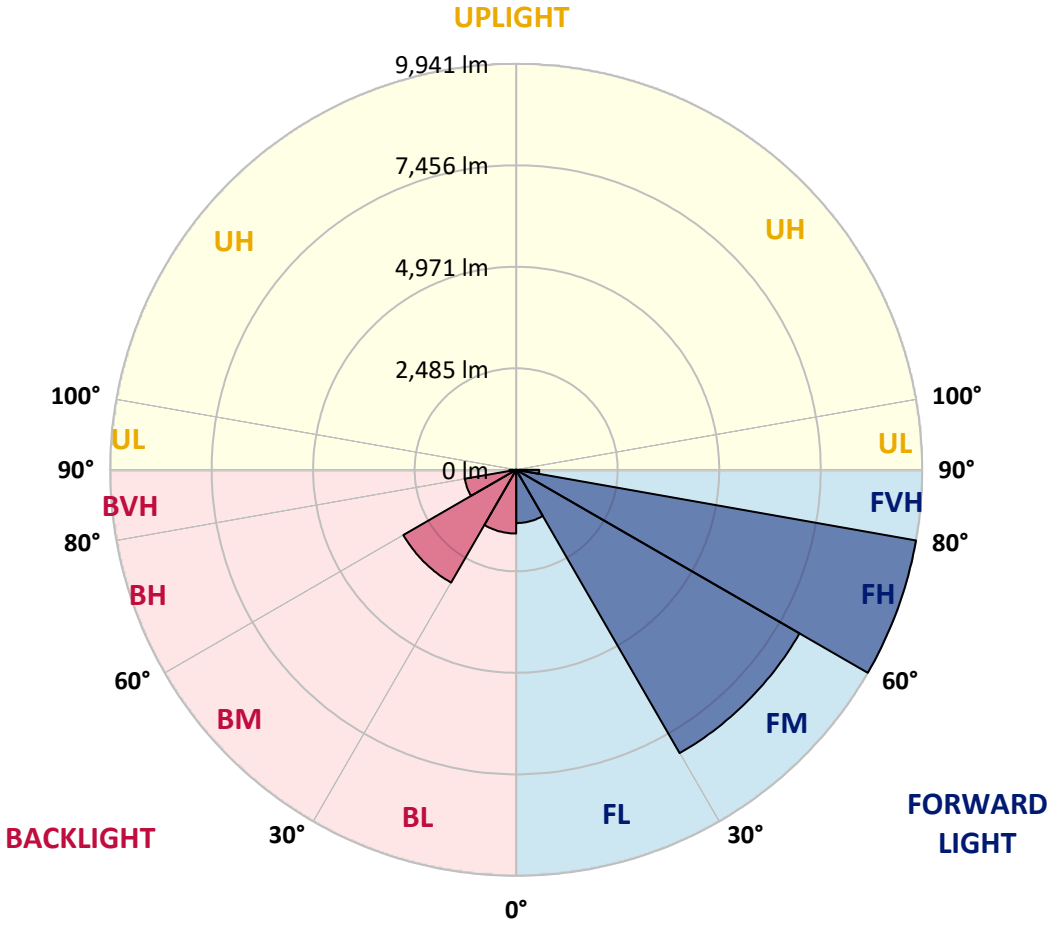
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1304.4	5.0			
FM	(30°-60°)	8010.0	30.8			
FH	(60°-80°)	9941.0	38.2			G4/12000
FVH	(80°-90°)	565.6	2.2			G4/750
BL	(0°-30°)	1560.0	6.0	B3/2500		
BM	(30°-60°)	3189.4	12.3	B3/5000		
BH	(60°-80°)	1276.2	4.9	B3/2500		G3/2500
BVH	(80°-90°)	164.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3466.1	3466.1	3466.1	3466.1	*3466.1*	3466.1	3466.1	3466.1	3466.1	3466.1
2.5°	3196.2	3215.8	3224.3	3220.1	*3241.2*	3238.3	3267.9	3304.4	3355.1	3404.3
5°	2950.1	2971.2	2989.5	3006.3	*3047.1*	3059.8	3106.2	3176.5	3269.3	3363.5
7.5°	2720.9	2739.2	2767.3	2798.2	*2867.1*	2879.8	2957.1	3066.8	3196.2	3334.0
10°	2533.9	2552.1	2581.7	2616.8	*2702.6*	2718.1	2816.5	2962.7	3131.5	3305.8
12.5°	2453.7	2459.3	2476.2	2511.4	*2585.9*	2595.7	2704.0	2871.3	3068.2	3284.7
15°	2449.5	2460.7	2462.2	2480.4	*2542.3*	2546.5	2646.4	2812.3	3028.8	3280.5
17.5°	2491.7	2500.1	2487.5	2498.7	*2550.7*	2557.8	2636.5	2784.2	3016.2	3298.8
20°	2604.2	2611.2	2573.2	2557.8	*2595.7*	2601.4	2678.7	2802.4	3028.8	3336.8
22.5°	2843.2	2847.4	2754.6	2691.4	*2694.2*	2697.0	2764.5	2877.0	3078.0	3405.7
25°	3215.8	3213.0	3065.4	2943.1	*2872.7*	2857.3	2902.3	2997.9	3161.0	3497.1
27.5°	3651.8	3630.7	3483.0	3300.2	*3146.9*	3124.4	3114.6	3155.4	3279.1	3618.0
30°	4143.9	4124.2	3965.3	3726.3	*3514.0*	3477.4	3384.6	3363.5	3454.9	3782.5
32.5°	4683.9	4671.2	4481.4	4191.7	*3907.7*	3865.5	3709.4	3653.2	3724.9	4031.4
35°	5136.6	5125.4	4967.9	4669.8	*4322.5*	4270.5	4111.6	4048.3	4084.8	4350.6
37.5°	5545.8	5540.2	5405.2	5170.4	*4811.8*	4748.5	4570.0	4548.9	4541.8	4771.0
40°	5925.5	5911.4	5770.8	5647.1	*5381.3*	5323.7	5166.2	5147.9	5094.5	5288.5
42.5°	6345.9	6309.4	6105.5	6047.8	*5976.1*	5928.3	5834.1	5836.9	5718.8	5872.1
45°	6689.0	6667.9	6458.4	6424.7	*6502.0*	6482.3	6563.9	6585.0	6355.8	6483.7
47.5°	7057.4	7037.7	6860.6	6836.7	*7046.2*	7051.8	7340.1	7347.1	6977.3	7119.3
50°	7511.6	7483.5	7307.7	7337.3	*7572.1*	7593.2	8120.5	8072.7	7549.6	7764.7
52.5°	7811.1	7828.0	7790.0	7837.8	*8158.4*	8178.1	8888.2	8765.9	8116.3	8401.7
55°	8031.9	8065.6	8183.8	8293.4	*8777.1*	8796.8	9612.4	9425.4	8585.9	8992.3
