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: P942675

Luminaire Tested: **GLAN-SB6D-750-U-T2**

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:	P942675
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB6D-750-U-T2
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	64688 lumens
Efficiency:	N/A
Efficacy:	147.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B5 - U0 - G5
Input Watts (W):	440.1
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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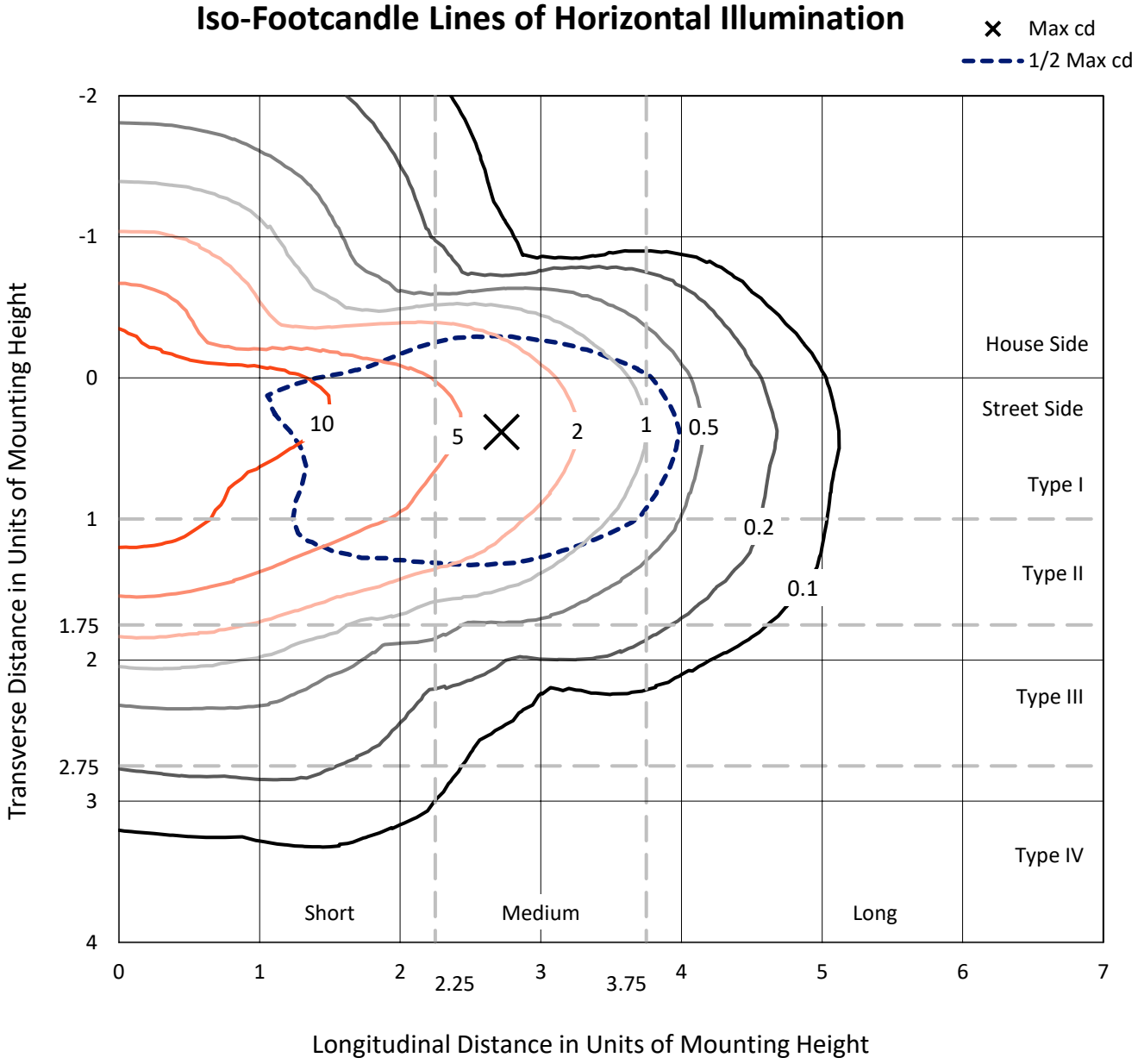
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 17.2 fc
Type II - Medium - N/A

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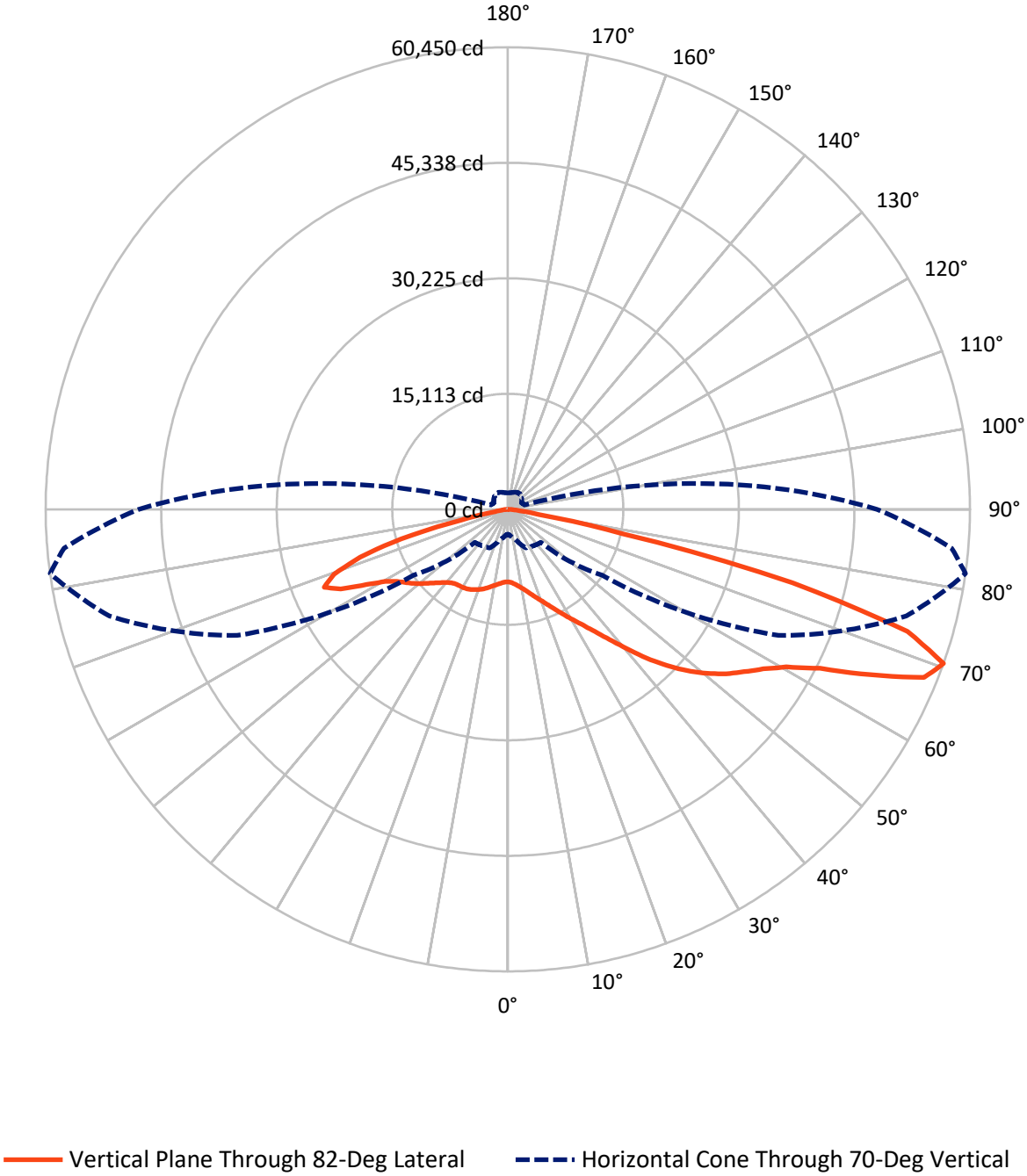
Luminous Intensity Polar Plot



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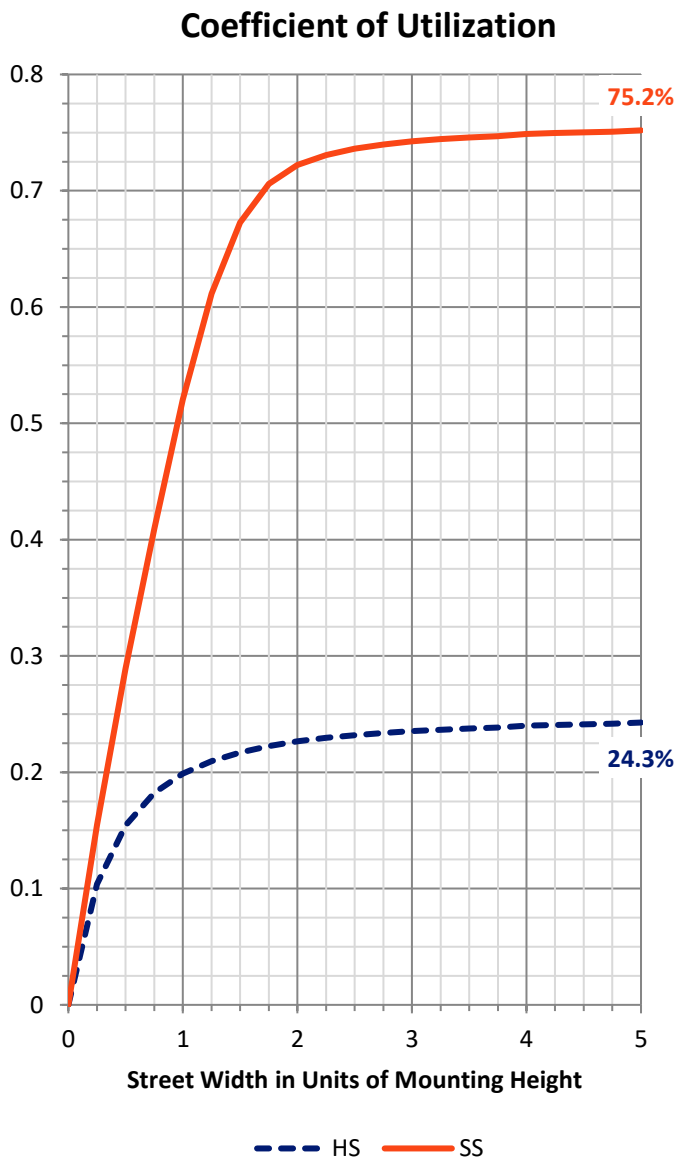
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15947.2	0.0	15947.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	48740.8	0.0	48740.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	64688.0	0.0	64688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	895.5	1.4
10°-20°	2572.7	4.0
20°-30°	4303.9	6.7
30°-40°	6723.8	10.4
40°-50°	10708.4	16.6
50°-60°	14902.1	23.0
60°-70°	15588.3	24.1
70°-80°	8147.3	12.6
80°-90°	846.0	1.3
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°	64688.0	100.0
