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: McGRAW-EDISON

Report Number: P944652

Luminaire Tested: **GALN-SB9C-950-U-SL4**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P944652
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB9C-950-U-SL4
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(9) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	47038 lumens
Efficiency:	N/A
Efficacy:	104.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B4 - U0 - G5

Input Watts (W):	449.8
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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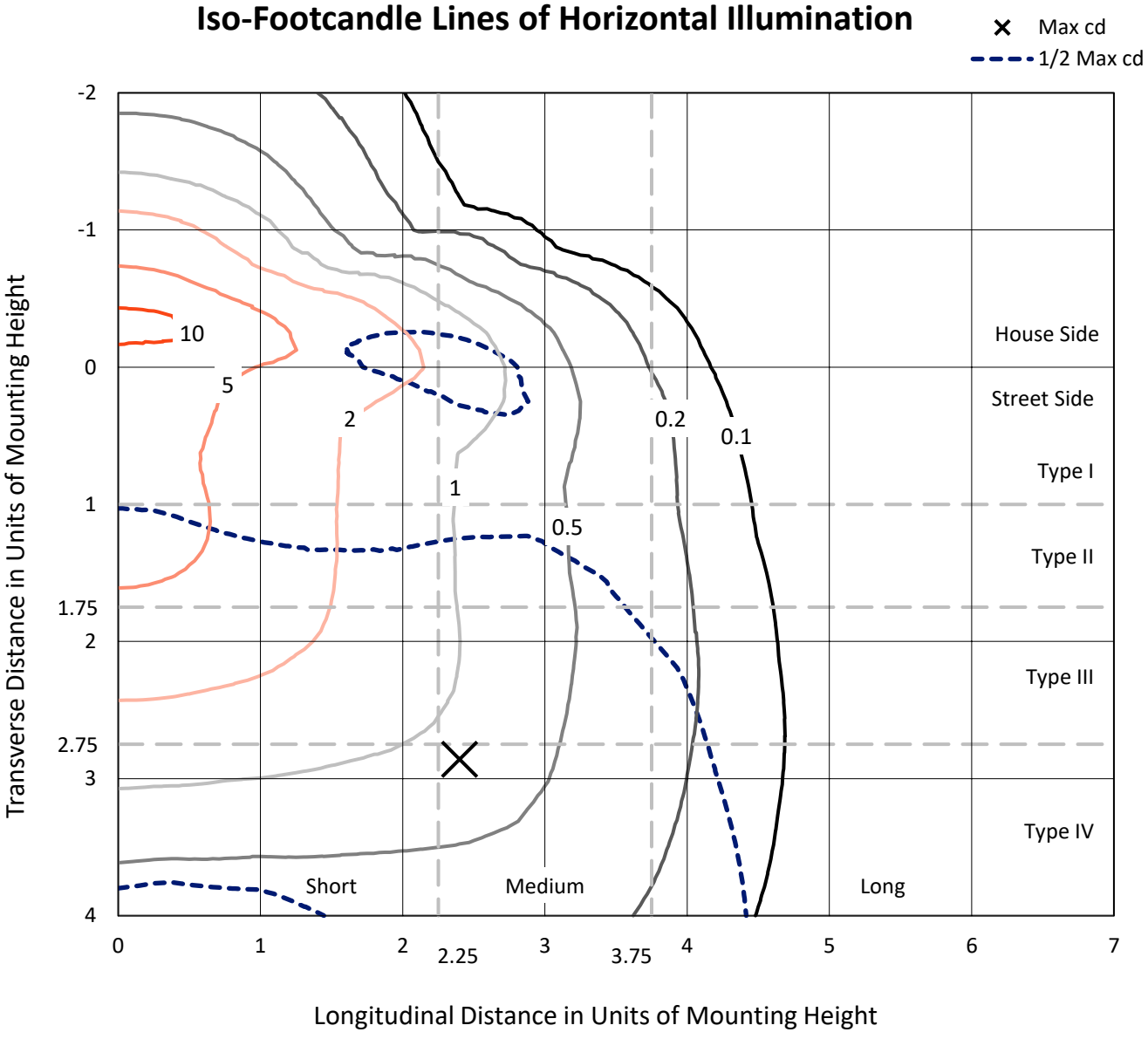
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
Type IV - Medium - N/A

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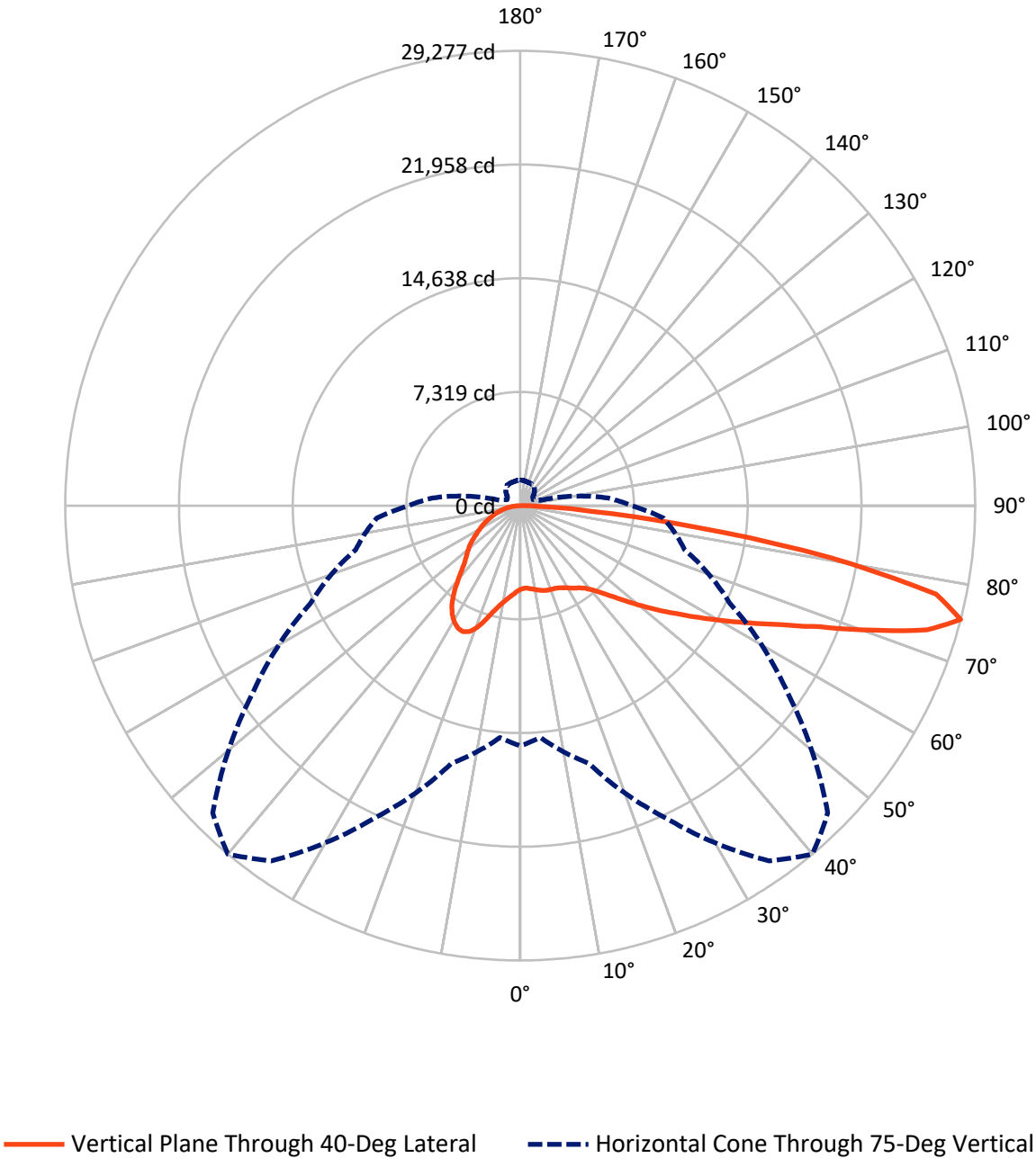
Luminous Intensity Polar Plot



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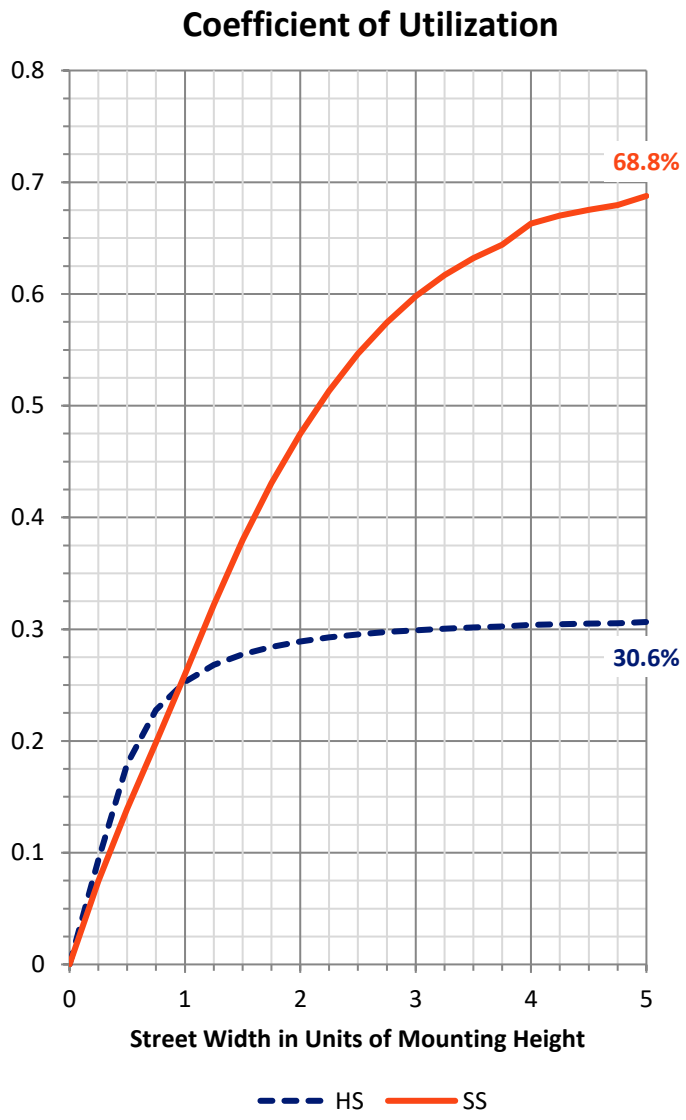
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14573.9	0.0	14573.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	32464.0	0.0	32464.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	47038.0	0.0	47038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.9	1.1
