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

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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: P941918

Luminaire Tested: **GALN-SB5C-935-U-T4FT-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P941918
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB5C-935-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19926 lumens
Efficiency:	N/A
Efficacy:	79.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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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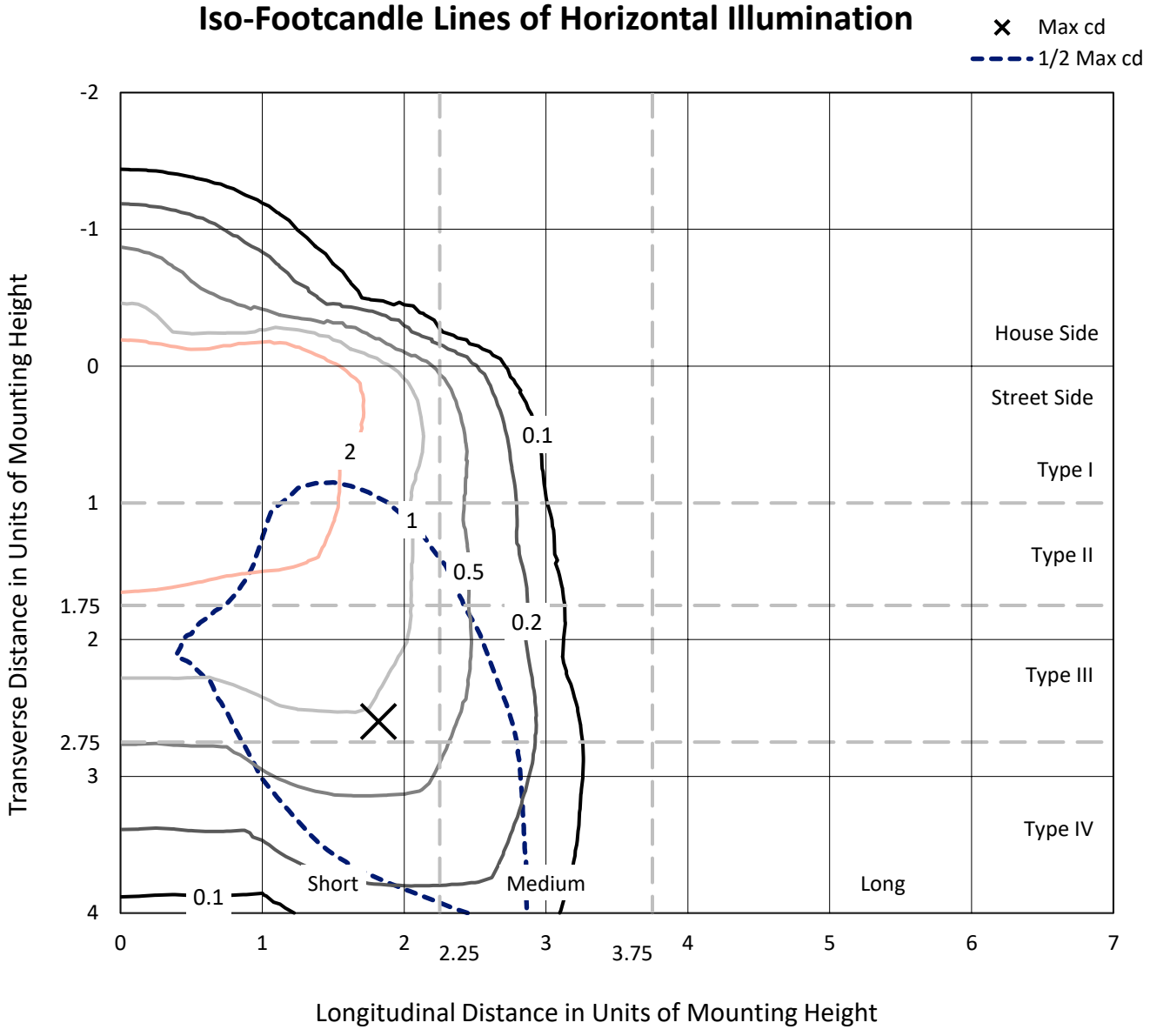
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type IV - Short - N/A

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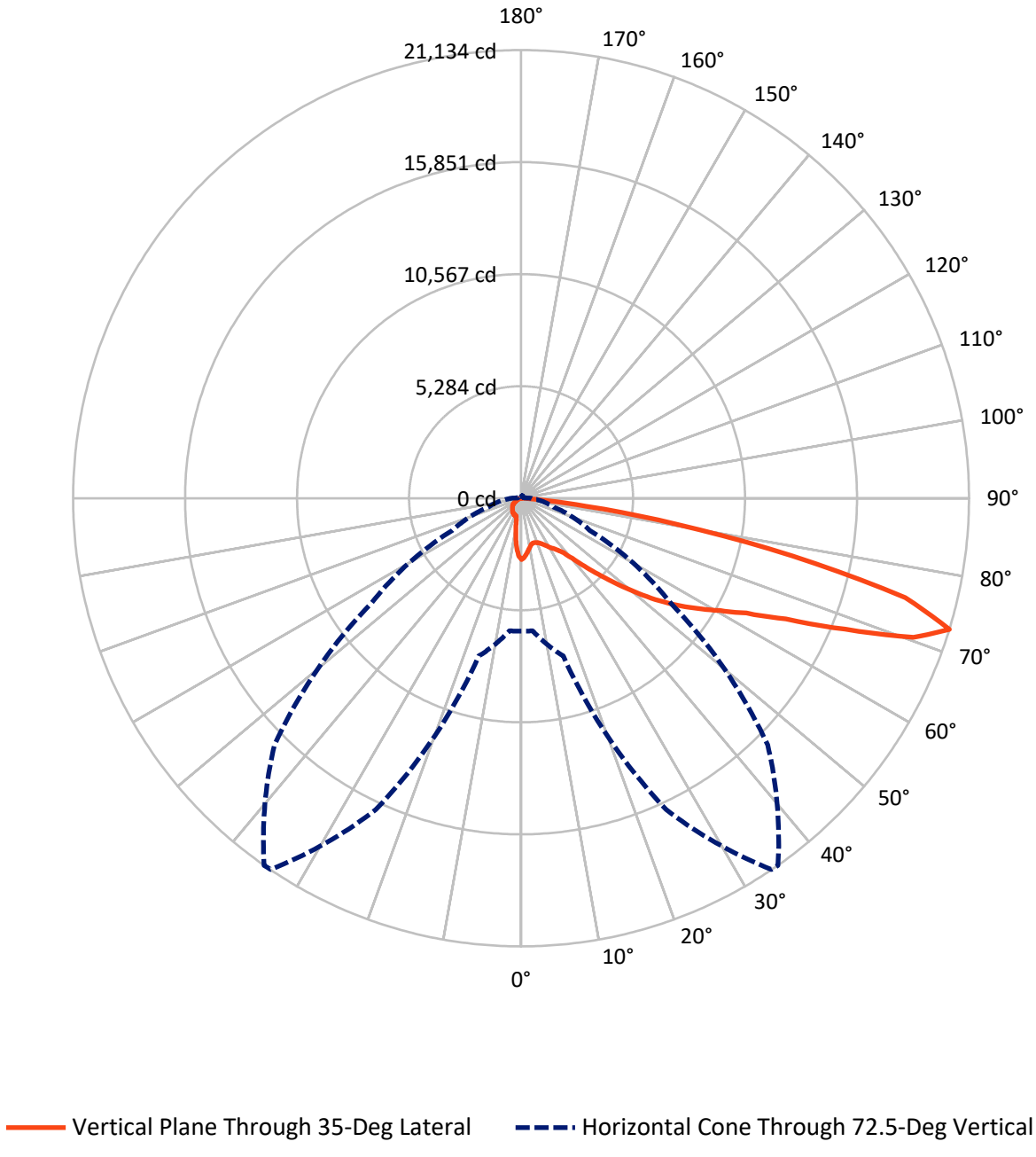
Luminous Intensity Polar Plot



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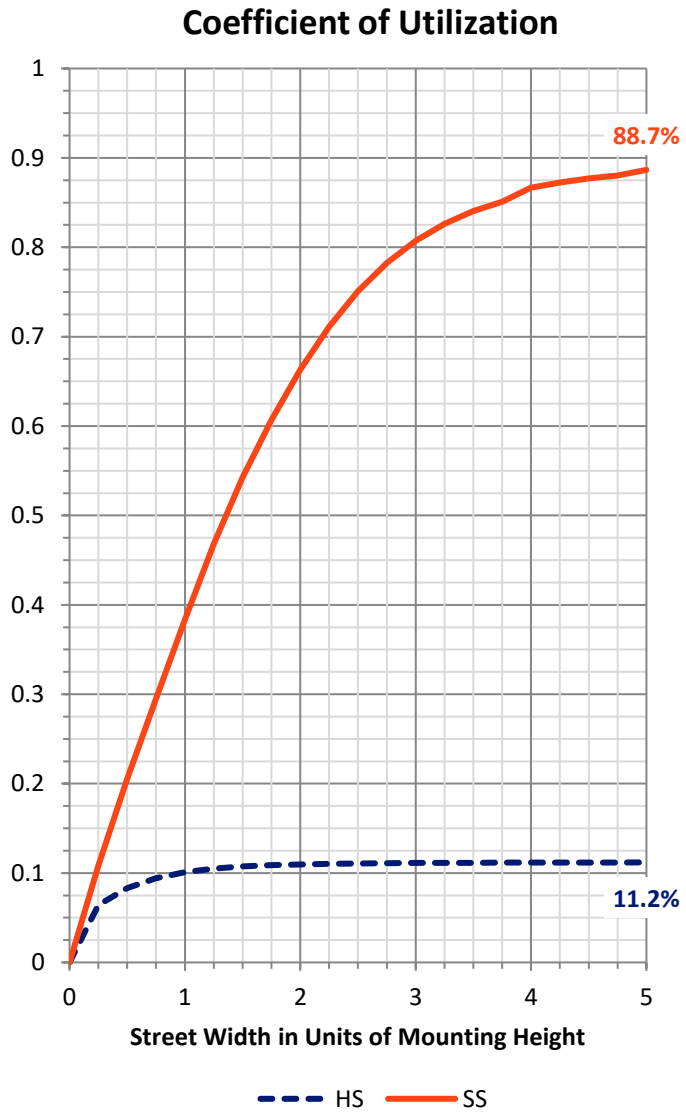
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2242.6	0.0	2242.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17683.4	0.0	17683.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	19926.0	0.0	19926.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.3	1.2
10°-20°	555.2	2.8
20°-30°	901.8	4.5
30°-40°	1504.7	7.6