0°-180°	64688.0	100.0



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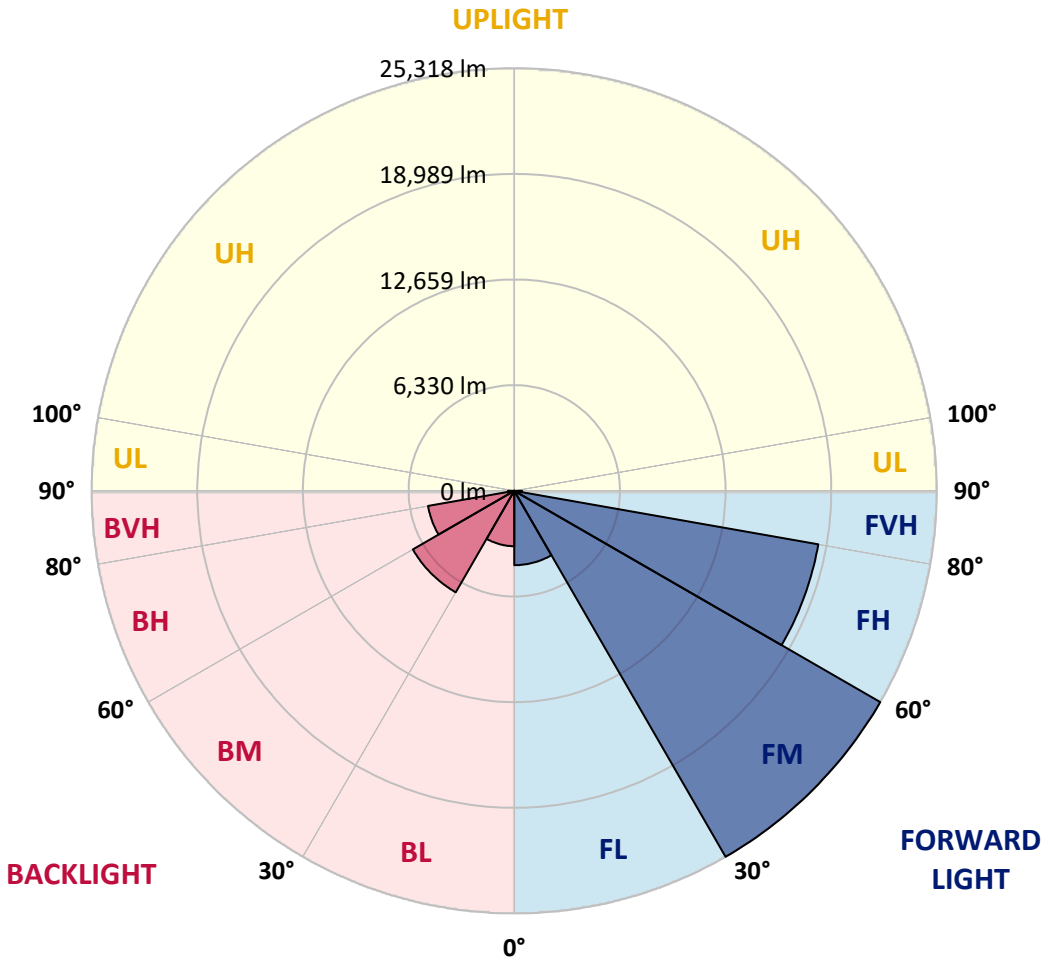
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4454.5	6.9			
FM	(30°-60°)	25318.2	39.1			
FH	(60°-80°)	18494.5	28.6			G5
FVH	(80°-90°)	473.6	0.7			G3/500
BL	(0°-30°)	3317.6	5.1	B4/5000		
BM	(30°-60°)	7016.1	10.8	B4/8500		
BH	(60°-80°)	5241.0	8.1	B5		G5
BVH	(80°-90°)	372.4	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1	*9484.1*
2.5°	9710.6	9765.5	9748.4	9731.2	9731.2	9707.2	9703.8	9669.4	9642.0	*9597.3*
5°	9834.2	9892.5	9885.7	9899.4	9944.0	9954.3	9964.6	9944.0	9889.1	*9834.2*
7.5°	9724.3	9789.6	9810.2	9892.5	10029.8	10153.4	10246.1	10283.8	10232.4	*10153.4*
10°	9353.6	9425.7	9497.8	9693.5	9937.2	10228.9	10476.1	10623.7	10613.4	*10537.9*
12.5°	8601.9	8677.4	8831.9	9212.9	9659.1	10174.0	10634.0	10942.9	11049.3	*10994.4*
15°	8001.2	8066.4	8183.1	8574.5	9154.5	9937.2	10692.3	11293.0	11564.2	*11533.3*
17.5°	7984.1	8011.5	8083.6	8269.0	8715.2	9566.5	10630.5	11636.3	12154.6	*12151.1*
20°	8286.1	8296.4	8337.6	8375.4	8629.4	9285.0	10472.6	11921.2	12817.1	*12817.1*
22.5°	8704.9	8698.0	8739.2	8704.9	8828.5	9261.0	10373.1	12171.7	13555.0	*13610.0*
25°	9333.0	9298.7	9288.4	9209.5	9233.5	9484.1	10482.9	12456.6	14430.3	*14543.6*
27.5°	10170.6	10115.7	10077.9	9896.0	9834.2	9944.0	10819.3	12799.9	15405.2	*15600.8*
