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: P947083

Luminaire Tested: **GLAN-SB2C-750-U-SL2**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P947083
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB2C-750-U-SL2
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15749 lumens
Efficiency:	N/A
Efficacy:	156.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	100.9
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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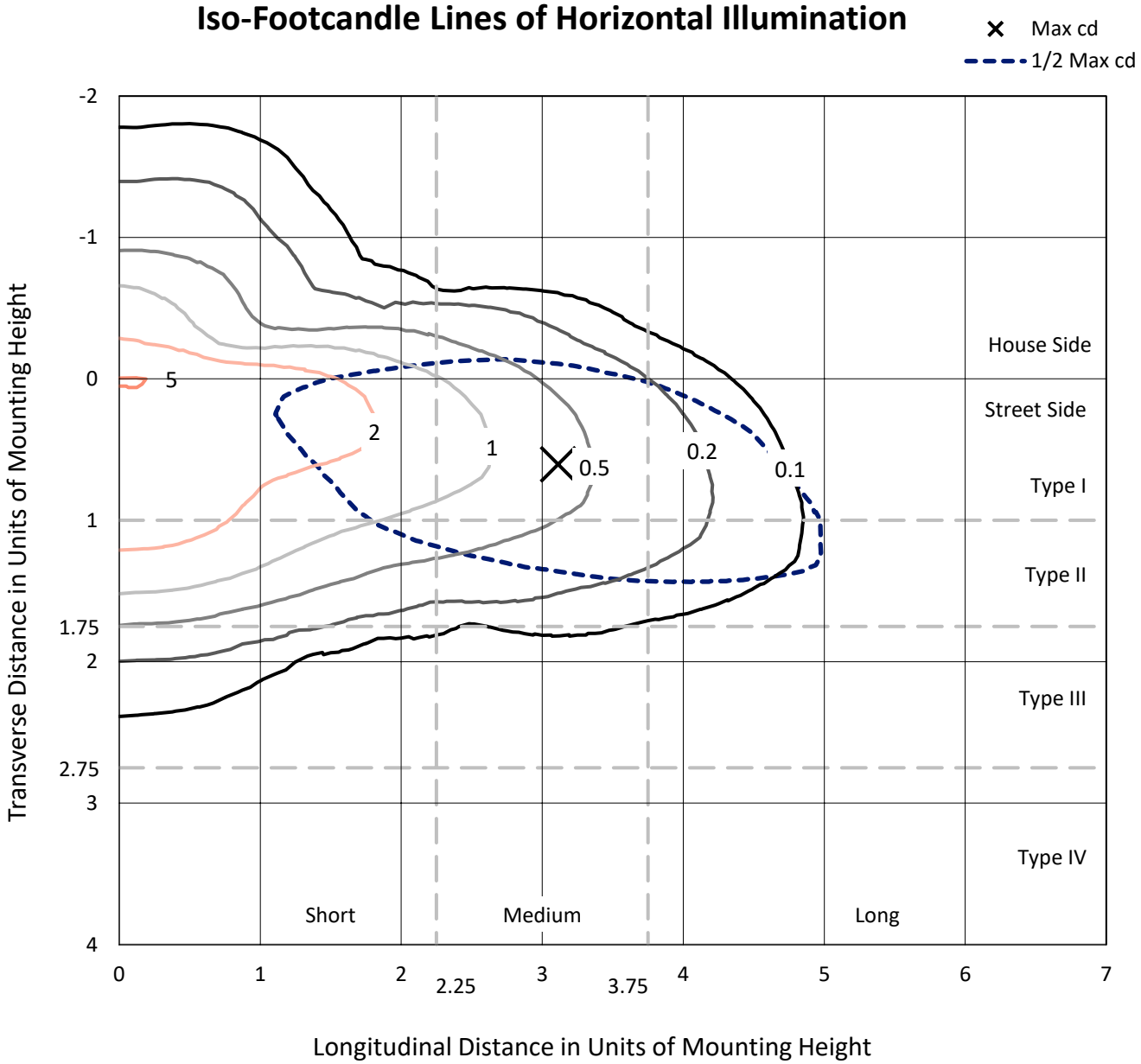
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
Type II - Medium - N/A

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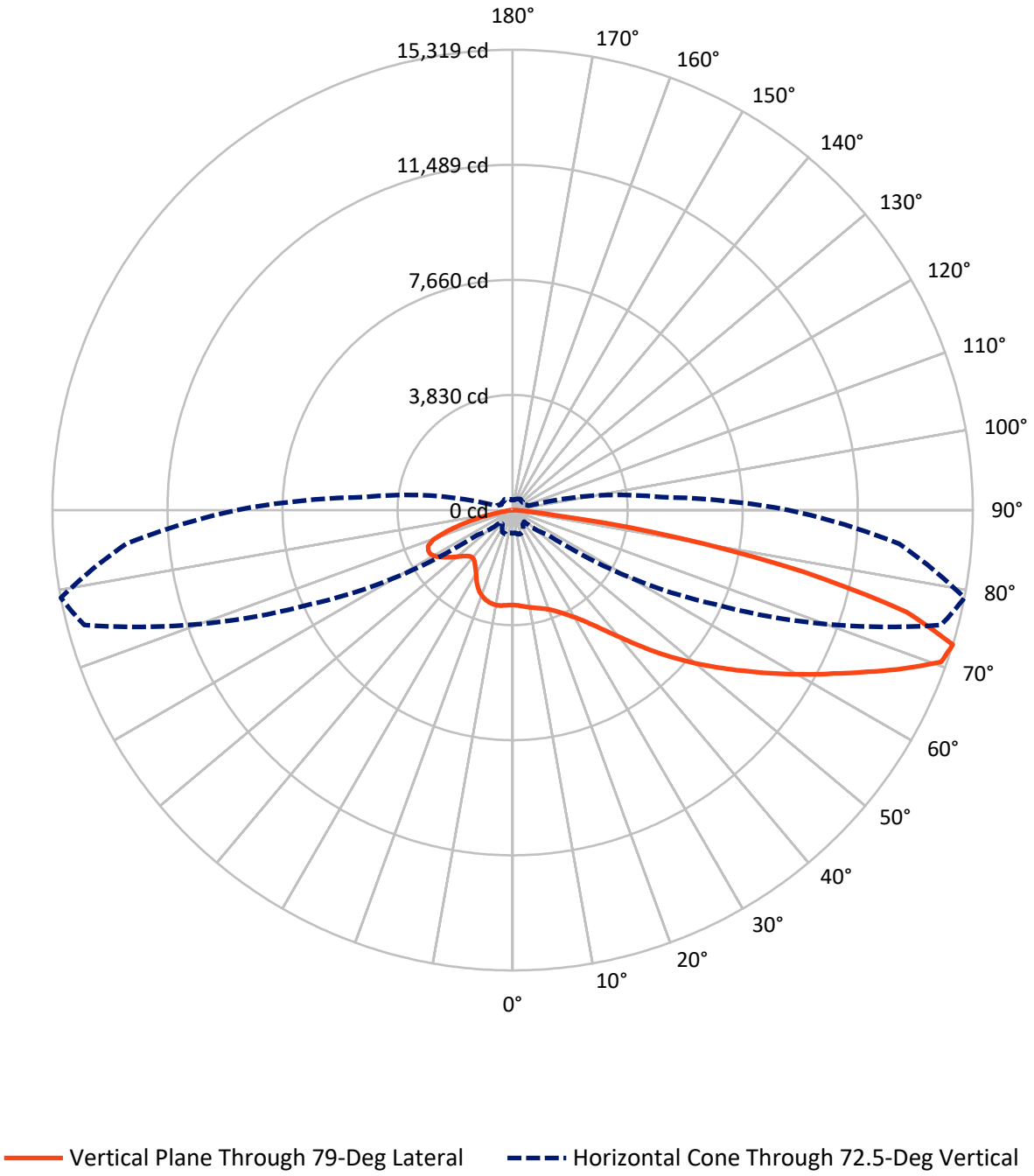
Luminous Intensity Polar Plot



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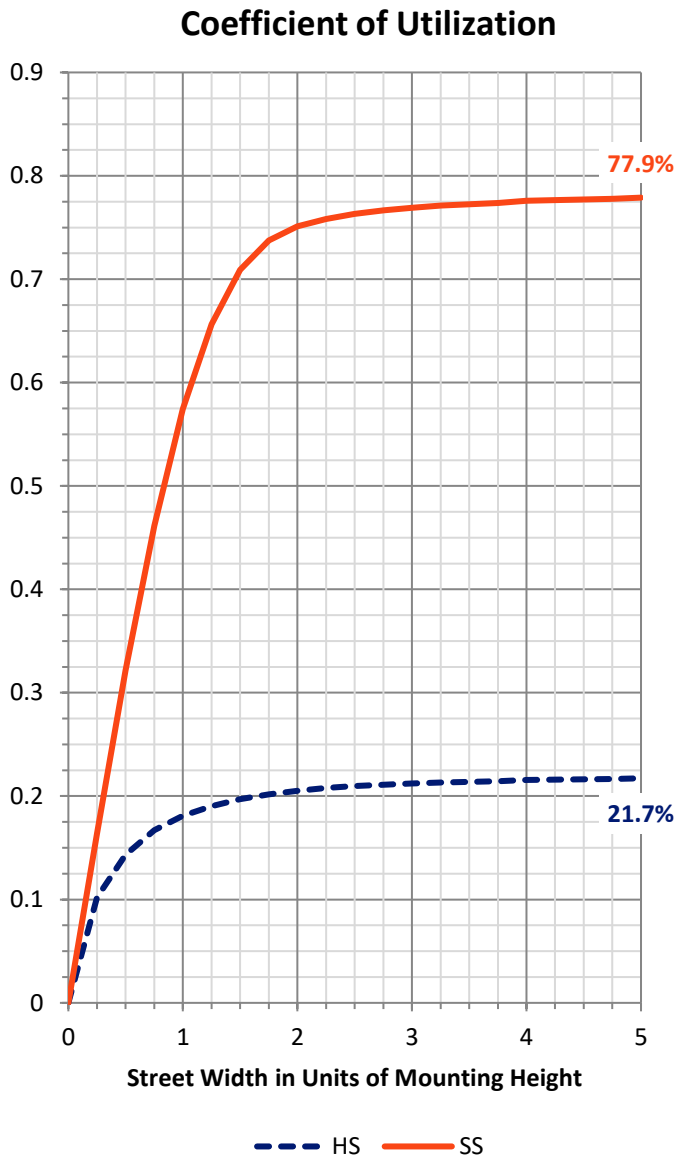
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3465.6	0.0	3465.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	12283.4	0.0	12283.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	15749.0	0.0	15749.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.0	1.8
10°-20°	750.3	4.8
20°-30°	1210.6	7.7
30°-40°	1817.0	11.5
40°-50°	2577.5	16.4
50°-60°	3255.1	20.7
60°-70°	3306.0	21.0
70°-80°	2253.2	14.3
80°-90°	292.3	1.9