40°-50°	2847.0	14.3
50°-60°	4523.8	22.7
60°-70°	5596.3	28.1
70°-80°	3478.7	17.5
80°-90°	281.1	1.4
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°	19926.0	100.0
0°-180°	19926.0	100.0



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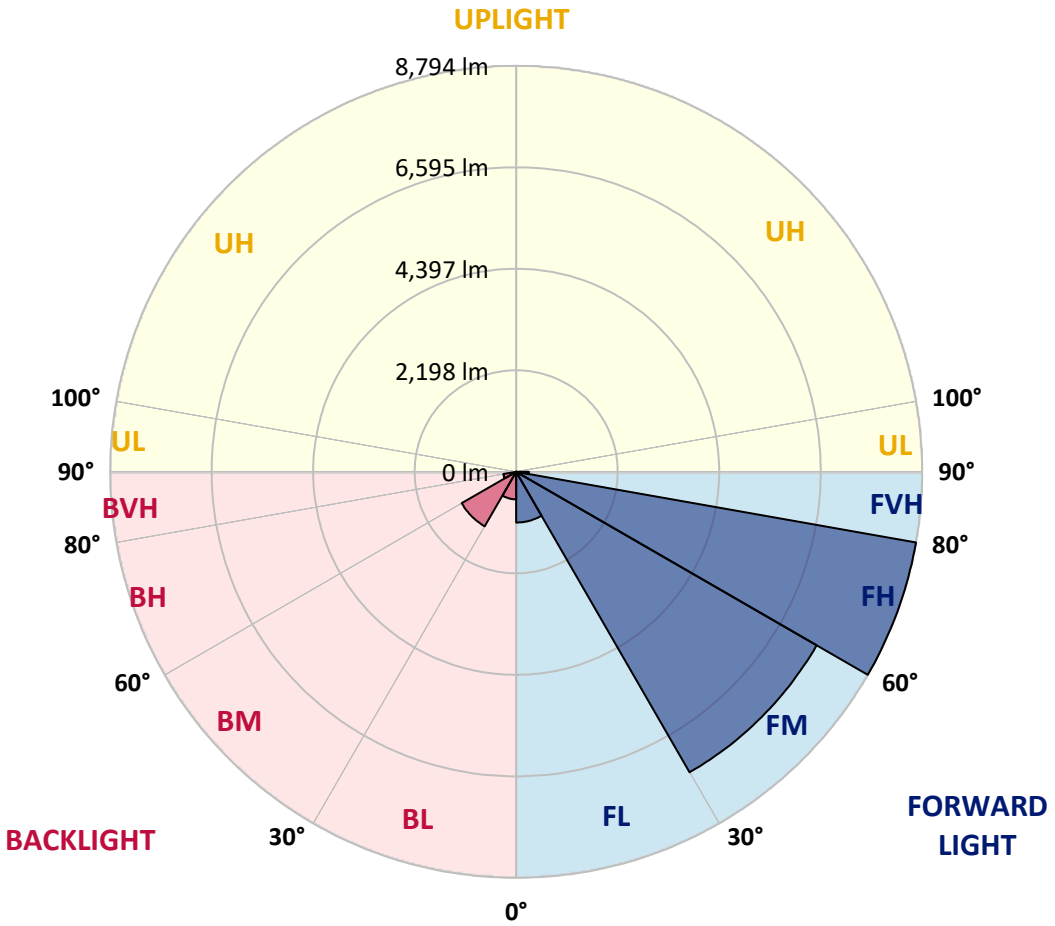
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1098.4	5.5			
FM	(30°-60°)	7514.1	37.7			
FH	(60°-80°)	8793.6	44.1			G4/12000
FVH	(80°-90°)	277.3	1.4			G3/500
BL	(0°-30°)	595.9	3.0	B2/1000		
BM	(30°-60°)	1361.4	6.8	B2/2500		
BH	(60°-80°)	281.4	1.4	B1/500		G1/500
BVH	(80°-90°)	3.8	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9
2.5°	2759.5	2782.8	2787.2	2794.5	2794.5	2803.3	2817.9	2838.3	2871.9	2889.4
5°	2543.4	2560.9	2582.8	2600.3	2633.9	2638.3	2695.2	2750.7	2828.1	2886.5
7.5°	2325.8	2346.3	2375.5	2417.8	2461.6	2474.8	2560.9	2654.3	2777.0	2886.5
10°	2172.5	2174.0	2200.3	2242.6	2312.7	2328.8	2433.9	2566.7	2720.0	2869.0
12.5°	2086.4	2096.6	2108.3	2140.4	2207.6	2217.8	2330.2	2486.4	2663.1	2858.7
15°	2086.4	2093.7	2101.0	2117.0	2171.1	2179.8	2279.1	2435.3	2633.9	2863.1
17.5°	2108.3	2120.0	2114.1	2133.1	2190.0	2195.9	2283.5	2420.7	2632.4	2890.9
20°	2160.8	2169.6	2157.9	2169.6	2226.6	2238.2	2328.8	2448.5	2657.3	2939.0
