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: P944397

Luminaire Tested: **GLAN-SB9B-827-U-T3**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P944397
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB9B-827-U-T3
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(9) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	44630 lumens
Efficiency:	N/A
Efficacy:	135.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B4 - U0 - G5

Input Watts (W):	329.5
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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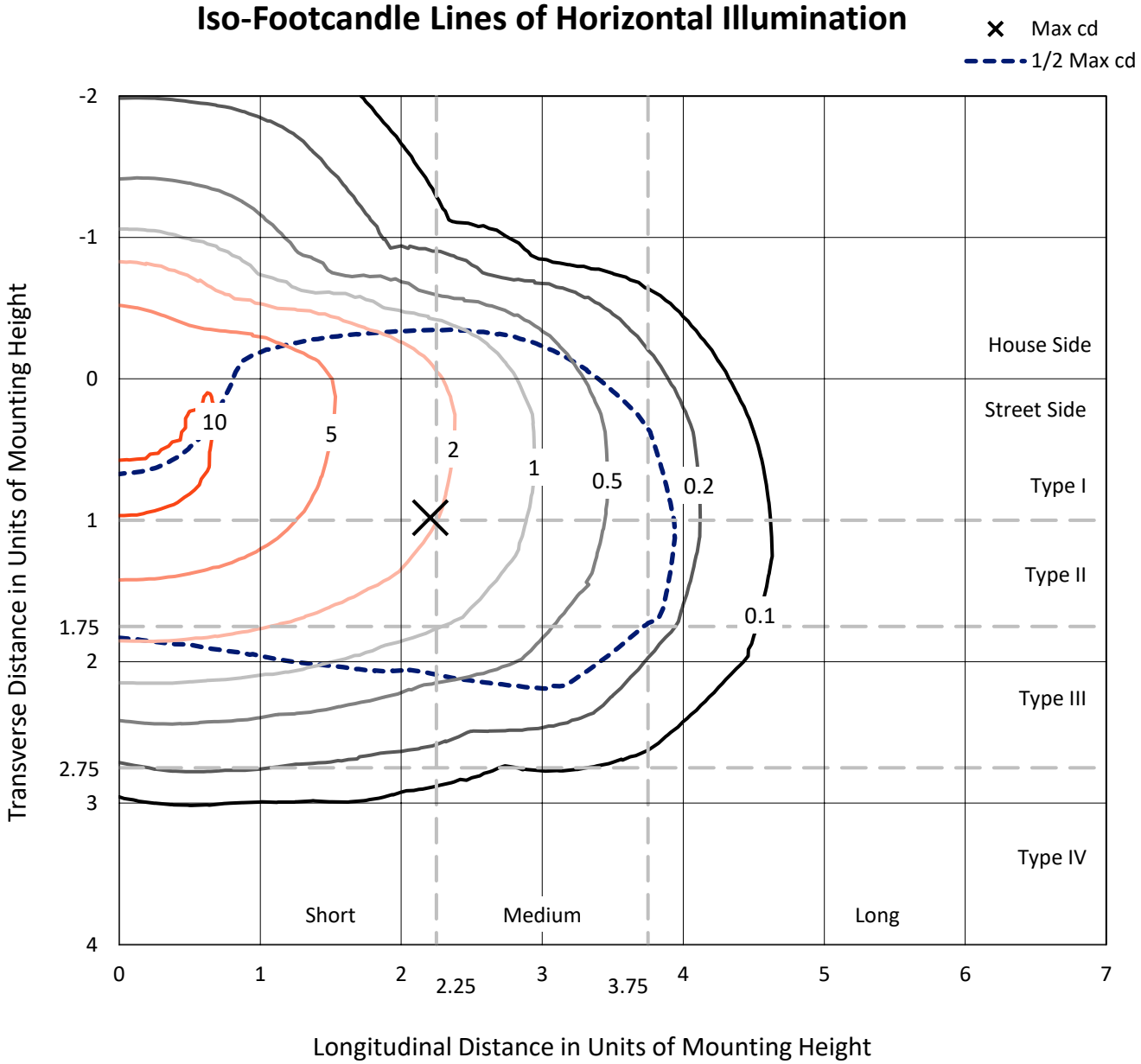
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
Type III - Short - N/A

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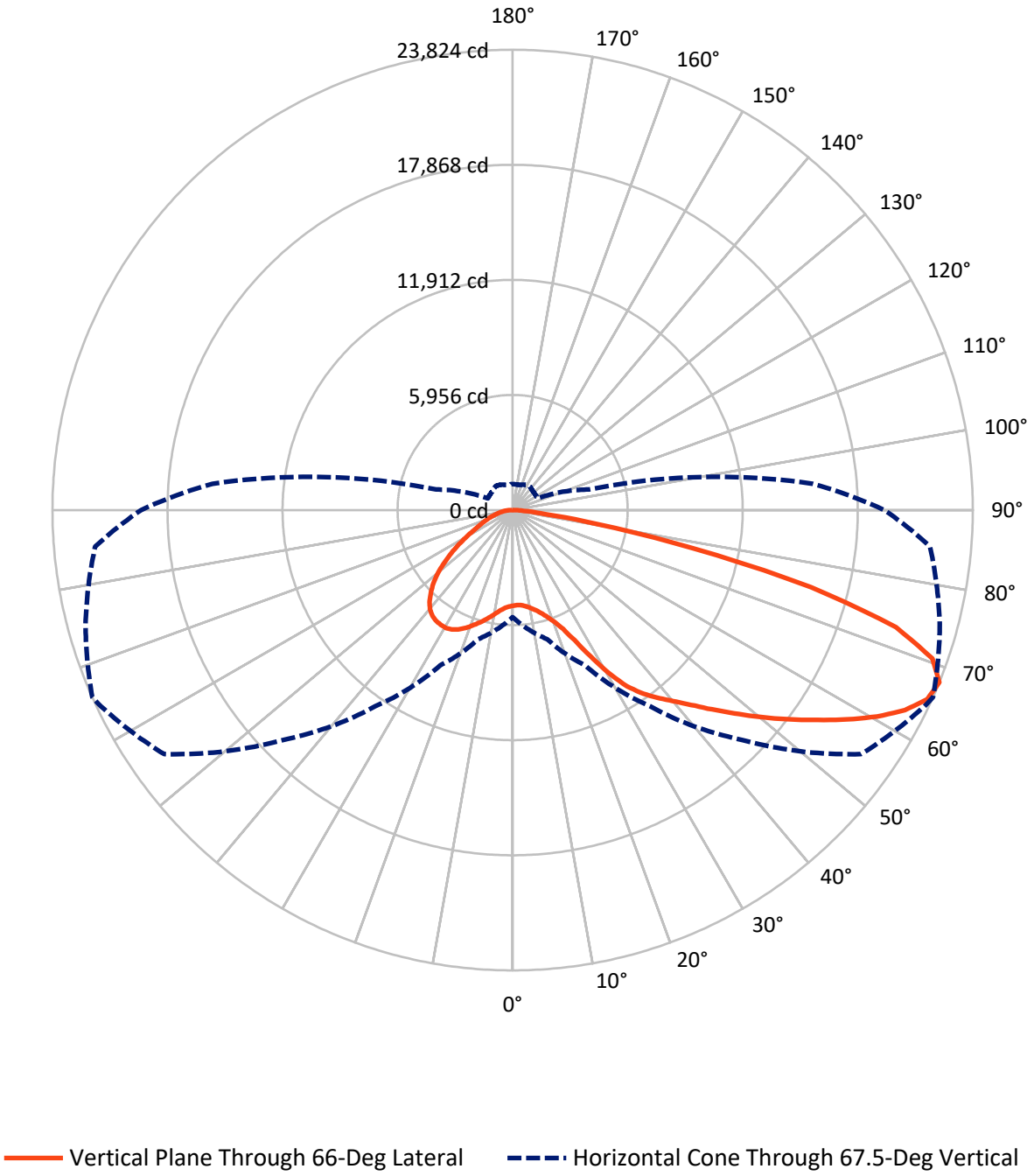
Luminous Intensity Polar Plot



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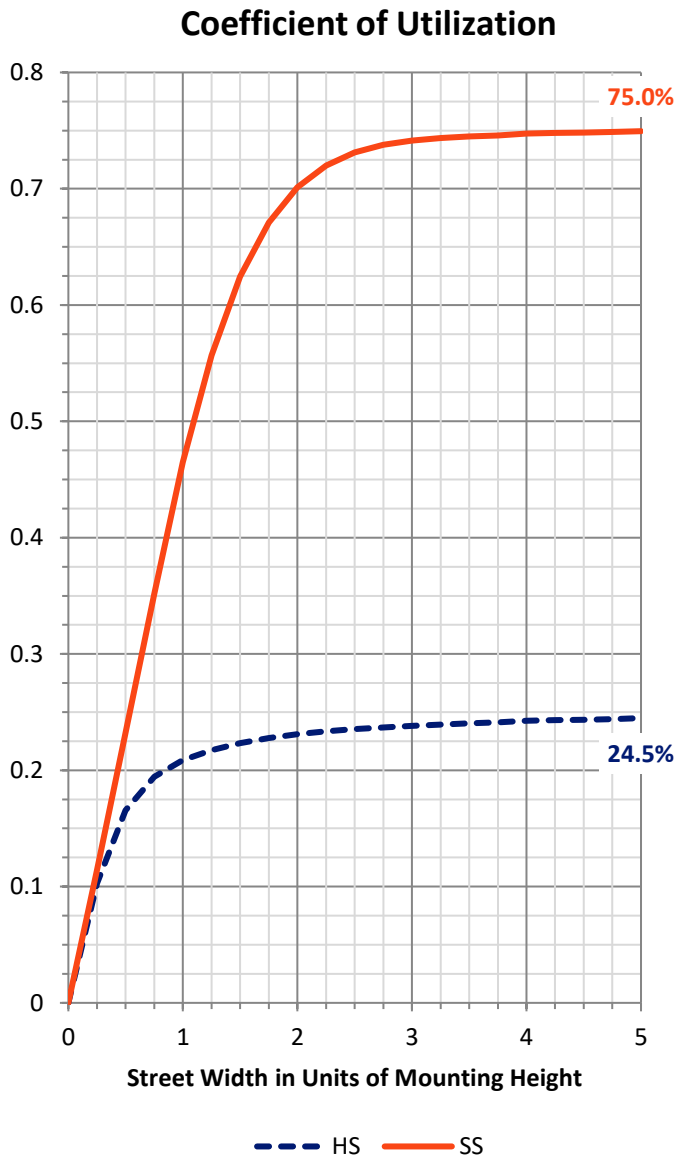
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11097.1	0.0	11097.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	33532.9	0.0	33532.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	44630.0	0.0	44630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.8	1.1
10°-20°	1621.5	3.6
20°-30°	3125.3	7.0
30°-40°	5479.8	12.3
40°-50°	8146.6	18.3
50°-60°	10326.7	23.1
60°-70°	10104.4	22.6
70°-80°	4819.9	10.8
80°-90°	515.1	1.2