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°	15749.0	100.0
0°-180°	15749.0	100.0



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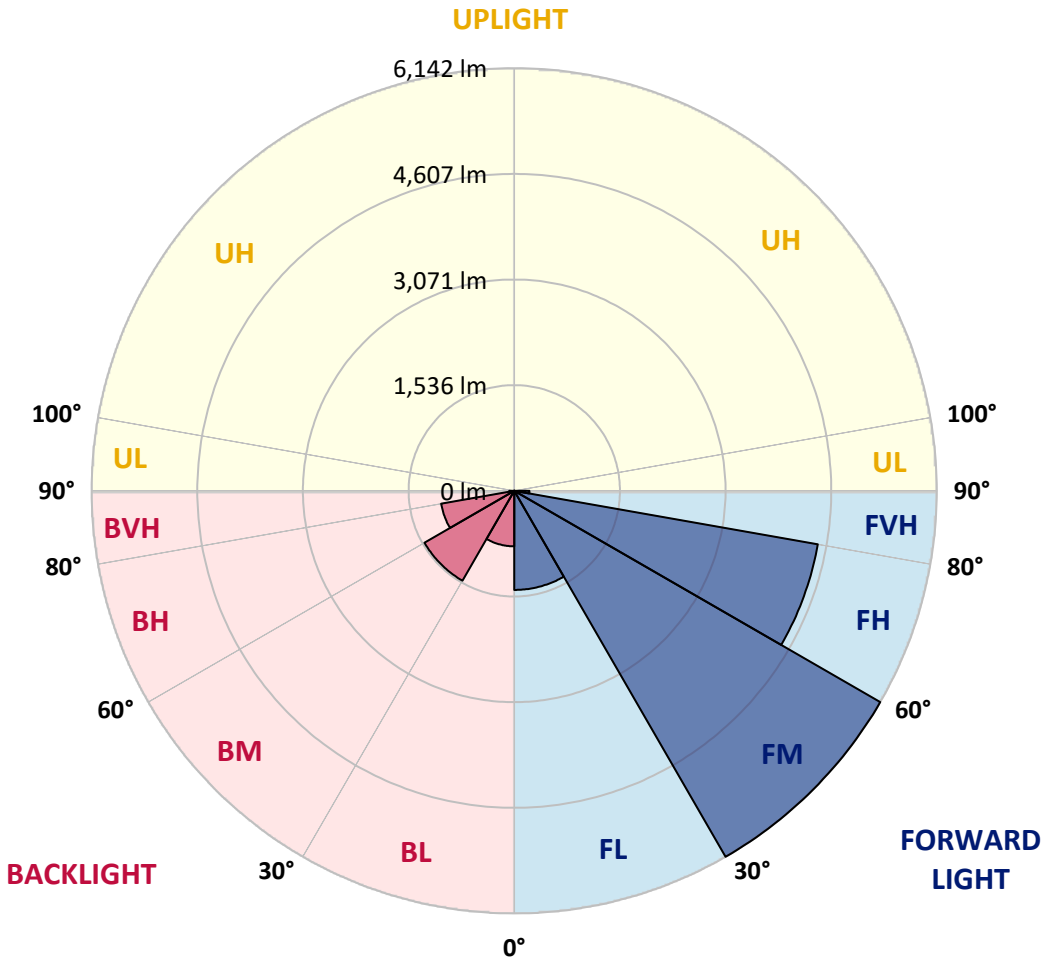
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1440.7	9.1			
FM	(30°-60°)	6142.4	39.0			
FH	(60°-80°)	4480.1	28.4			G2/5000
FVH	(80°-90°)	220.2	1.4			G2/225
BL	(0°-30°)	807.2	5.1	B2/1000		
BM	(30°-60°)	1507.2	9.6	B2/2500		
BH	(60°-80°)	1079.1	6.9	B3/2500		G3/2500
BVH	(80°-90°)	72.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	*3161.5*
2.5°	3163.1	3148.1	3157.3	3154.0	3158.1	3163.1	3164.8	3167.3	3175.6	*3174.8*
5°	3156.5	3141.5	3154.0	3149.8	3160.6	3172.3	3182.3	3191.5	3204.8	*3210.6*
7.5°	3142.3	3132.3	3144.8	3157.3	3177.3	3194.8	3208.9	3229.8	3248.9	*3252.3*
10°	3059.8	3052.3	3081.5	3114.0	3169.0	3216.4	3247.3	3271.4	3292.3	*3295.6*
12.5°	2974.0	2964.9	2997.3	3041.5	3130.6	3216.4	3281.4	3313.1	3331.4	*3342.2*
15°	2959.9	2952.4	2970.7	3009.0	3083.2	3194.0	3304.7	3363.1	3378.9	*3391.4*
17.5°	3028.2	3014.0	3021.5	3034.8	3078.2	3173.1	3323.1	3419.7	3443.9	*3457.2*
20°	3186.5	3166.5	3154.8	3128.1	3120.6	3176.5	3321.4	3488.0	3519.7	*3536.3*
22.5°	3397.2	3383.9	3358.9	3291.4	3218.1	3217.3	3353.1	3575.5	3634.6	*3650.5*
25°	3652.1	3632.1	3600.5	3508.8	3368.1	3298.1	3406.4	3687.1	3786.3	*3790.4*