10°-20°	1802.7	3.8
20°-30°	3291.5	7.0
30°-40°	4668.3	9.9
40°-50°	6303.6	13.4
50°-60°	8480.0	18.0
60°-70°	10763.0	22.9
70°-80°	9768.1	20.8
80°-90°	1423.9	3.0
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°	47038.0	100.0
0°-180°	47038.0	100.0



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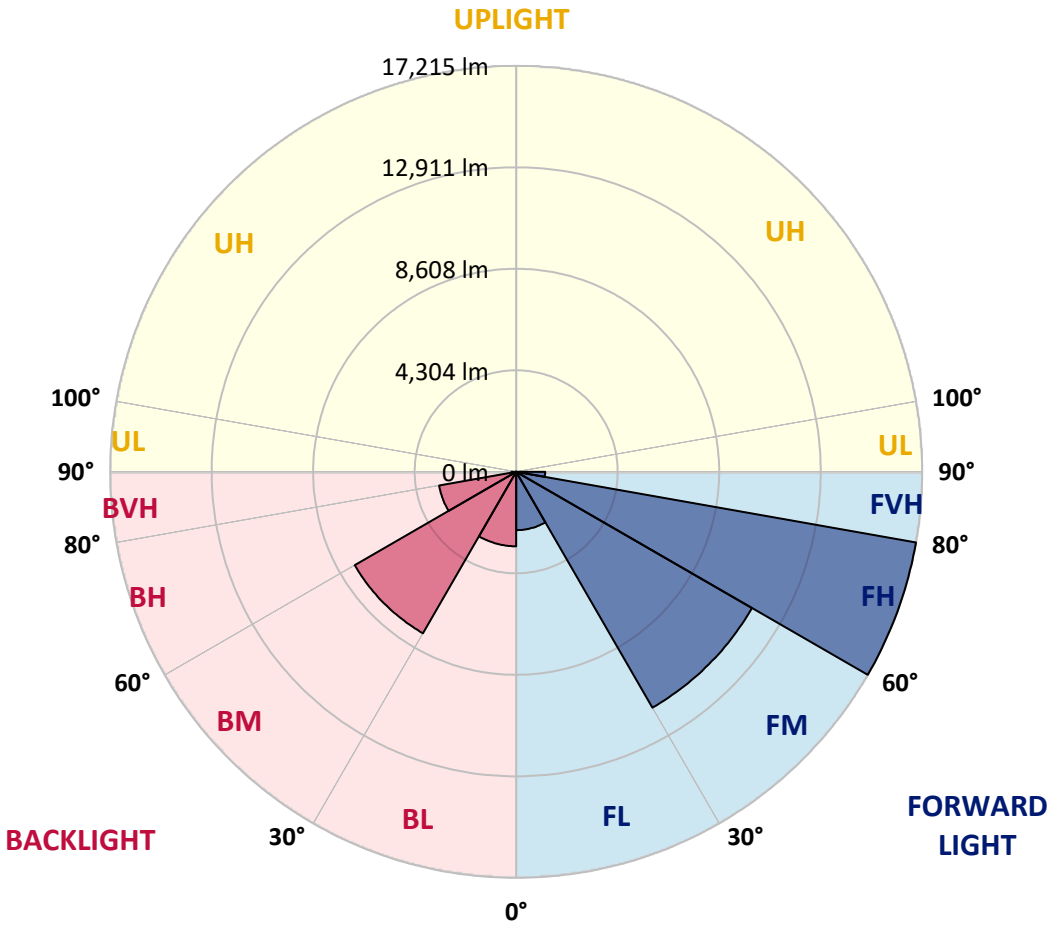
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2474.2	5.3			
FM	(30°-60°)	11546.8	24.5			
FH	(60°-80°)	17215.2	36.6			G5
FVH	(80°-90°)	1227.8	2.6			G5
BL	(0°-30°)	3156.9	6.7	B4/5000		
BM	(30°-60°)	7905.0	16.8	B4/8500		
BH	(60°-80°)	3316.0	7.0	B4/5000		G4/5000
BVH	(80°-90°)	196.0	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9
2.5°	5296.5	5326.5	5319.0	5309.0	5309.0	5311.5	5309.0	5326.5	5343.9	5361.4
5°	5351.4	5381.4	5366.4	5353.9	5343.9	5341.4	5334.0	5331.5	5341.4	5363.9
7.5°	5458.7	5488.6	5466.2	5443.7	5423.8	5413.8	5403.8	5388.8	5381.4	5393.8
10°	5578.4	5608.4	5580.9	5541.0	5508.6	5496.1	5486.1	5471.2	5461.2	5468.7
12.5°	5698.2	5728.1	5690.7	5635.8	5593.4	5585.9	5573.5	5568.5	5566.0	5563.5
15°	5810.5	5835.4	5788.0	5723.1	5678.2	5665.8	5653.3	5660.8	5673.2	5688.2