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°	44630.0	100.0
0°-180°	44630.0	100.0



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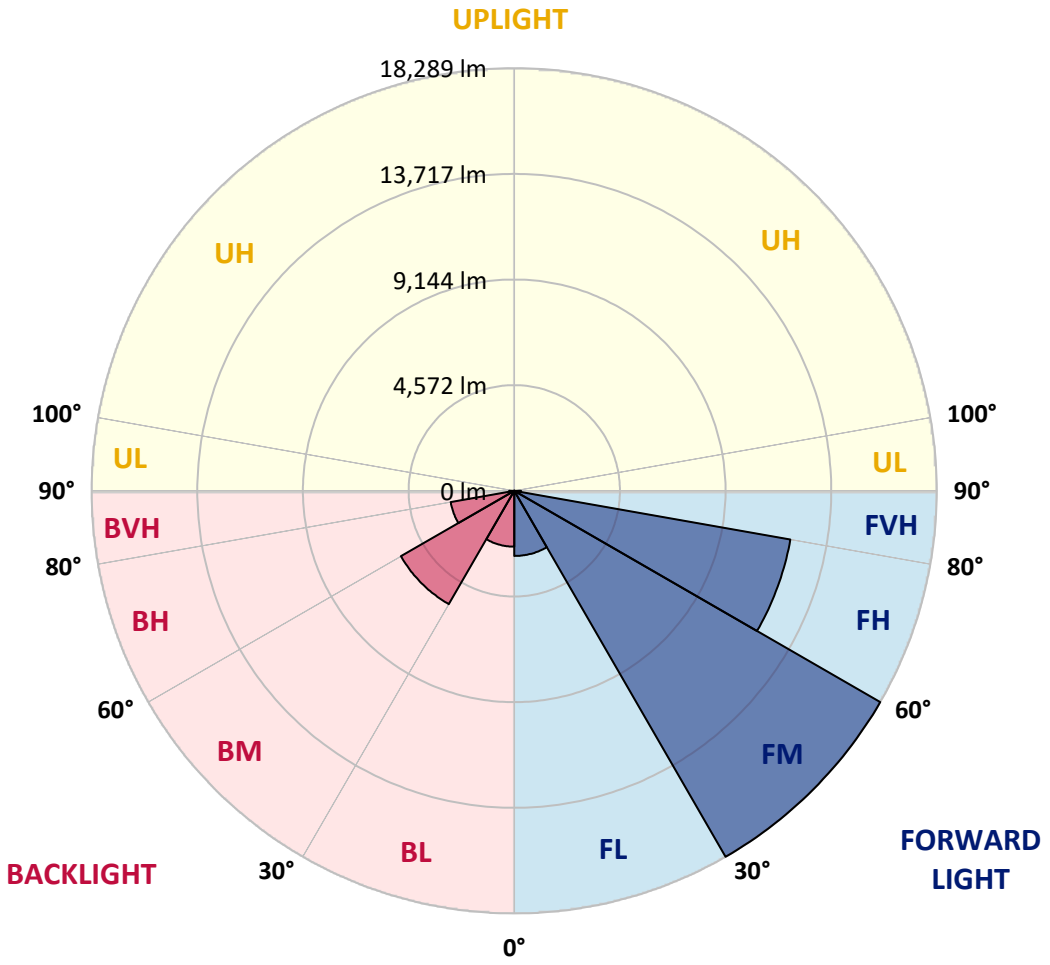
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2820.2	6.3			
FM	(30°-60°)	18289.0	41.0			
FH	(60°-80°)	12131.7	27.2			G5
FVH	(80°-90°)	292.1	0.7			G3/500
BL	(0°-30°)	2417.4	5.4	B3/2500		
BM	(30°-60°)	5664.1	12.7	B4/8500		
BH	(60°-80°)	2792.6	6.3	B4/5000		G4/5000
BVH	(80°-90°)	223.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4950.1	4950.1	4950.1	4950.1	4950.1	4950.1	4950.1	4950.1	*4950.1*	4950.1
2.5°	4898.5	4926.6	4919.6	4907.8	4905.5	4910.2	4917.2	4924.3	*4921.9*	4933.6
5°	4884.4	4912.5	4910.2	4910.2	4919.6	4938.3	4950.1	4961.8	*4950.1*	4964.1
7.5°	4893.8	4914.9	4924.3	4933.6	4957.1	4992.3	5020.4	5046.2	*5032.1*	5048.5
10°	5013.4	5029.8	5039.2	5039.2	5055.6	5095.4	5123.6	5170.5	*5158.8*	5184.5
12.5°	5231.4	5247.9	5247.9	5238.5	5250.2	5276.0	5285.4	5337.0	*5315.9*	5358.1
15°	5498.8	5531.6	5505.8	5489.4	5494.1	5519.9	5517.5	5557.4	*5536.3*	5571.5
17.5°	5794.2	5836.4	5794.2	5791.9	5782.5	5810.6	5813.0	5848.1	*5810.6*	5836.4
20°	6143.6	6202.2	6167.1	6178.8	6157.7	6169.4	6181.1	6232.7	*6174.1*	6192.8
22.5°	6636.0	6706.4	6668.9	6713.4	6699.3	6690.0	6687.6	6779.1	*6687.6*	6694.7
25°	7353.6	7438.0	7372.3	7433.3	7433.3	7463.8	7498.9	7616.2	*7463.8*	7419.2
