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: STREETWORKS

Report Number: P949845

Luminaire Tested: **GLAN-SB4C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P949845
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB4C-722-U-T3R-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20643 lumens
Efficiency:	N/A
Efficacy:	102.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	200.7
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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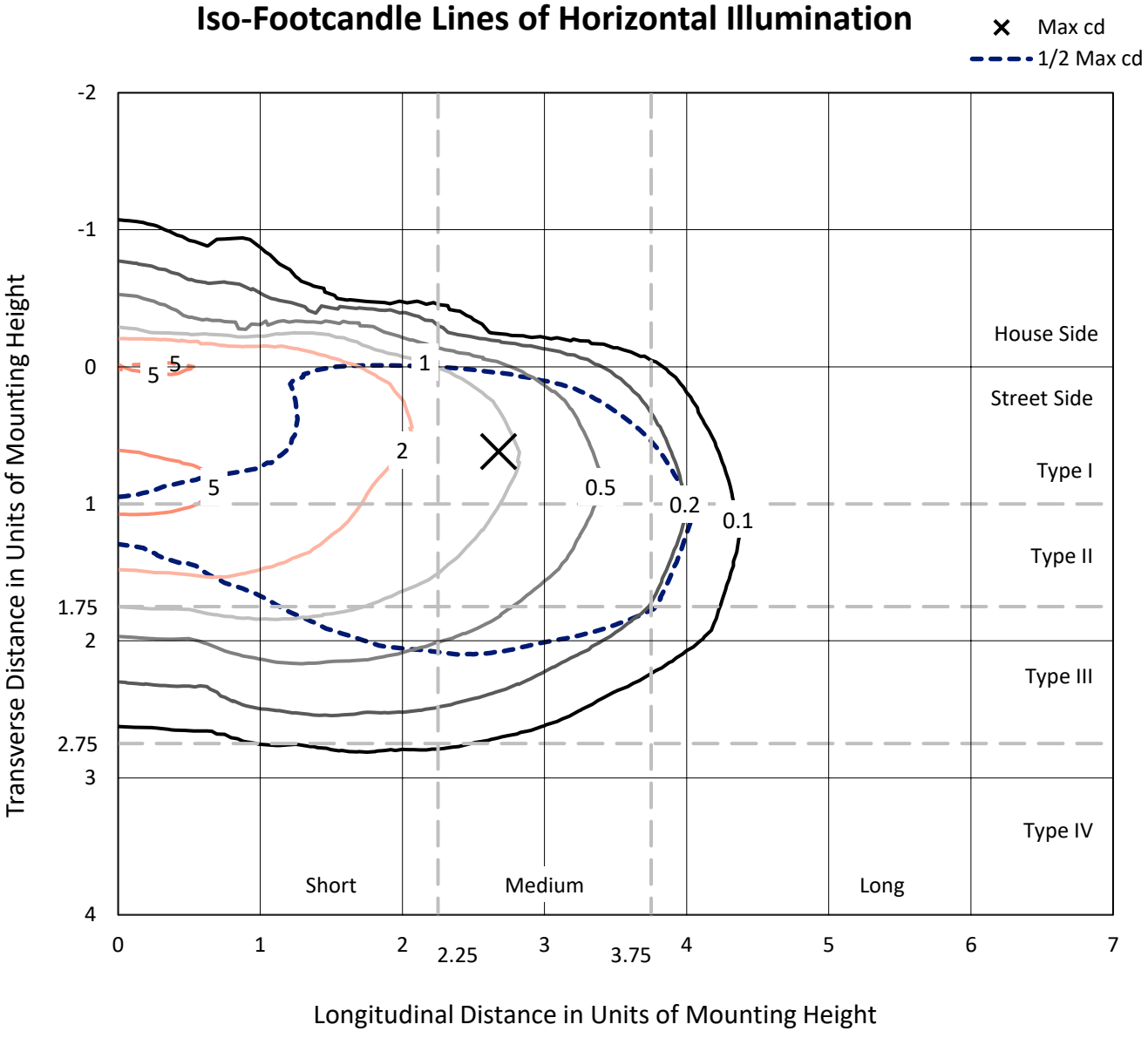
Iso-Footcandle Lines of Horizontal Illumination



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

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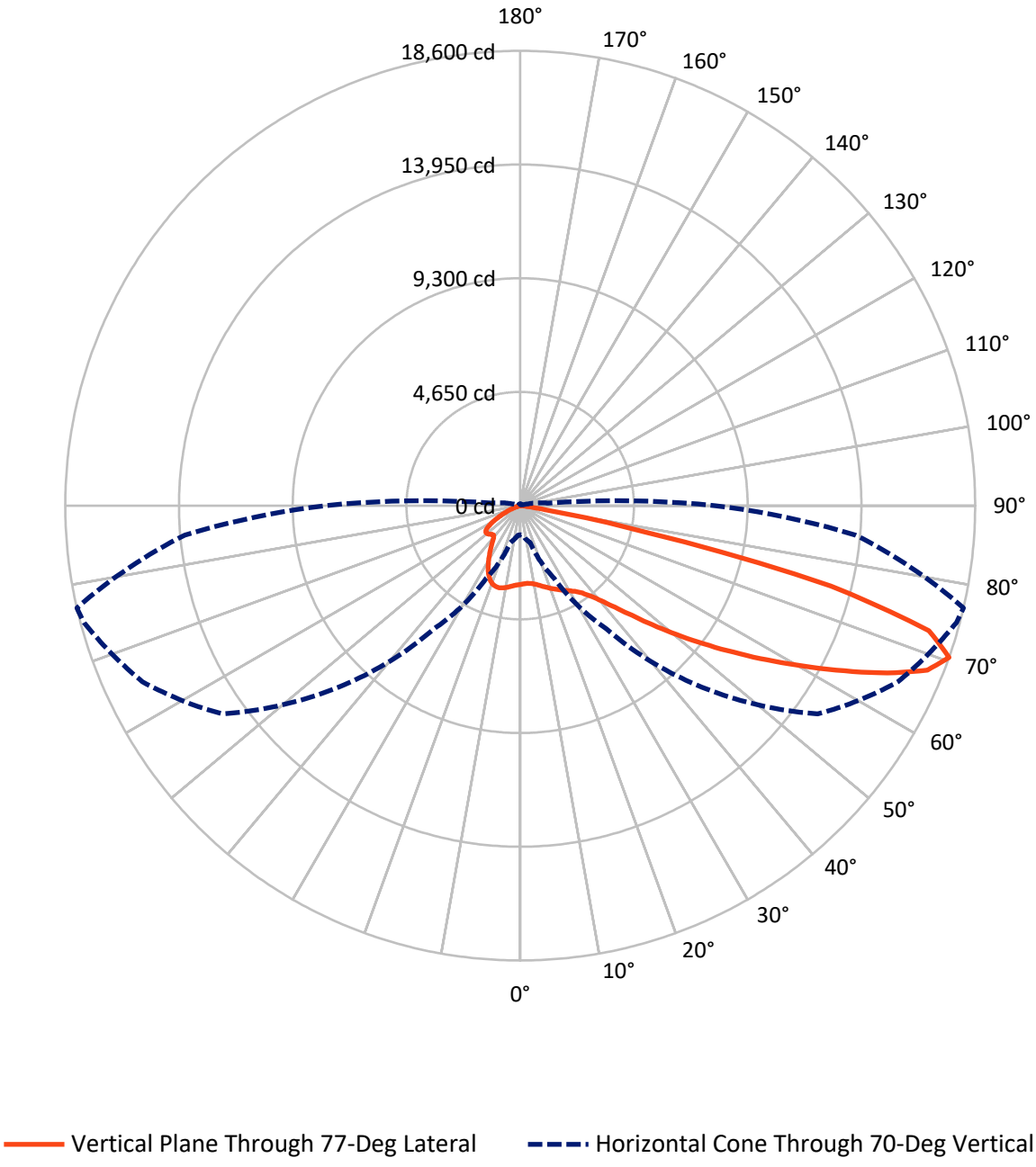
Luminous Intensity Polar Plot



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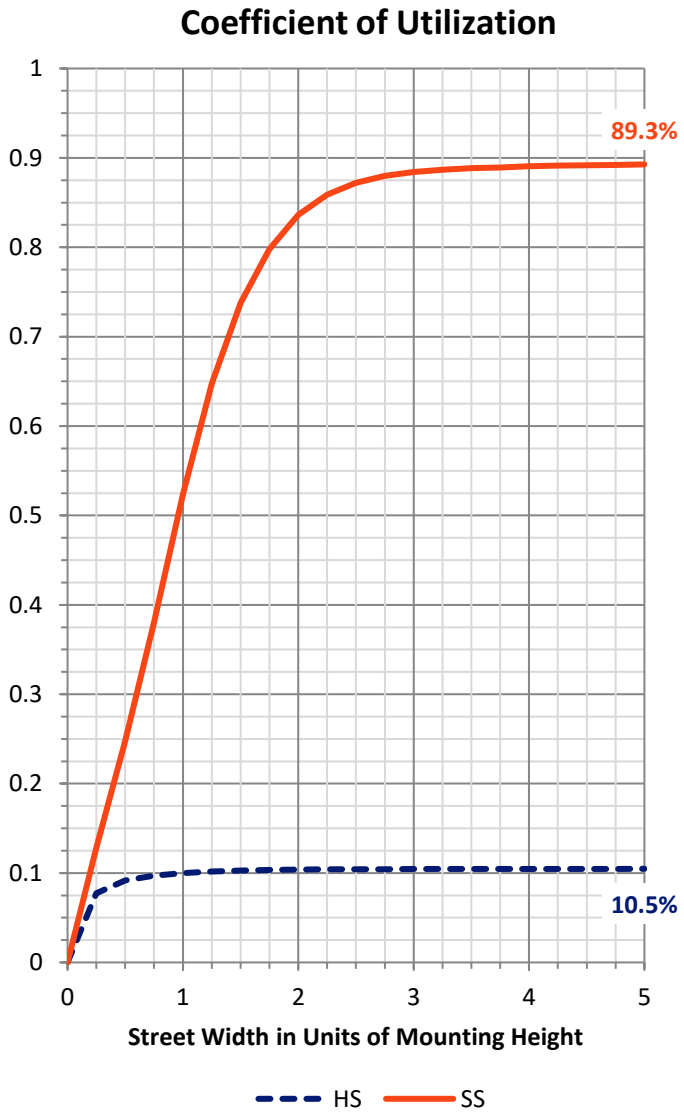
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2176.1	0.0	2176.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	18466.9	0.0	18466.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	20643.0	0.0	20643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.5	1.3
10°-20°	658.8	3.2
20°-30°	1018.9	4.9
30°-40°	1848.9	9.0
40°-50°	3490.0	16.9
50°-60°	5042.8	24.4
60°-70°	5368.0	26.0