22.5°	2244.1	2248.5	2220.7	2229.5	2287.9	2302.5	2407.6	2527.3	2717.1	3016.4
25°	2349.2	2358.0	2315.6	2325.8	2381.3	2398.8	2520.0	2645.6	2812.0	3123.0
27.5°	2470.4	2474.8	2438.3	2436.8	2508.3	2533.2	2655.8	2791.6	2939.0	3257.3
30°	2609.1	2622.2	2587.2	2581.3	2671.9	2692.3	2813.5	2971.2	3125.9	3458.8
32.5°	2718.6	2728.8	2708.4	2723.0	2814.9	2831.0	3004.7	3225.2	3419.4	3745.0
35°	2876.3	2882.1	2835.4	2861.7	2966.8	3007.7	3266.1	3581.5	3788.8	4104.2
37.5°	3447.1	3447.1	3248.6	3118.6	3219.4	3255.9	3623.8	4029.7	4244.3	4586.0
40°	4237.0	4223.9	3933.3	3667.6	3654.5	3726.0	4133.4	4594.7	4832.7	5164.1
42.5°	5079.5	5059.0	4663.3	4400.5	4356.7	4381.6	4721.7	5291.2	5533.5	5869.3
45°	5827.0	5821.2	5459.1	5105.7	5026.9	5105.7	5456.1	6105.9	6279.6	6632.9
47.5°	6453.3	6453.3	6189.1	5958.4	5917.5	5964.2	6450.4	7009.6	6993.6	7446.2
50°	7174.6	7168.8	6917.6	6818.4	6860.7	6926.4	7595.1	7961.6	7732.3	8244.8
52.5°	7679.8	7714.8	7628.7	7612.6	7828.7	7942.6	8757.3	8893.1	8393.7	9002.6
55°	8079.8	8120.7	8220.0	8332.4	8748.5	8897.4	9883.0	9776.4	8947.1	9659.6
57.5°	8646.3	8587.9	8741.2	8963.1	9636.2	9815.8	10973.6	10610.1	9392.4	10192.5
60°	9334.0	9342.8	9369.0	9649.4	10522.5	10753.1	12048.2	11398.5	9678.6	10519.5
62.5°	10160.4	10173.5	10227.5	10658.2	11712.4	11929.9	13192.9	12043.8	9810.0	10427.6