27.5°	8413.5	8497.9	8368.9	8406.4	8394.7	8469.7	8432.2	8723.0	*8558.8*	8486.1
30°	9689.1	9839.1	9595.3	9585.9	9574.2	9693.8	9747.7	9940.0	*9773.5*	9700.8
32.5°	11067.9	11225.0	10934.2	10849.8	10805.2	10877.9	10833.4	10988.1	*10873.2*	10760.7
35°	12526.4	12681.1	12404.5	12240.3	12062.1	11909.7	11750.2	11790.1	*11682.2*	11511.1
37.5°	13905.2	14188.9	13895.8	13719.9	13391.7	13093.8	12648.3	12463.1	*12362.2*	12205.1
40°	15309.8	15471.6	15248.8	15098.7	14742.3	14275.7	13562.8	13171.2	*13035.2*	12882.8
42.5°	16343.9	16498.6	16379.0	16275.9	15996.8	15455.2	14533.6	14043.5	*13846.6*	13675.4
45°	17164.6	17279.5	17204.4	17242.0	17122.4	16597.1	15539.6	14979.1	*14775.1*	14566.4
47.5°	17495.2	17617.1	17736.7	17959.5	18163.5	17776.6	16620.6	15992.1	*15776.4*	15563.0
50°	17457.7	17582.0	17929.0	18402.7	19035.8	18906.8	17760.2	17070.8	*16871.5*	16627.6
52.5°	17157.5	17298.2	17743.8	18531.6	19539.9	19753.3	18920.9	18184.6	*17997.0*	17706.2
55°	16369.7	16454.1	17122.4	18238.5	19659.5	20344.2	20058.2	19371.1	*19183.5*	18777.9
57.5°	14908.8	15030.7	16003.9	17448.3	19359.4	20745.2	21057.1	20618.6	*20438.0*	19854.2
60°	13002.4	13197.0	14310.8	16121.1	18595.0	20742.9	21964.6	21845.0	*21694.9*	20914.0
62.5°	10845.1	11070.2	12141.8	14245.2	17258.4	20154.3	22532.0	22872.0	*22794.6*	21891.9
65°	8329.0	8483.8	9550.7	11818.2	15178.5	18890.4	22597.7	23573.2	*23587.2*	22635.2