30°	11262.1	11162.6	11107.7	10791.9	10568.7	10585.9	11327.3	13256.4	16424.6	*16740.4*
32.5°	12751.8	12597.4	12449.8	11931.5	11523.0	11389.1	11982.9	13888.0	17529.9	*18034.5*
35°	14420.0	14296.5	14138.6	13338.8	12710.6	12401.7	12868.5	14770.2	18824.0	*19623.8*
37.5°	16026.5	15920.1	15995.6	14917.8	14107.7	13658.0	14028.7	15954.4	20420.1	*21600.9*
40°	17687.8	17605.4	17615.7	16586.0	15642.0	15137.4	15436.1	17440.7	22249.6	*23952.2*
42.5°	19493.3	19431.5	19225.6	18312.5	17251.9	16781.6	17056.2	19156.9	24213.0	*26629.5*
45°	21515.1	21477.3	21285.1	20238.2	19023.1	18494.5	18865.2	21051.7	26186.7	*29149.0*
47.5°	23262.2	23293.1	23269.1	22386.9	21127.2	20351.4	20794.2	23028.8	28023.1	*31517.5*
50°	24103.2	24264.5	24501.4	24226.8	23444.2	22654.7	22740.5	24937.3	29773.7	*33738.3*
52.5°	23663.8	23969.3	24614.6	25054.0	25356.1	25191.3	24961.3	26832.1	31421.3	*35742.9*
55°	22026.5	22455.6	23526.5	24587.2	26128.4	27326.3	27628.4	28932.8	33027.8	*37507.2*
57.5°	19043.7	19740.5	20701.6	22846.9	25441.9	28359.5	30738.3	31847.0	34730.3	*39391.7*
60°	13929.2	14862.8	16057.4	19249.6	23039.1	27806.9	33384.7	36323.0	37150.2	*41832.2*
62.5°	8914.3	9490.9	10589.3	13596.2	17952.1	24975.1	34194.8	41918.0	41252.1	*45834.5*
65°	6103.0	6473.7	7479.5	9168.3	11605.4	18590.6	32025.5	46112.6	47767.0	*52177.8*
67.5°	4434.8	4716.3	5574.4	7053.8	7561.9	11001.2	24851.5	45920.3	54100.0	*58713.4*