70°-80°	2844.6	13.8
80°-90°	93.4	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°	20643.0	100.0
0°-180°	20643.0	100.0



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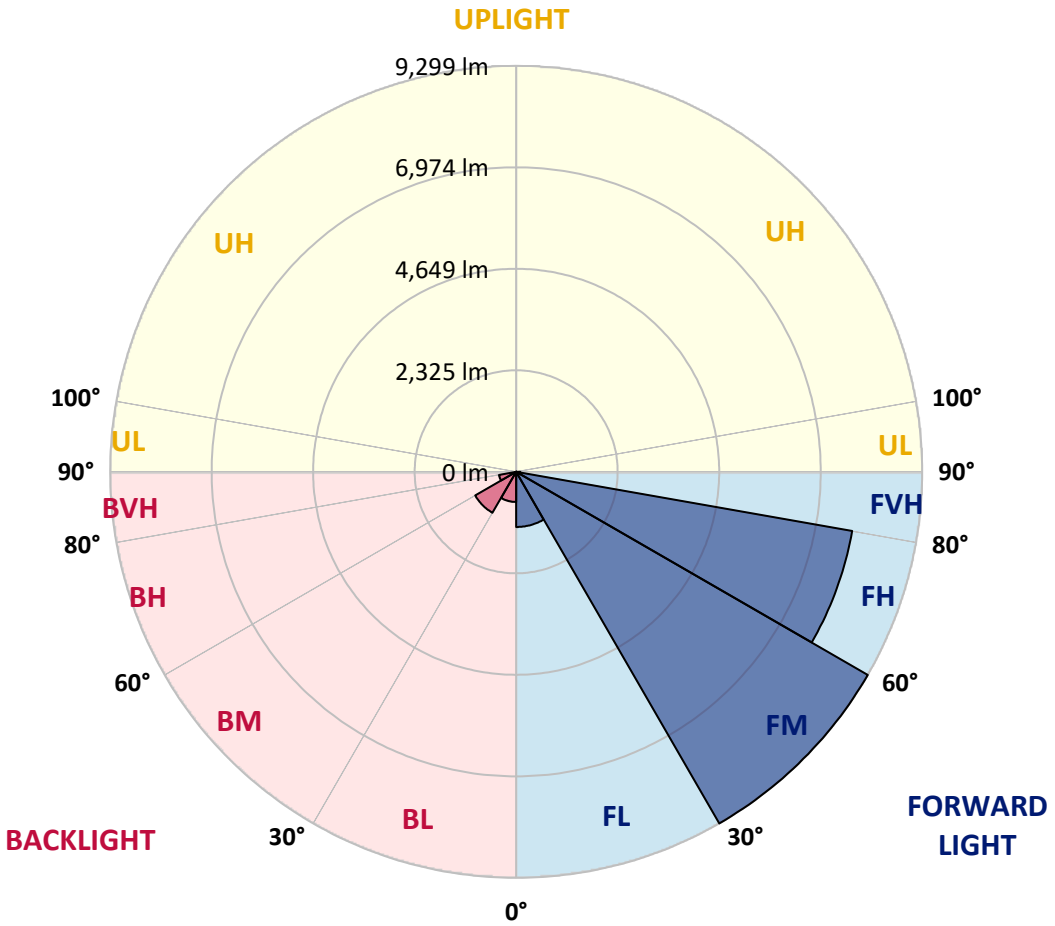
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1263.8	6.1			
FM	(30°-60°)	9298.5	45.0			
FH	(60°-80°)	7813.7	37.9			G4/12000
FVH	(80°-90°)	90.9	0.4			G1/100
BL	(0°-30°)	691.4	3.3	B2/1000		
BM	(30°-60°)	1083.3	5.2	B2/2500		
BH	(60°-80°)	398.9	1.9	B1/500		G1/500
BVH	(80°-90°)	2.5	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9	*3219.9*
2.5°	3023.1	3050.5	3046.6	3064.8	3071.3	3097.4	3123.5	3158.7	3197.8	*3196.5*
5°	2852.3	2879.7	2886.2	2911.0	2942.3	2982.7	3036.1	3106.5	3179.5	*3191.3*
7.5°	2650.3	2678.9	2695.9	2745.4	2802.8	2886.2	2973.6	3076.5	3197.8	*3214.7*
10°	2448.2	2474.3	2496.4	2566.8	2658.1	2781.9	2924.0	3072.6	3235.6	*3260.3*
12.5°	2323.0	2347.8	2372.6	2433.9	2547.3	2698.5	2891.4	3090.9	3298.2	*3333.3*
15°	2278.7	2300.9	2320.4	2375.2	2480.8	2652.9	2884.9	3128.7	3377.7	*3424.6*
17.5°	2285.2	2297.0	2310.0	2351.7	2454.7	2632.0	2896.6	3193.9	3471.5	*3513.2*
20°	2323.0	2329.6	2330.9	2359.5	2450.8	2629.4	2920.1	3256.4	3560.2	*3616.2*
22.5°	2371.3	2373.9	2371.3	2390.8	2475.6	2649.0	2951.4	3332.0	3659.3	*3711.4*