67.5°	*5545.7*	*5991.2*	*6917.4*	*8868.4*	*12392.7*	*16824.6*	*22020.8*	*23688.1*	*23824.1*	*22890.8*
70°	2706.0	3292.2	4199.7	5763.7	8868.4	13656.6	20513.1	22745.4	*23047.9*	22145.1
72.5°	1123.2	1313.1	1807.9	2844.3	5090.8	9215.4	17483.5	20189.5	*20749.9*	19622.0
75°	757.4	820.7	1034.1	1458.5	2319.1	4544.4	12608.5	15054.2	*15957.0*	14819.7
77.5°	583.9	623.7	752.7	1020.0	1378.8	1718.8	6748.6	9072.4	*9539.0*	8830.8
80°	459.6	490.1	562.8	743.3	977.8	919.2	2300.3	4110.6	*4380.2*	3674.4
82.5°	398.6	410.4	403.3	504.2	649.5	537.0	755.1	1517.1	*1674.2*	1214.7
85°	288.4	321.2	335.3	311.9	344.7	272.0	309.5	537.0	*590.9*	527.6
87.5°	117.2	173.5	213.4	201.7	126.6	77.4	96.1	157.1	*180.6*	197.0
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°
4950.1	0°	4950.1	4950.1	4950.1	4950.1	4950.1	4950.1	4950.1	4950.1	4950.1	4950.1
4952.4	2.5°	4954.7	4971.2	4982.9	4997.0	5006.3	5020.4	5048.5	5065.0	5067.3	5079.0
4989.9	5°	4999.3	5022.7	5048.5	5086.1	5128.3	5163.4	5217.4	5254.9	5269.0	5280.7
5081.4	7.5°	5095.4	5128.3	5175.2	5240.8	5301.8	5348.7	5414.3	5458.9	5503.5	5519.9
5226.8	10°	5238.5	5285.4	5353.4	5442.5	5508.1	5569.1	5637.1	5674.6	5719.2	5737.9
5400.3	12.5°	5416.7	5465.9	5555.0	5679.3	5740.3	5782.5	5805.9	5796.6	5805.9	5822.4
5609.0	15°	5620.7	5674.6	5775.5	5909.1	5951.3	5913.8	5862.2	5815.3	5808.3	5813.0
5862.2	17.5°	5862.2	5902.1	6019.3	6131.9	6101.4	5946.6	5834.1	5759.0	5721.5	5709.8