27.5°	3945.4	3915.4	3872.1	3751.3	3561.3	3424.7	3488.0	3815.4	3960.4	*3958.7*
30°	4254.4	4224.4	4178.6	4032.0	3792.9	3595.5	3601.3	3953.7	4167.0	*4157.8*
32.5°	4480.2	4457.7	4448.5	4335.2	4059.5	3797.1	3731.3	4107.0	4421.9	*4413.6*
35°	4653.5	4624.3	4635.1	4577.7	4350.2	4022.8	3890.4	4289.4	4731.8	*4730.9*
37.5°	4825.1	4799.3	4808.4	4770.1	4619.3	4309.4	4084.5	4512.7	5115.8	*5134.1*
40°	4981.7	4954.2	4990.9	4955.0	4828.4	4614.3	4305.3	4765.1	5560.7	*5595.7*
42.5°	5075.8	5054.2	5115.0	5115.8	5010.0	4871.7	4547.7	5043.3	6075.5	*6153.8*
45°	5108.3	5100.8	5192.5	5211.6	5170.8	5020.9	4765.9	5346.6	6630.3	*6770.3*
47.5°	5073.3	5059.2	5185.8	5256.6	5289.1	5090.8	4946.7	5674.8	7196.8	*7401.7*
50°	4896.7	4869.2	5057.5	5206.6	5322.4	5136.6	5129.1	6053.8	7840.8	*8064.9*
52.5°	4579.3	4558.5	4772.6	5031.7	5249.1	5159.1	5334.1	6467.9	8452.2	*8742.1*
55°	4173.6	4146.1	4381.9	4720.1	5066.7	5151.6	5539.0	6931.1	9173.7	*9467.7*
57.5°	3530.5	3475.5	3773.8	4173.6	4769.3	5142.5	5752.3	7391.7	9906.7	*10259.1*
60°	2592.5	2510.8	2876.6	3350.6	4187.8	5053.3	6016.4	7908.2	10786.5	*11103.9*
62.5°	1509.5	1462.0	1701.1	2143.5	3156.5	4528.5	6164.6	8508.9	11651.2	*11984.4*
65°	1172.1	1158.8	1179.6	1213.8	1756.9	3390.6	5707.3	9094.5	12750.8	*12984.1*
