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: P951724

Luminaire Tested: **GLAN-SB5D-750-U-SL2**

Issue Date: 1/21/2025

Report Generated By 670246001

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

Test Information

Test Method:	LM-79-08
Report Number:	P951724
	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-SB5D-750-U-SL2
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE (5) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	54054 lumens
Efficiency:	N/A
Efficacy:	148.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B4 - U0 - G5
Input Watts (W):	364.9
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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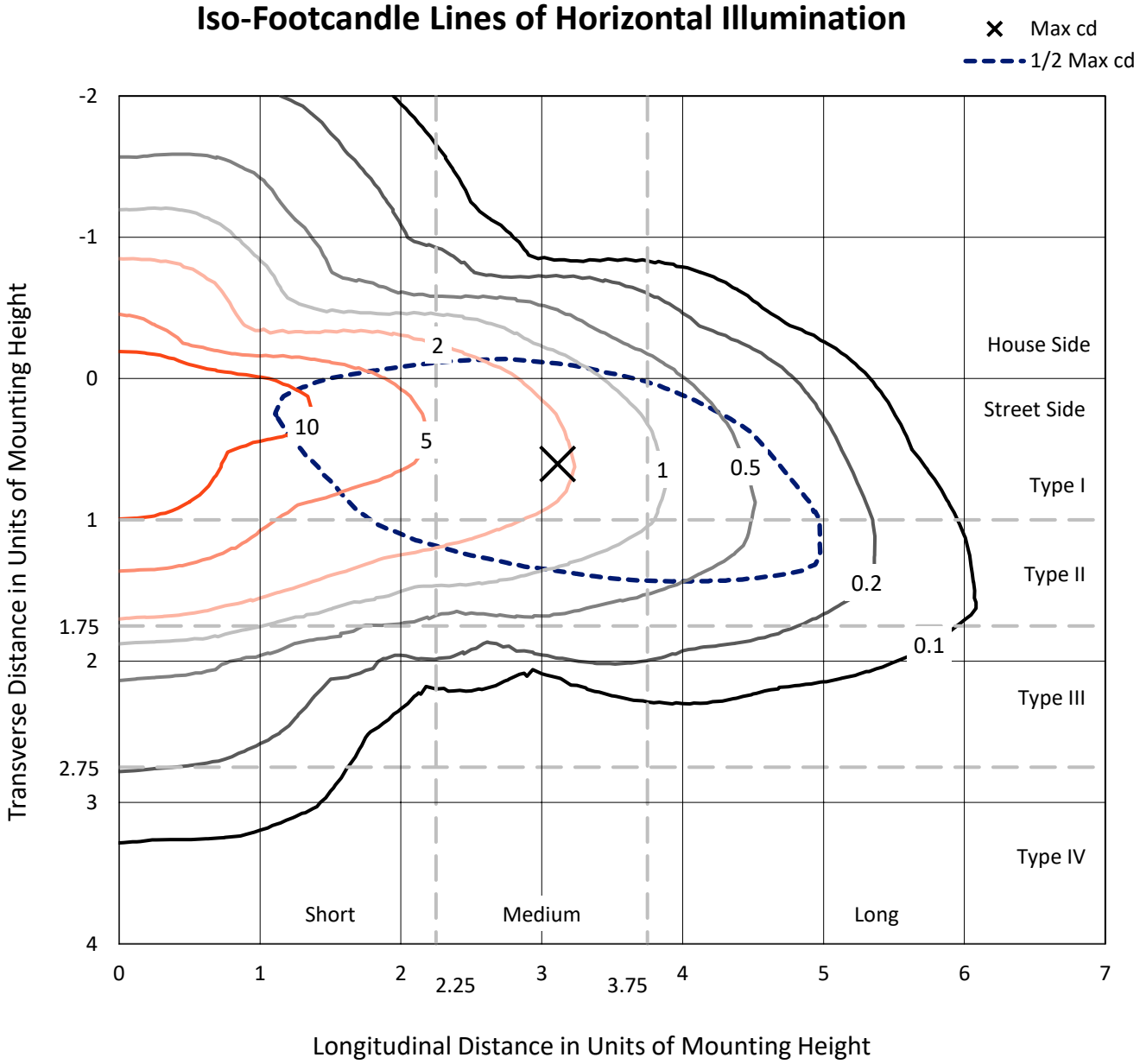
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc
Type II - Medium - N/A

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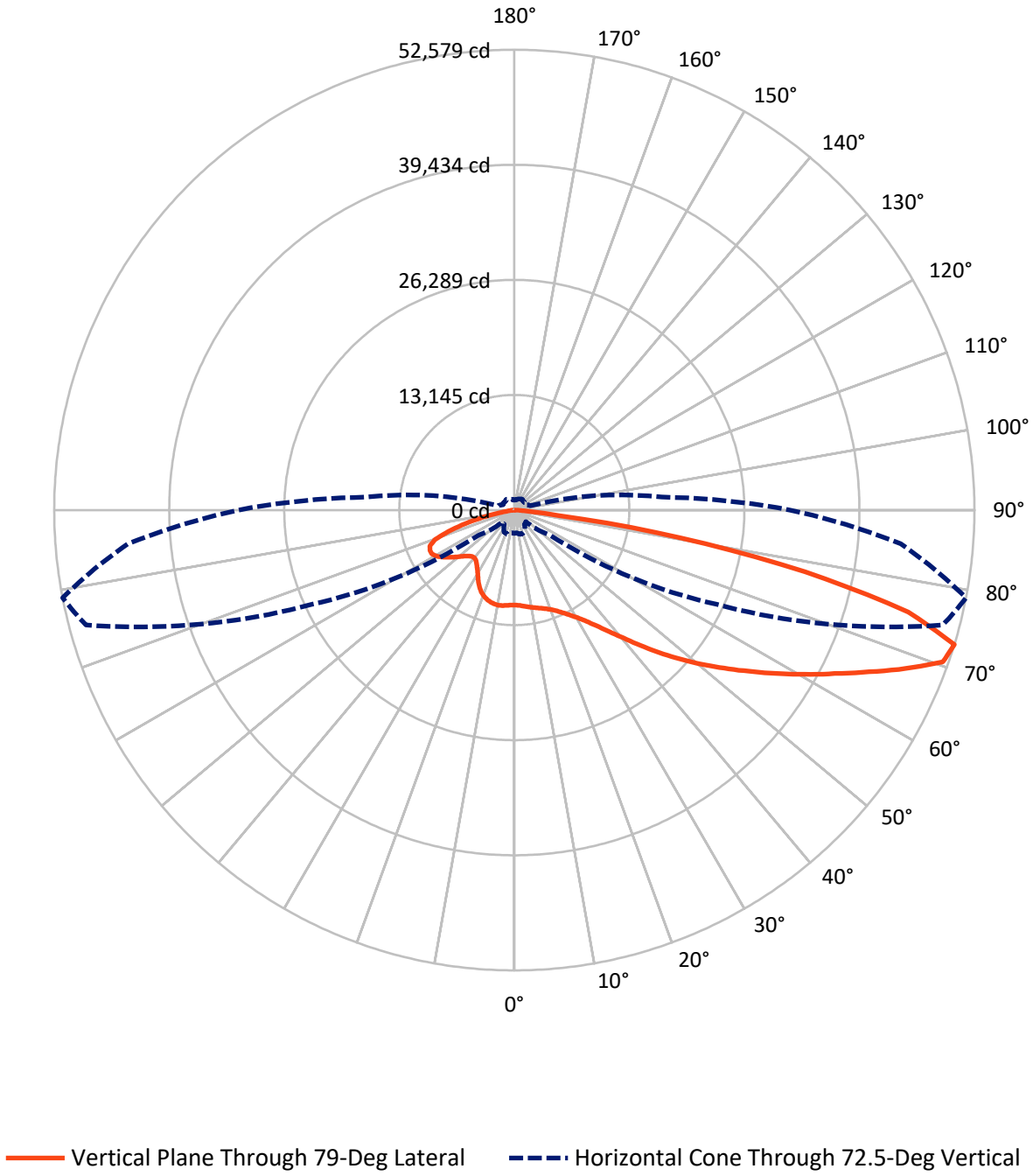
Luminous Intensity Polar Plot



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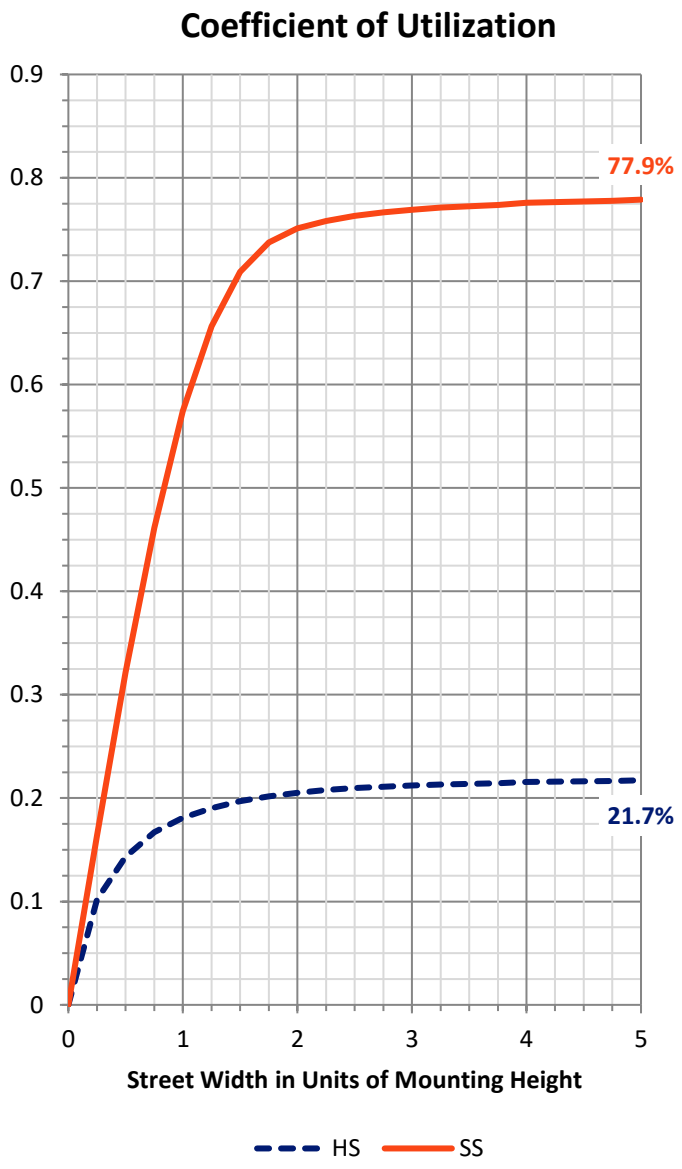
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11894.9	0.0	11894.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	42159.2	0.0	42159.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	54054.0	0.0	54054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	984.9	1.8
10°-20°	2575.1	4.8
20°-30°	4155.2	7.7
30°-40°	6236.4	11.5
40°-50°	8846.7	16.4