6185.8	20°	6199.9	6199.9	6296.0	6366.4	6162.4	5899.7	5723.9	5601.9	5524.6	5491.7
6626.7	22.5°	6610.2	6572.7	6633.7	6584.4	6150.6	5768.4	5524.6	5313.5	5196.3	5149.4
7243.4	25°	7130.8	7086.2	7069.8	6765.0	6066.2	5559.7	5163.4	4907.8	4804.7	4778.9
8132.1	27.5°	7916.3	7803.8	7590.4	6863.5	5911.5	5231.4	4741.4	4504.5	4445.9	4448.3
9274.0	30°	8962.2	8737.0	8214.1	6879.9	5658.2	4767.2	4309.9	4141.1	4112.9	4124.7
10233.1	32.5°	9930.6	9717.2	8851.9	6804.9	5269.0	4312.2	3923.0	3810.4	3768.2	3782.3
10964.7	35°	10690.3	10631.7	9442.9	6699.3	4790.6	3885.5	3576.0	3479.8	3397.7	3379.0
11654.1	37.5°	11407.9	11384.4	9886.0	6551.6	4316.9	3583.0	3296.9	3170.3	3050.7	2985.0
12416.2	40°	12195.8	12172.3	10176.8	6324.2	3897.2	3320.4	3046.0	2879.5	2731.8	2612.2
13279.1	42.5°	13082.1	12943.8	10315.2	5998.2	3540.8	3097.6	2842.0	2616.9	2422.3	2312.1
14254.6	45°	14050.6	13738.7	10312.8	5583.2	3240.6	2893.6	2623.9	2305.0	2124.5	2021.3
15255.8	47.5°	15077.6	14498.4	10186.2	5123.6	2949.9	2668.5	2286.3	2042.4	1922.8	1859.5
16343.9	50°	16137.5	15208.9	9970.5	4596.0	2652.1	2412.9	2075.2	1908.7	1817.3	1758.7
17422.5	52.5°	17134.1	15853.8	9710.2	3998.0	2349.6	2164.3	1981.4	1852.5	1756.3	1690.7
18468.3	55°	18060.3	16409.5	9342.0	3386.0	2103.4	1997.8	1936.9	1829.0	1718.8	1641.4
19530.6	57.5°	18883.4	16770.6	8706.6	2811.5	1927.5	1882.9	1890.0	1789.1	1662.5	1596.9