17.5°	5897.8	5922.7	5852.9	5768.1	5725.6	5720.6	5713.2	5738.1	5773.0	5810.5
20°	5977.6	6002.6	5912.8	5798.0	5748.1	5748.1	5750.6	5803.0	5852.9	5907.8
22.5°	6089.9	6109.8	6000.1	5842.9	5770.5	5775.5	5795.5	5847.9	5910.3	5985.1
25°	6257.0	6272.0	6137.3	5927.7	5845.4	5860.4	5877.8	5902.8	5962.6	6050.0
27.5°	6526.5	6539.0	6361.8	6077.4	5952.7	5977.6	6002.6	5985.1	6012.5	6087.4
30°	6905.7	6913.2	6688.6	6311.9	6134.8	6147.3	6152.3	6079.9	6027.5	6087.4
32.5°	7354.8	7352.3	7085.3	6596.3	6341.9	6329.4	6287.0	6144.8	6022.5	6074.9
35°	8050.8	8023.4	7679.1	6995.5	6576.4	6499.0	6399.2	6217.1	6047.5	6062.4
37.5°	9203.4	9118.6	8642.1	7649.2	6925.7	6728.6	6581.4	6334.4	6102.4	6057.5
40°	10503.2	10396.0	9872.1	8544.8	7449.6	7132.7	6895.7	6501.5	6192.2	6079.9
42.5°	12045.0	11892.9	11329.0	9600.1	8113.2	7654.1	7297.4	6713.6	6324.4	6152.3
45°	13938.6	13736.5	12938.2	10790.1	8949.0	8337.7	7861.2	7035.4	6526.5	6292.0
47.5°	15852.2	15902.1	14766.9	12152.3	9951.9	9181.0	8567.3	7519.4	6820.9	6516.5
50°	17885.5	17920.4	16585.6	13661.7	11089.5	10134.0	9360.6	8060.8	7230.0	6835.8
52.5°	19472.2	19477.2	18237.2	15240.9	12274.6	11181.8	10216.3	8679.5	7704.0	7260.0