50°-60°	11172.1	20.7
60°-70°	11346.8	21.0
70°-80°	7733.4	14.3
80°-90°	1003.3	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°	54054.0	100.0
0°-180°	54054.0	100.0



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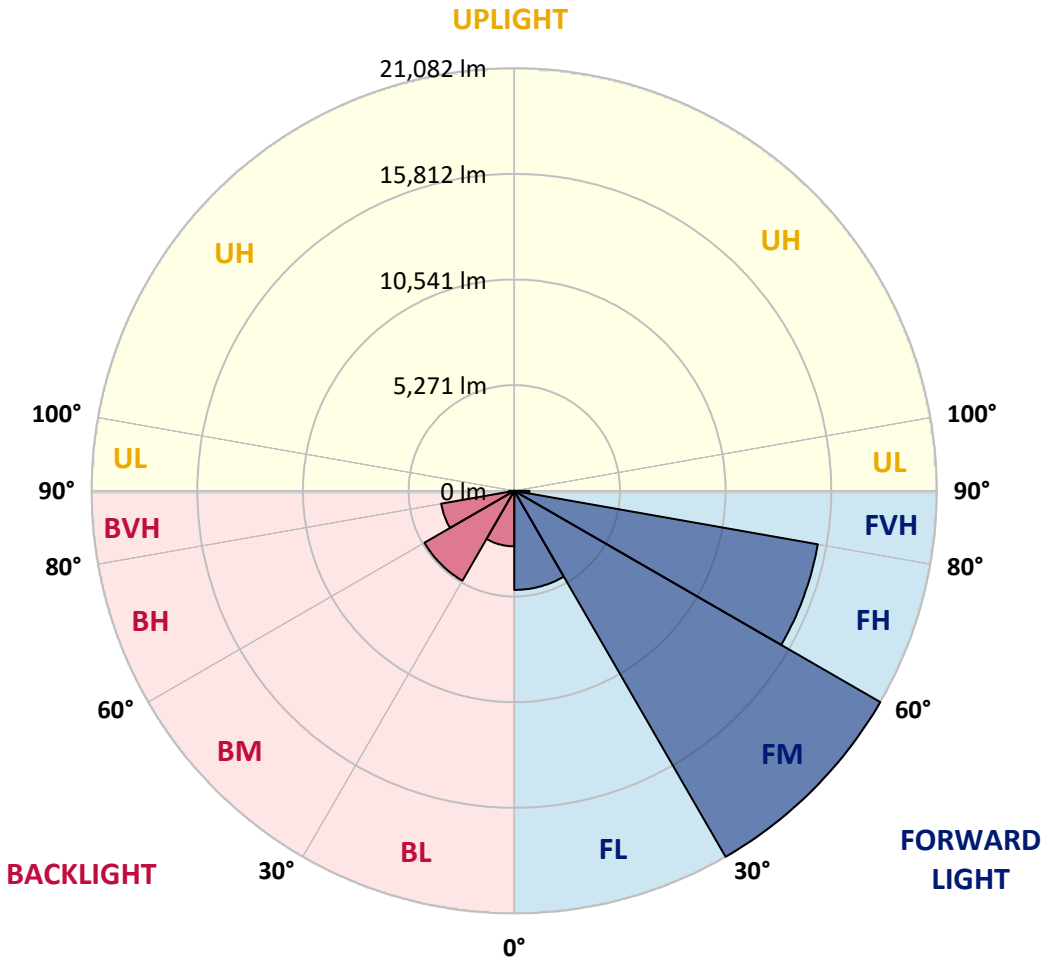
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4944.6	9.1			
FM	(30°-60°)	21082.2	39.0			
FH	(60°-80°)	15376.5	28.4			G5
FVH	(80°-90°)	755.8	1.4			G5
BL	(0°-30°)	2770.7	5.1	B4/5000		
BM	(30°-60°)	5173.0	9.6	B4/8500		
BH	(60°-80°)	3703.7	6.9	B4/5000		G4/5000
BVH	(80°-90°)	247.5	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8	*10850.8*
2.5°	10856.5	10805.1	10836.5	10825.1	10839.4	10856.5	10862.3	10870.8	10899.4	*10896.6*
5°	10833.7	10782.2	10825.1	10810.8	10848.0	10888.0	10922.3	10953.8	10999.5	*11019.5*
7.5°	10785.1	10750.8	10793.6	10836.5	10905.2	10965.2	11013.8	11085.3	11151.0	*11162.5*
10°	10502.0	10476.3	10576.3	10687.8	10876.6	11039.5	11145.3	11228.2	11299.7	*11311.2*
12.5°	10207.5	10176.0	10287.6	10439.1	10745.0	11039.5	11262.6	11371.2	11434.1	*11471.3*
15°	10158.9	10133.2	10196.1	10327.6	10582.1	10962.3	11342.6	11542.8	11597.1	*11640.0*
17.5°	10393.3	10344.7	10370.5	10416.2	10564.9	10890.9	11405.5	11737.2	11820.1	*11865.9*
20°	10936.6	10868.0	10828.0	10736.5	10710.7	10902.3	11399.8	11971.6	12080.3	*12137.5*
22.5°	11660.0	11614.2	11528.5	11296.9	11045.3	11042.4	11508.5	12271.9	12474.9	*12529.2*