57.5°	8315.9	8268.1	8488.9	8702.6	*9364.9*	9416.9	10316.9	10061.0	9002.1	9501.3
60°	8723.7	8690.0	8861.5	9177.9	*10023.0*	10105.9	11062.1	10633.3	9307.3	9904.9
62.5°	9550.5	9466.2	9492.9	9772.7	*10852.6*	10962.3	11903.0	11132.4	9459.1	10062.4
65°	10786.5	10641.7	10506.7	10700.7	*12021.1*	12129.4	12852.1	11524.7	9402.9	9757.2
67.5°	12343.1	12199.7	12033.8	12216.6	*13742.2*	13828.0	14023.5	11745.5	8959.9	8581.7
70°	13626.9	13573.5	13771.8	14524.0	*16491.2*	16494.1	15525.2	11562.7	7746.4	6084.4
72.5°	13456.8	13424.4	14469.2	16795.0	*19956.0*	19881.5	16946.8	10179.1	5218.2	2744.8
75°	*11039.6*	*11249.1*	*12867.6*	*16754.2*	*21200.4*	*21190.6*	*16076.4*	*6471.1*	*2158.4*	*1137.6*
77.5°	5919.9	6251.7	8353.9	12369.8	*16550.3*	16799.2	11302.6	2263.9	926.6	728.4
80°	1930.6	2220.3	3329.7	6298.1	*10754.2*	10707.8	4844.2	888.7	634.2	516.1
82.5°	819.8	853.5	1487.7	2974.0	*5519.1*	5433.3	1542.5	510.4	445.7	352.9
85°	320.6	358.6	656.7	1375.2	*2390.4*	2338.4	556.8	253.1	285.4	230.6
87.5°	105.5	128.0	234.8	471.1	*743.8*	717.1	136.4	87.2	123.7	105.5
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°
3466.1	0°	3466.1	3466.1	3466.1	3466.1	3466.1	3466.1	3466.1	3466.1	3466.1	3466.1
3476.0	2.5°	3495.7	3518.2	3544.9	3584.3	3618.0	3646.1	3675.7	3693.9	3701.0	3722.1
3481.6	5°	3521.0	3570.2	3636.3	3701.0	3764.2	3802.2	3836.0	3852.8	3868.3	3879.5
3497.1	7.5°	3563.2	3626.4	3730.5	3814.9	3868.3	3899.2	3921.7	3916.1	3921.7	3924.5
3514.0	10°	3599.7	3688.3	3812.1	3892.2	3933.0	3934.4	3928.8	3909.1	3899.2	3900.6
3539.3	12.5°	3643.3	3741.7	3875.3	3942.8	3954.1	3923.1	3899.2	3865.5	3852.8	3847.2
3577.2	15°	3702.4	3814.9	3944.2	3969.5	3941.4	3902.0	3861.3	3806.4	3778.3	3755.8
3641.9	17.5°	3774.1	3897.8	3997.7	3979.4	3918.9	3854.2	3788.1	3705.2	3647.5	3623.6
3730.5	20°	3873.9	3985.0	4038.4	3958.3	3866.9	3768.5	3656.0	3554.7	3501.3	3477.4
3843.0	22.5°	3994.9	4101.7	4077.8	3921.7	3792.4	3634.9	3494.3	3419.7	3393.0	3376.1
3987.8	25°	4139.7	4231.1	4105.9	3868.3	3670.0	3457.7	3349.4	3325.5	3312.9	3300.2
4165.0	27.5°	4328.1	4377.3	4127.0	3789.6	3478.8	3269.3	3229.9	3234.1	3229.9	3208.8
4411.1	30°	4577.0	4567.2	4146.7	3661.6	3259.4	3099.1	3102.0	3120.2	3123.0	3109.0