67.5°	1072.1	1062.2	1071.3	1007.2	891.4	1888.5	4515.2	9242.8	13928.8	*14070.4*
70°	953.0	941.4	971.3	916.4	701.4	858.9	2917.4	8704.6	14866.0	*15131.7*
72.5°	*776.4*	*763.1*	*833.1*	*808.1*	*590.6*	*551.5*	*1465.4*	*7425.9*	*14767.7*	*15319.1*
75°	596.5	589.0	672.3	693.1	481.5	434.0	703.1	5519.9	12995.7	*13551.4*
77.5°	463.2	457.3	499.8	575.6	388.2	336.6	432.4	3501.4	9793.5	*9890.9*
80°	347.4	330.7	369.9	445.7	302.4	245.8	293.2	2041.8	6190.5	*5611.5*
82.5°	217.4	209.1	241.6	297.4	213.3	169.1	190.8	1128.0	2480.9	*1461.2*
85°	124.1	120.8	131.6	169.9	115.8	97.5	109.1	498.2	453.2	*311.6*
87.5°	50.0	48.3	60.0	75.8	42.5	35.8	38.3	120.0	100.0	*92.5*
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°
3161.5	0°	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5
3174.0	2.5°	3170.6	3170.6	3159.0	3140.6	3119.8	3106.5	3084.8	3079.0	3056.5	3049.8
3202.3	5°	3208.9	3202.3	3166.5	3114.8	3044.0	2979.0	2907.4	2862.4	2799.1	2776.6
3258.1	7.5°	3257.3	3238.9	3177.3	3064.0	2915.7	2769.9	2618.3	2503.3	2393.4	2354.2
3303.9	10°	3301.4	3275.6	3170.6	2972.4	2715.8	2463.4	2221.8	2052.7	1924.4	1871.9
3354.7	12.5°	3345.6	3298.1	3126.5	2819.9	2431.7	2089.3	1831.9	1700.3	1621.1	1557.8
3396.4	15°	3387.2	3320.6	3058.2	2615.8	2120.1	1772.8	1582.8	1477.8	1414.5	1372.9