55°	20465.1	20452.6	19394.8	16735.3	13636.8	12282.1	11164.4	9383.1	8282.8	7758.9
57.5°	21186.1	21148.7	20193.2	18020.2	15088.7	13581.9	12237.2	10181.4	8966.4	8352.7
60°	21460.5	21438.1	20734.5	19130.4	16615.6	15018.9	13474.6	11074.6	9742.3	9053.7
62.5°	21565.3	21607.7	21265.9	20205.6	18249.7	16610.6	14834.3	12142.3	10615.5	9847.1
65°	21934.6	22011.9	21942.0	21612.7	20095.9	18474.2	16638.0	13412.2	11568.5	10697.8
67.5°	22665.5	22742.9	22772.8	23296.7	22351.2	20796.9	18888.4	14993.9	12683.7	11581.0
70°	22648.1	22625.6	23154.5	24636.5	25175.4	24012.8	21922.1	16939.9	14013.5	12314.5
72.5°	20614.8	20435.2	21685.1	24621.5	27525.5	27370.8	25626.9	19449.7	15161.1	12404.3
75°	15465.5	14986.5	17194.4	22189.0	27917.2	29276.9	27982.0	21006.5	14889.2	10959.8
77.5°	6613.8	6132.3	8734.4	16426.0	24985.7	27368.3	25821.5	18327.0	11885.4	7247.5
80°	1731.4	1728.9	2639.5	7447.1	16992.3	20210.6	17730.8	11835.5	6790.9	2589.6
82.5°	716.0	698.6	970.5	2896.5	8302.8	11341.5	9255.8	5279.1	2452.4	701.0
85°	266.9	264.5	471.5	1000.4	2928.9	4677.8	3385.5	1349.7	611.2	341.8
87.5°	74.8	72.4	102.3	346.8	713.5	1082.8	578.8	222.0	172.1	134.7
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°