25°	2596.8	2547.3	2484.7	2446.9	2517.3	2686.8	2998.3	3433.7	3767.5	*3818.3*
27.5°	3296.8	3154.8	2930.5	2678.9	2603.3	2741.5	3063.5	3536.7	3877.0	*3922.6*
30°	4433.6	4247.2	3866.5	3299.5	2879.7	2856.2	3148.2	3639.7	3993.0	*4042.5*
32.5°	5573.0	5527.3	5088.0	4303.2	3501.5	3111.7	3289.0	3779.2	4146.8	*4185.9*
35°	6725.4	6632.8	6273.0	5497.4	4459.7	3631.9	3523.7	3961.7	4348.9	*4393.2*
37.5°	7607.9	7551.9	7328.9	6690.2	5596.4	4434.9	3925.2	4244.6	4642.2	*4691.7*
40°	8387.5	8361.4	8285.8	7864.7	6867.5	5485.6	4549.6	4682.6	5048.9	*5107.6*
42.5°	9000.2	9061.4	9104.5	8987.1	8177.6	6685.0	5389.2	5297.9	5616.0	*5676.0*
45°	9627.2	9648.1	9821.5	9990.9	9478.6	7939.0	6335.6	6018.8	6321.2	*6395.5*
47.5°	10030.0	10113.5	10418.5	10717.0	10572.3	9182.7	7352.4	6870.1	7138.6	*7278.1*
50°	10060.0	10217.8	10637.5	11157.7	11368.8	10366.4	8457.9	7840.0	8125.4	*8279.3*
52.5°	9560.7	9805.8	10456.3	11217.6	11799.0	11368.8	9601.1	8809.8	9176.2	*9376.9*
55°	7330.2	7650.9	9774.5	10891.7	11816.0	12128.9	10714.4	9820.2	10346.8	*10573.6*
57.5°	6386.4	6548.1	7684.8	10326.0	11501.8	12435.2	11720.8	10782.2	11620.4	*11902.0*
60°	5313.5	5526.0	6445.1	9400.4	11075.5	12465.2	12609.9	12023.3	13001.0	*13317.8*
62.5°	3611.0	3841.8	4755.6	7810.0	10492.8	12450.9	13338.6	13300.8	14535.3	*14875.6*