65°	10103.4	10158.9	10761.9	12235.1	13521.4	13736.0	14528.8	12496.4	9611.4	9586.6
67.5°	9204.0	9294.6	10303.5	14118.5	16248.7	16488.2	16143.6	12585.5	8754.4	7454.9
70°	8024.3	8056.5	9269.8	15812.2	19406.8	19649.1	17589.0	11605.8	6643.2	4158.2
72.5°	6266.5	6273.8	7697.3	16204.9	21120.8	21134.0	16454.6	8615.7	3572.7	1597.3
75°	4476.5	4432.7	5155.4	13141.8	18581.8	18730.8	12335.8	4041.4	1365.1	754.8
77.5°	2400.3	2448.5	2917.1	7793.7	12836.6	13090.7	6730.8	1165.1	695.0	513.9
80°	741.7	782.6	1195.8	3568.3	7271.0	7424.3	2495.2	518.3	484.7	366.5
82.5°	233.6	242.4	557.7	1499.5	3017.9	3088.0	722.7	293.5	331.4	242.4
85°	67.2	68.6	248.2	559.2	746.1	760.7	202.9	113.9	189.8	150.4
87.5°	7.3	23.4	93.4	93.4	65.7	64.2	21.9	24.8	54.0	19.0
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°
2887.9	0°	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9
2901.1	2.5°	2893.8	2895.2	2876.3	2844.1	2809.1	2779.9	2743.4	2714.2	2693.8	2687.9
2927.4	5°	2914.2	2904.0	2850.0	2752.2	2635.4	2534.6	2422.2	2333.1	2274.7	2249.9
2955.1	7.5°	2944.9	2915.7	2797.4	2604.7	2381.3	2182.7	1981.3	1825.0	1725.8	1676.1
2981.4	10°	2971.2	2912.8	2709.8	2391.5	2049.9	1749.1	1477.6	1289.2	1184.1	1134.4
3012.0	12.5°	2996.0	2911.3	2595.9	2138.9	1676.1	1308.2	1055.6	962.2	933.0	922.7