25°	12534.9	12466.3	12357.6	12043.1	11559.9	11319.7	11691.4	12655.0	12995.3	*13009.6*
27.5°	13541.4	13438.4	13289.8	12875.2	12223.3	11754.3	11971.6	13095.3	13592.8	*13587.1*
30°	14602.2	14499.2	14342.0	13838.7	13018.1	12340.5	12360.5	13570.0	14301.9	*14270.5*
32.5°	15377.0	15299.8	15268.4	14879.5	13933.1	13032.4	12806.5	14096.1	15176.9	*15148.3*
35°	15971.7	15871.7	15908.8	15711.5	14931.0	13807.3	13352.7	14722.2	16240.5	*16237.6*
37.5°	16560.7	16472.1	16503.5	16372.0	15854.5	14790.9	14018.9	15488.5	17558.6	*17621.5*
40°	17098.3	17003.9	17129.7	17006.8	16572.2	15837.3	14776.6	16354.9	19085.4	*19205.5*
42.5°	17421.4	17347.0	17555.8	17558.6	17195.5	16720.9	15608.6	17309.9	20852.5	*21121.2*
45°	17532.9	17507.1	17821.7	17887.4	17747.3	17232.7	16357.7	18350.6	22756.7	*23237.1*
47.5°	17412.8	17364.2	17798.8	18041.8	18153.3	17472.8	16978.2	19477.2	24701.0	*25404.4*
50°	16806.6	16712.3	17358.5	17870.3	18267.7	17630.1	17604.4	20778.1	26911.2	*27680.3*
52.5°	15717.3	15645.8	16380.6	17269.8	18016.1	17707.3	18307.7	22199.2	29009.9	*30004.9*
55°	14324.8	14230.5	15039.6	16200.5	17389.9	17681.6	19011.1	23788.9	31486.0	*32495.3*
57.5°	12117.5	11928.8	12952.4	14324.8	16369.2	17650.1	19743.1	25370.1	34002.1	*35211.6*
60°	8898.0	8617.8	9873.0	11499.9	14373.4	17344.2	20649.5	27142.8	37021.5	*38110.8*
62.5°	5180.9	5018.0	5838.6	7356.8	10833.7	15542.8	21158.4	29204.3	39989.4	*41133.1*