65°	2237.0	2381.7	2984.0	6377.3	9678.1	12466.5	14101.2	14852.1	16154.4	*16499.9*
67.5°	1767.7	1834.2	2148.4	4896.4	8274.1	12114.5	14862.5	16310.9	17678.4	*17952.1*
70°	*1187.6*	*1228.0*	*1563.0*	*3282.5*	*6155.7*	*10490.2*	*14848.2*	*17043.5*	*18463.1*	*18600.0*
72.5°	625.7	657.0	913.8	1520.0	3717.9	7456.7	12516.0	16167.5	17682.3	*17476.3*
75°	312.9	365.0	615.3	771.7	1587.8	4158.5	7772.2	12746.8	13917.4	*13119.6*
77.5°	237.3	286.8	508.4	508.4	552.7	1400.1	3291.6	6952.2	6412.5	*5339.6*
80°	151.2	195.5	444.5	384.6	230.7	355.9	857.8	1947.6	1362.3	*1036.4*
82.5°	88.6	127.8	370.2	254.2	129.1	131.7	242.5	414.6	353.3	*275.1*
85°	35.2	83.4	254.2	100.4	50.8	32.6	73.0	88.6	73.0	*54.8*
87.5°	0.0	19.6	44.3	0.0	3.9	2.6	5.2	6.5	6.5	*5.2*
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°
3219.9	0°	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9	3219.9
3222.5	2.5°	3234.3	3236.9	3244.7	3246.0	3227.8	3204.3	3195.2	3191.3	3175.6	3174.3
3243.4	5°	3273.4	3285.1	3273.4	3239.5	3158.7	3045.3	2959.2	2888.8	2824.9	2805.4
3315.1	7.5°	3351.6	3363.3	3328.1	3195.2	2991.8	2766.3	2562.9	2419.5	2290.5	2242.2
3402.4	10°	3463.7	3479.4	3368.5	3100.0	2740.2	2377.8	2033.6	1791.2	1602.1	1525.2
3521.1	12.5°	3604.5	3611.0	3390.7	2955.3	2413.0	1895.5	1407.9	1148.5	980.3	917.7