3061.7	15°	3042.7	2915.7	2452.9	1849.9	1303.8	988.4	896.5	895.0	900.8	897.9
3137.6	17.5°	3107.0	2920.1	2290.8	1543.3	1006.0	871.6	867.3	880.4	889.2	884.8
3232.5	20°	3190.2	2937.6	2118.5	1239.6	864.3	842.4	852.7	864.3	871.6	864.3
3359.5	22.5°	3307.0	2968.2	1930.2	995.7	819.1	824.9	833.7	846.8	854.1	843.9
3521.6	25°	3450.1	3016.4	1744.7	865.8	797.2	804.5	817.6	832.2	841.0	830.8
3726.0	27.5°	3635.5	3093.8	1573.9	836.6	775.3	779.7	798.6	820.5	832.2	819.1
4016.6	30°	3904.1	3220.8	1426.5	849.7	762.1	751.9	778.2	808.9	822.0	810.3
4412.2	32.5°	4260.4	3400.4	1335.9	870.2	756.3	719.8	744.6	784.0	805.9	798.6
4929.1	35°	4727.6	3673.4	1300.9	893.5	751.9	686.2	703.7	746.1	784.0	791.3
5580.2	37.5°	5294.1	4053.1	1311.1	903.8	738.8	658.5	667.2	703.7	753.4	776.7
6313.2	40°	5938.0	4495.4	1369.5	893.5	724.2	635.1	636.6	664.3	708.1	743.2
7101.6	42.5°	6602.3	5012.3	1477.6	855.6	711.0	614.7	610.3	629.3	658.5	683.3
7888.6	45°	7234.5	5543.7	1584.1	803.0	695.0	594.2	584.0	591.3	597.2	607.4
8655.1	47.5°	7786.4	5917.5	1553.5	754.8	673.1	570.9	553.4	550.4	532.9	531.5
9339.8	50°	8167.4	5999.3	1379.7	706.7	641.0	544.6	516.9	499.3	468.7	454.1
9852.3	52.5°	8288.6	5676.6	1127.1	658.5	588.4	509.6	470.1	442.4	404.4	391.3