65°	4023.0	3977.2	4048.7	4165.9	6030.1	11637.1	19588.7	31214.4	43763.6	*44564.2*
67.5°	3679.8	3645.5	3677.0	3456.8	3059.4	6481.9	15497.1	31723.3	47806.5	*48292.6*
70°	3271.0	3230.9	3333.9	3145.2	2407.5	2947.9	10013.1	29876.2	51023.2	*51935.3*
72.5°	*2664.8*	*2619.1*	*2859.2*	*2773.5*	*2027.2*	*1892.8*	*5029.4*	*25487.3*	*50685.8*	*52578.6*
75°	2047.2	2021.5	2307.4	2378.9	1652.6	1489.7	2413.2	18945.3	44604.2	*46511.3*
77.5°	1589.7	1569.7	1715.5	1975.7	1332.4	1155.1	1483.9	12017.4	33613.3	*33947.8*
80°	1192.3	1135.1	1269.5	1529.7	1037.9	843.5	1006.5	7008.0	21247.0	*19259.9*
82.5°	746.3	717.7	829.2	1020.7	732.0	580.4	654.8	3871.4	8514.8	*5015.1*
85°	426.0	414.6	451.8	583.3	397.4	334.5	374.6	1709.8	1555.4	*1069.4*
87.5°	171.6	165.8	205.9	260.2	145.8	122.9	131.5	411.7	343.1	*317.4*
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°
10850.8	0°	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8	10850.8
10893.7	2.5°	10882.3	10882.3	10842.2	10779.3	10707.9	10662.1	10587.8	10567.8	10490.6	10467.7
10990.9	5°	11013.8	10990.9	10868.0	10690.7	10447.7	10224.7	9978.8	9824.4	9607.1	9529.9
11182.5	7.5°	11179.6	11116.7	10905.2	10516.3	10007.3	9507.0	8986.6	8592.0	8214.6	8080.2
11339.8	10°	11331.2	11242.5	10882.3	10201.8	9321.1	8454.8	7625.6	7045.2	6604.9	6424.7
11514.2	12.5°	11482.7	11319.7	10730.7	9678.5	8346.1	7171.0	6287.5	5835.7	5564.1	5346.8
11657.1	15°	11625.7	11396.9	10496.3	8978.0	7276.8	6084.5	5432.6	5072.3	4855.0	4712.0