3457.2	17.5°	3435.5	3339.7	2955.7	2356.7	1823.6	1553.7	1398.7	1335.4	1322.9	1317.9
3540.5	20°	3503.0	3357.2	2820.7	2066.8	1605.3	1378.7	1298.7	1292.9	1292.1	1289.6
3640.5	22.5°	3575.5	3378.1	2642.5	1803.6	1419.5	1269.6	1255.4	1243.8	1236.3	1235.4
3761.3	25°	3661.3	3384.7	2419.2	1587.8	1261.3	1217.9	1201.3	1183.8	1178.8	1178.8
3898.7	27.5°	3744.6	3362.2	2159.3	1400.4	1172.1	1170.4	1148.8	1143.0	1142.1	1144.6
4055.3	30°	3827.9	3319.7	1901.0	1227.1	1120.5	1120.5	1113.0	1117.1	1120.5	1128.8
4270.3	32.5°	3940.4	3274.8	1685.3	1098.8	1075.5	1067.1	1074.6	1083.0	1086.3	1097.1
4552.7	35°	4105.3	3243.1	1513.7	1028.8	1028.8	1018.0	1022.2	1020.5	1013.0	1008.0
4894.2	37.5°	4323.6	3241.4	1372.0	996.3	989.7	988.0	988.8	978.0	948.9	913.9
5307.4	40°	4586.0	3286.4	1262.9	973.8	968.8	978.8	973.8	944.7	864.7	803.9
5815.6	42.5°	4938.4	3414.7	1192.9	946.4	961.4	973.8	953.9	853.1	798.9	758.1
6394.6	45°	5353.2	3623.0	1157.1	917.2	947.2	962.2	865.5	821.4	778.1	728.9
7026.0	47.5°	5823.1	3885.4	1148.8	889.7	915.5	924.7	828.1	808.1	758.9	705.6
7660.8	50°	6334.6	4196.1	1171.3	857.2	869.7	838.1	815.6	797.2	746.4	693.9
8311.4	52.5°	6863.6	4538.5	1216.3	813.1	823.9	788.9	810.6	794.7	738.9	668.1
8983.7	55°	7383.4	4883.4	1259.6	761.4	777.2	744.8	796.4	784.7	704.8	624.8
9701.0	57.5°	7911.6	5226.6	1302.1	715.6	732.3	702.3	773.9	758.1	666.4	584.8