10147.2	55°	8128.0	5044.4	900.8	600.1	515.4	462.8	419.0	382.5	351.9	335.8
10179.4	57.5°	7735.3	4239.9	712.5	531.5	438.0	410.3	366.5	330.0	303.7	287.6
9823.1	60°	7084.1	3366.8	563.6	449.7	373.8	353.3	308.1	284.7	261.3	242.4
8903.3	62.5°	6095.6	2403.2	442.4	356.2	312.4	289.1	262.8	245.3	217.5	191.3
7249.1	65°	4756.8	1470.3	341.6	261.3	251.1	239.4	223.4	207.3	173.7	147.5
4729.0	67.5°	3000.4	696.4	243.8	197.1	198.6	192.7	185.4	172.3	147.5	124.1
2118.5	70°	1321.3	337.3	160.6	150.4	147.5	147.5	153.3	148.9	125.6	103.7
735.9	72.5°	*449.7*	*181.0*	*119.7*	*113.9*	*106.6*	*105.1*	*128.5*	*124.1*	*100.7*	*80.3*
366.5	75°	235.1	121.2	87.6	81.8	64.2	77.4	102.2	96.4	71.5	52.6
242.4	77.5°	153.3	86.1	59.9	52.6	36.5	51.1	75.9	67.2	42.3	26.3
159.1	80°	96.4	56.9	35.0	24.8	17.5	27.7	40.9	29.2	16.1	5.8
93.4	82.5°	51.1	29.2	13.1	8.8	7.3	8.8	10.2	7.3	2.9	0.0
48.2	85°	20.4	10.2	4.4	2.9	1.5	0.0	2.9	1.5	0.0	0.0
8.8	87.5°	7.3	1.5	0.0	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

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180°
2887.9
2698.1
2258.7
1683.4
1135.9
919.8
896.5
883.3
862.9
842.4
829.3
819.1
808.9
798.6
791.3
782.6
754.8
693.5
613.2
530.0
455.5
389.8
335.8
284.7
238.0
186.9
143.1
121.2
99.3
75.9
48.2
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