70°	*3233.4*	*3432.5*	*4153.4*	*5574.4*	*5818.1*	*6120.2*	*15055.1*	*39034.7*	*53962.7*	*60450.2*
72.5°	2395.9	2533.2	3017.2	4325.0	4709.4	4132.8	7452.0	28369.8	46370.0	*54676.7*
75°	1733.4	1836.4	2193.4	3309.0	3768.9	3147.6	3717.4	16579.1	32344.7	*38461.5*
77.5°	1325.0	1403.9	1637.3	2423.4	3017.2	2361.6	2306.7	7627.1	15336.5	*15412.0*
80°	1064.1	1115.6	1242.6	1706.0	2313.5	1767.8	1503.4	3079.0	4846.7	*4101.9*
82.5°	782.6	868.4	1050.4	1198.0	1654.5	1218.5	916.5	1554.9	1843.3	*1585.8*
85°	446.2	504.6	635.0	858.1	1057.2	744.9	525.2	689.9	858.1	*703.7*
87.5°	157.9	206.0	223.1	336.4	460.0	308.9	202.5	199.1	281.5	*209.4*
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°
9484.1	0°	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1	9484.1
9587.0	2.5°	9552.7	9535.6	9466.9	9374.2	9278.1	9185.4	9154.5	9089.3	9044.7	9020.7
9810.2	5°	9744.9	9690.0	9528.7	9322.7	9106.5	8873.1	8708.3	8557.3	8447.4	8344.5
10115.7	7.5°	10019.5	9923.4	9645.4	9285.0	8900.5	8512.7	8224.3	8004.7	7857.1	7760.9
10472.6	10°	10338.8	10191.2	9765.5	9226.6	8632.8	8076.7	7736.9	7548.1	7455.4	7404.0
10881.1	12.5°	10706.0	10496.7	9889.1	9092.8	8224.3	7589.3	7355.9	7301.0	7304.4	7307.8
11396.0	15°	11159.1	10867.4	9988.7	8801.0	7692.3	7215.2	7174.0	7263.2	7355.9	7400.5
11979.5	17.5°	11670.6	11258.7	10005.8	8320.4	7170.5	6974.9	7105.3	7297.6	7438.3	7500.1