11865.9	17.5°	11791.5	11462.7	10144.6	8088.8	6258.9	5332.5	4800.7	4583.4	4540.5	4523.3
12151.8	20°	12023.1	11522.7	9681.4	7093.8	5509.8	4732.0	4457.6	4437.5	4434.7	4426.1
12494.9	22.5°	12271.9	11594.2	9069.5	6190.3	4872.1	4357.5	4308.9	4268.8	4243.1	4240.3
12909.5	25°	12566.4	11617.1	8303.2	5449.7	4328.9	4180.2	4123.0	4063.0	4045.8	4045.8
13381.3	27.5°	12852.3	11539.9	7411.2	4806.4	4023.0	4017.2	3942.9	3922.9	3920.0	3928.6
13918.8	30°	13138.2	11394.1	6524.8	4211.7	3845.7	3845.7	3819.9	3834.2	3845.7	3874.3
14656.5	32.5°	13524.2	11239.7	5784.2	3771.3	3691.3	3662.7	3688.4	3717.0	3728.5	3765.6
15625.8	35°	14090.3	11131.0	5195.2	3531.2	3531.2	3494.0	3508.3	3502.6	3476.8	3459.7
16798.1	37.5°	14839.5	11125.3	4709.2	3419.7	3396.8	3391.1	3393.9	3356.8	3256.7	3136.6
18216.2	40°	15740.1	11279.7	4334.6	3342.5	3325.3	3359.6	3342.5	3242.4	2967.9	2759.2
19960.4	42.5°	16949.6	11720.0	4094.4	3248.1	3299.6	3342.5	3273.8	2927.9	2742.0	2601.9
21947.5	45°	18373.5	12434.8	3971.5	3148.0	3251.0	3302.4	2970.8	2819.2	2670.5	2501.8
24114.9	47.5°	19986.1	13335.5	3942.9	3053.7	3142.3	3173.8	2842.1	2773.5	2604.8	2421.8
26293.6	50°	21741.7	14402.0	4020.1	2942.2	2985.0	2876.4	2799.2	2736.3	2561.9	2381.7
28526.7	52.5°	23557.3	15577.2	4174.5	2790.6	2827.8	2707.7	2782.0	2727.7	2536.1	2293.1
30834.1	55°	25341.5	16760.9	4323.2	2613.3	2667.7	2556.2	2733.4	2693.4	2418.9	2144.4