3664.5	15°	3759.6	3750.5	3393.3	2758.5	1967.2	1340.1	919.1	754.8	687.0	666.1
3807.9	17.5°	3922.6	3884.8	3341.2	2474.3	1478.3	916.4	681.8	642.7	631.0	625.7
3950.0	20°	4082.9	3998.2	3246.0	2102.7	1061.1	684.4	619.2	607.5	601.0	598.4
4093.4	22.5°	4228.9	4084.2	3083.1	1671.2	770.4	604.9	585.3	574.9	563.2	557.9
4232.8	25°	4371.0	4133.8	2853.6	1268.4	616.6	565.8	550.1	530.6	514.9	508.4
4382.8	27.5°	4509.2	4165.1	2566.8	938.6	550.1	529.3	500.6	473.2	461.5	458.9
4543.1	30°	4656.5	4175.5	2240.9	700.0	509.7	483.6	441.9	410.6	404.1	405.4
4759.5	32.5°	4836.4	4191.1	1912.4	573.6	475.8	428.9	379.4	346.8	341.5	346.8
5075.0	35°	5051.5	4222.4	1595.6	528.0	445.8	372.8	319.4	292.0	286.8	290.7
5479.1	37.5°	5343.5	4273.3	1299.7	518.8	421.1	325.9	268.5	246.4	246.4	247.7
5974.5	40°	5732.0	4408.8	1035.1	512.3	408.0	290.7	226.8	217.7	221.6	224.2
6605.4	42.5°	6205.2	4696.9	856.5	504.5	393.7	275.1	206.0	202.1	208.6	211.2
7361.5	45°	6735.8	5061.9	793.9	491.5	380.7	285.5	196.8	191.6	199.5	200.8
8208.9	47.5°	7284.6	5419.1	786.1	477.1	367.6	301.1	194.2	182.5	191.6	192.9
9113.6	50°	7840.0	5652.5	793.9	455.0	346.8	301.1	195.5	173.4	181.2	185.1
10052.2	52.5°	8399.2	5759.4	788.7	406.7	310.3	282.9	195.5	165.6	173.4	176.0