12631.7	20°	12219.8	11656.9	9882.2	7640.8	6741.5	6779.2	7012.7	7259.8	7414.3	7493.2
13376.6	22.5°	12847.9	12082.5	9587.0	6926.8	6391.4	6566.4	6841.0	7081.3	7242.6	7321.6
14251.8	25°	13565.3	12559.6	9123.7	6326.1	6089.3	6326.1	6600.7	6799.8	6930.3	7002.4
15230.1	27.5°	14361.7	13057.3	8505.8	5849.0	5825.0	6079.0	6305.6	6460.0	6528.7	6583.6
16270.2	30°	15161.5	13510.4	7757.5	5488.6	5595.0	5835.3	5996.6	6065.3	6085.9	6096.2
17430.4	32.5°	16026.5	13901.7	6971.5	5190.0	5375.3	5598.5	5694.6	5725.5	5629.3	5564.1
18837.7	35°	17073.4	14320.5	6202.6	4953.1	5159.1	5351.3	5382.2	5354.7	5241.5	5107.6
20602.0	37.5°	18367.4	14842.2	5588.2	4784.9	4956.6	5083.6	5045.8	5038.9	5049.2	4891.3
22723.3	40°	19953.3	15521.9	5138.5	4654.5	4791.8	4819.3	4712.9	4771.2	4822.7	4582.4
25050.6	42.5°	21714.2	16342.3	4853.6	4565.3	4654.5	4589.3	4424.5	4489.7	4482.9	4167.1
27388.1	45°	23509.4	17234.7	4754.0	4500.0	4527.5	4397.1	4215.1	4232.3	4088.1	3803.2
29629.6	47.5°	25294.3	18192.4	4815.8	4445.1	4369.6	4222.0	4081.3	4005.8	3792.9	3580.1
31778.3	50°	27044.9	19198.1	5042.4	4335.3	4153.4	4067.5	3964.6	3830.7	3604.2	3422.2
33810.4	52.5°	28668.5	20210.7	5296.4	4153.4	3882.2	3933.7	3868.5	3714.0	3490.9	3305.5
35732.6	55°	30206.2	21223.3	5395.9	3902.8	3628.2	3817.0	3779.2	3494.3	3226.6	3075.5
37744.1	57.5°	31881.3	22441.9	5286.1	3583.6	3422.2	3683.1	3538.9	3223.1	3068.7	2955.4