33295.9	57.5°	27154.2	17938.9	4469.0	2456.1	2513.3	2410.3	2656.2	2601.9	2287.4	2007.2
35983.6	60°	29038.5	19082.6	4537.6	2304.5	2344.6	2276.0	2539.0	2444.7	2138.7	1867.1
38625.5	62.5°	30802.6	20034.7	4426.1	2153.0	2178.7	2150.2	2384.6	2258.8	1990.0	1709.8
41379.0	65°	32572.5	20600.8	4083.0	2004.3	2010.0	1995.8	2167.3	2058.7	1815.6	1572.6
43789.3	67.5°	34176.5	20918.2	3536.9	1844.2	1829.9	1824.2	1964.3	1841.4	1646.9	1435.3
45622.1	70°	34516.8	20111.9	2702.0	1655.5	1655.5	1641.2	1741.3	1615.5	1461.1	1289.5
44309.7	72.5°	*31526.0*	*16918.1*	*1918.6*	*1441.1*	*1463.9*	*1435.3*	*1518.3*	*1412.5*	*1272.4*	*1158.0*
38188.0	75°	25421.5	12406.3	1395.3	1220.9	1260.9	1212.3	1289.5	1215.2	1095.1	1092.2
26316.5	77.5°	17467.1	7671.3	1012.2	1006.5	1035.0	972.1	1060.8	1020.7	912.1	863.5
11454.1	80°	7454.0	3059.4	737.7	777.7	777.7	720.5	823.5	834.9	740.5	717.7
2210.2	82.5°	1483.9	869.2	517.5	534.7	503.2	486.1	583.3	646.2	892.1	992.2
666.2	85°	446.0	320.2	311.7	291.6	257.3	260.2	343.1	649.0	800.6	457.5
220.2	87.5°	122.9	80.1	82.9	65.8	54.3	71.5	117.2	491.8	268.8	114.4
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°
10850.8
10504.9
9587.0
8097.4
6464.7
5418.3
4737.8
4534.8
4454.7
4271.7
4063.0
3951.5
3894.3
3797.1
3499.7
3139.4
2753.5
2596.2
2490.4
2407.5
2361.7
2276.0
2130.1
2001.5
1858.5
1707.0
1555.4
1418.2
1283.8
1123.7
983.6
809.2
717.7
995.0
394.6
97.2
0.0

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