11066.4	55°	8941.5	5738.5	709.2	335.0	263.3	250.3	190.3	159.0	164.3	165.6
12024.6	57.5°	9370.4	5447.8	561.9	260.7	213.8	208.6	173.4	151.2	155.1	153.8
12903.2	60°	9594.6	4809.0	401.5	200.8	168.2	164.3	152.5	140.8	143.4	136.9
13647.6	62.5°	9597.2	3964.3	268.5	159.0	134.3	130.4	130.4	126.5	123.8	110.8
14223.8	65°	9392.6	3027.0	178.6	126.5	108.2	101.7	109.5	108.2	99.1	80.8
14399.8	67.5°	8928.5	1984.1	135.6	99.1	83.4	79.5	87.3	91.3	84.7	67.8
13758.4	70°	*7974.2*	*1155.0*	*112.1*	*76.9*	*62.6*	*58.7*	*70.4*	*78.2*	*70.4*	*54.8*
11759.9	72.5°	6623.7	623.1	91.3	57.4	43.0	39.1	56.1	63.9	56.1	40.4
7545.3	75°	4298.0	333.7	70.4	37.8	22.2	24.8	41.7	46.9	39.1	26.1
2214.8	77.5°	1443.1	147.3	44.3	18.3	10.4	10.4	24.8	28.7	18.3	9.1
402.8	80°	322.0	61.3	18.3	7.8	3.9	3.9	5.2	5.2	2.6	0.0
123.8	82.5°	105.6	24.8	7.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0
31.3	85°	40.4	9.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.4	87.5°	15.6	1.3	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°
3219.9
3176.9
2793.7
2222.7
1492.6
898.2
666.1
624.4
595.8
556.6
505.8
456.3
405.4
345.5
289.4
246.4
224.2
211.2
202.1
194.2
186.4
176.0
165.6
153.8
135.6
106.9
78.2
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52.1
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