20576.4	60°	19568.1	17035.6	7766.3	2279.2	1784.5	1770.4	1817.3	1714.1	1566.4	1491.3
21460.4	62.5°	19978.4	17030.9	6612.6	1866.5	1662.5	1667.2	1721.1	1620.3	1470.2	1399.9
21922.4	65°	19943.3	16613.5	5346.3	1596.9	1545.3	1550.0	1620.3	1517.1	1390.5	1348.3
21690.2	67.5°	*19237.5*	*15595.8*	*4101.2*	*1421.0*	*1416.3*	*1437.4*	*1519.5*	*1446.8*	*1341.3*	*1336.6*
20306.7	70°	17326.4	13483.1	2954.6	1280.3	1282.7	1313.1	1421.0	1402.2	1315.5	1324.9
17073.1	72.5°	13893.5	10280.0	1983.8	1132.6	1134.9	1184.2	1327.2	1367.1	1289.7	1414.0
12113.7	75°	9252.9	6410.9	1275.6	975.5	977.8	1041.1	1245.1	1299.1	1219.3	1409.3
6303.1	77.5°	4445.9	2881.9	923.9	820.7	820.7	879.3	1076.3	1163.1	1038.8	1095.1
2026.0	80°	1535.9	1083.3	726.9	661.3	647.2	687.1	907.5	1008.3	895.7	825.4
661.3	82.5°	605.0	562.8	583.9	513.5	466.6	492.4	705.8	832.4	658.9	595.6
372.8	85°	347.0	365.8	412.7	340.0	269.7	302.5	518.2	597.9	497.1	438.5
121.9	87.5°	93.8	129.0	189.9	175.9	121.9	129.0	246.2	330.6	286.1	220.4
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

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180°
4950.1
5076.7
5278.3
5522.2
5747.3
5827.0
5829.4
5726.2
5484.7
5142.3
4783.6
4455.3
4164.5
3801.1
3393.1
2987.4
2623.9
2319.1
2016.6
1845.4
1737.6
1662.5
1610.9
1554.7
1458.5
1378.8
1346.0
1343.6
1322.5
1432.7
1421.0
1003.6
773.8
593.3
447.9
227.5
0.0

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