4754.2	32.5°	4904.6	4804.8	4156.6	3495.7	3049.9	2950.1	2952.9	2972.6	2986.6	2962.7
5202.7	35°	5301.2	5081.8	4141.1	3287.6	2888.2	2808.1	2787.0	2792.6	2796.8	2774.3
5746.9	37.5°	5763.8	5392.6	4072.2	3057.0	2754.6	2668.9	2623.9	2585.9	2563.4	2542.3
6362.8	40°	6271.4	5731.4	3945.6	2832.0	2605.6	2521.2	2453.7	2382.0	2306.1	2278.0
7015.2	42.5°	6802.9	6080.2	3792.4	2616.8	2434.0	2365.1	2293.4	2189.4	2075.5	2017.8
7693.0	45°	7354.1	6437.3	3641.9	2404.5	2258.3	2228.7	2145.8	2020.6	1896.9	1823.8
8372.2	47.5°	7894.1	6774.8	3421.1	2190.8	2093.7	2126.1	2061.4	1946.1	1808.3	1693.0
9045.7	50°	8410.1	7091.2	3059.8	1974.2	1960.2	2095.2	2033.3	1867.4	1709.9	1562.2
9706.6	52.5°	8922.0	7347.1	2597.1	1777.4	1888.4	2086.7	1996.7	1813.9	1621.3	1466.6
10328.1	55°	9356.5	7479.3	2151.4	1608.6	1784.4	2015.0	1953.1	1750.6	1496.1	1331.6
10754.2	57.5°	9604.0	7372.4	1780.2	1442.7	1641.0	1896.9	1878.6	1615.7	1347.1	1220.5
10837.1	60°	9497.1	6939.3	1476.4	1297.9	1504.6	1768.9	1749.2	1482.1	1233.2	1113.7
10392.8	62.5°	8907.9	6113.9	1236.0	1171.3	1380.8	1638.2	1619.9	1379.4	1146.0	1030.7
9213.0	65°	7721.1	4973.5	1049.0	1065.9	1255.7	1480.7	1507.4	1293.7	1077.1	964.6
7127.7	67.5°	5888.9	3602.5	902.7	974.5	1133.4	1326.0	1403.3	1231.8	1019.5	912.6
4124.2	70°	3356.5	2045.9	779.0	885.9	1025.1	1182.6	1323.2	1182.6	957.6	869.0
1545.4	72.5°	1272.6	939.3	673.5	797.3	921.0	1061.6	1234.6	1105.2	885.9	819.8
798.7	75°	*679.2*	*572.3*	*566.7*	*693.2*	*801.5*	*943.5*	*1123.5*	*1029.3*	*832.4*	*866.2*
552.6	77.5°	462.6	405.0	473.9	593.4	670.7	812.8	1005.4	914.0	721.4	718.5
382.5	80°	320.6	286.9	385.3	478.1	518.9	683.4	877.4	784.6	587.8	548.4
236.2	82.5°	192.6	187.0	288.3	357.2	367.0	527.3	727.0	658.1	480.9	419.0
140.6	85°	105.5	111.1	184.2	209.5	213.7	368.4	569.5	509.0	369.8	310.8
50.6	87.5°	29.5	38.0	67.5	83.0	102.6	191.2	338.9	302.3	185.6	129.4
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°
3466.1
3720.7
3882.4
3928.8
3903.5
3844.4
3762.8
3625.0
3474.6
3379.0
3300.2
3213.0
3116.0
2974.0
2789.8
2556.4
2290.6
2024.8
1818.1
1680.3
1549.6
1449.7
1317.6
1203.7
1096.8
1012.4
946.3
895.7
857.7
808.5
894.3
662.3
524.5
421.8
313.6
129.4
0.0

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