40363.1	60°	34201.7	24353.8	5049.2	3188.8	3226.6	3484.0	3236.9	3106.4	2938.2	2811.2
44289.9	62.5°	38056.4	27920.2	4668.2	2797.5	2996.6	3188.8	3092.7	2962.3	2790.6	2667.1
51003.9	65°	43754.4	32876.7	3950.8	2492.0	2739.2	2900.5	2938.2	2807.8	2629.3	2498.9
56887.3	67.5°	48559.9	35986.6	2989.7	2238.0	2474.9	2667.1	2773.5	2646.5	2457.7	2330.7
58263.7	70°	*48295.6*	*33728.0*	*2282.6*	*1987.4*	*2241.4*	*2437.1*	*2574.4*	*2474.9*	*2272.3*	*2152.2*
52922.7	72.5°	42896.3	28215.4	1846.7	1733.4	2004.6	2196.8	2361.6	2286.1	2080.1	1963.4
38770.4	75°	31514.0	20028.8	1476.0	1476.0	1709.4	1946.2	2128.2	2080.1	1891.3	1808.9
16277.0	77.5°	13283.9	8402.8	1156.8	1225.4	1421.1	1671.6	1898.2	1915.3	1750.6	1853.6
4304.4	80°	3532.1	2317.0	882.2	964.5	1115.6	1379.9	1651.0	1644.2	1465.7	1369.6
1599.6	82.5°	1345.6	913.1	628.2	679.6	806.6	1057.2	1307.8	1349.0	1170.5	1012.6
628.2	85°	518.3	391.3	387.9	408.5	470.3	700.2	988.6	1022.9	882.2	748.3
175.1	87.5°	133.9	116.7	144.2	137.3	216.2	374.1	566.4	587.0	538.9	312.4
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°
9484.1
9048.1
8385.7
7781.5
7417.7
7314.7
7397.1
7513.8
7513.8
7342.2
7022.9
6604.2
6120.2
5584.7
5114.5
4901.6
4589.3
4163.7
3813.5
3580.1
3408.5
3309.0
3061.8
2945.1
2804.4
2667.1
2505.7
2334.1
2162.5
1963.4
1784.9
1681.9
1273.5
1012.6
772.3
446.2
0.0

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