10484.1	60°	8460.6	5559.8	1322.1	671.4	683.1	663.1	739.8	712.3	623.1	544.0
11253.8	62.5°	8974.6	5837.3	1289.6	627.3	634.8	626.5	694.8	658.1	579.8	498.2
12056.0	65°	9490.2	6002.2	1189.6	584.0	585.6	581.5	631.5	599.8	529.0	458.2
12758.3	67.5°	9957.6	6094.7	1030.5	537.3	533.2	531.5	572.3	536.5	479.8	418.2
13292.3	70°	10056.7	5859.7	787.2	482.3	482.3	478.2	507.3	470.7	425.7	375.7
12909.9	72.5°	*9185.3*	*4929.2*	*559.0*	*419.9*	*426.5*	*418.2*	*442.4*	*411.5*	*370.7*	*337.4*
11126.3	75°	7406.7	3614.6	406.5	355.7	367.4	353.2	375.7	354.1	319.1	318.2
7667.5	77.5°	5089.2	2235.1	294.9	293.2	301.6	283.2	309.1	297.4	265.7	251.6
3337.2	80°	2171.8	891.4	214.9	226.6	226.6	209.9	239.9	243.3	215.8	209.1
644.0	82.5°	432.4	253.3	150.8	155.8	146.6	141.6	169.9	188.3	259.9	289.1
194.1	85°	130.0	93.3	90.8	85.0	75.0	75.8	100.0	189.1	233.3	133.3
64.1	87.5°	35.8	23.3	24.2	19.2	15.8	20.8	34.2	143.3	78.3	33.3
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°
3161.5
3060.7
2793.2
2359.2
1883.5
1578.6
1380.4
1321.2
1297.9
1244.6
1183.8
1151.3
1134.6
1106.3
1019.7
914.7
802.2
756.4
725.6
701.4
688.1
663.1
620.6
583.1
541.5
497.3
453.2
413.2
374.0
327.4
286.6
235.8
209.1
289.9
115.0
28.3
0.0

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