5378.9	0°	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9	5378.9
5388.8	2.5°	5396.3	5408.8	5431.2	5448.7	5471.2	5496.1	5531.0	5553.5	5575.9	5590.9
5401.3	5°	5418.8	5446.2	5503.6	5561.0	5628.3	5690.7	5763.1	5815.5	5857.9	5870.3
5446.2	7.5°	5468.7	5513.6	5610.9	5708.2	5815.5	5917.7	6022.5	6112.3	6184.7	6212.1
5526.1	10°	5556.0	5615.9	5753.1	5890.3	6032.5	6189.7	6324.4	6454.1	6556.4	6598.8
5620.9	12.5°	5665.8	5740.6	5920.2	6109.8	6306.9	6524.0	6698.6	6858.3	6985.5	7042.9
5753.1	15°	5808.0	5905.3	6134.8	6389.3	6678.7	6980.5	7202.6	7379.7	7521.9	7591.8
5890.3	17.5°	5962.6	6092.4	6381.8	6766.0	7180.1	7576.8	7836.3	7966.0	8113.2	8180.6
6017.5	20°	6112.3	6272.0	6686.1	7245.0	7796.4	8218.0	8427.5	8462.5	8472.4	8479.9
6137.3	22.5°	6267.0	6481.6	7067.9	7848.7	8440.0	8731.9	8761.9	8612.2	8402.6	8305.3
6254.5	25°	6436.7	6721.1	7566.8	8514.9	8993.9	9028.8	8799.3	8435.0	8038.3	7856.2
6349.3	27.5°	6601.3	6998.0	8165.6	9151.0	9393.0	9086.2	8592.2	8075.8	7596.8	7404.7
6416.7	30°	6766.0	7314.8	8826.7	9707.4	9575.2	8944.0	8265.4	7689.1	7207.6	7005.5
6476.6	32.5°	6933.1	7684.1	9587.6	10109.1	9542.7	8642.1	7858.7	7255.0	6830.9	6618.8
6529.0	35°	7122.7	8138.1	10308.6	10328.6	9325.7	8198.0	7322.3	6736.0	6366.8	6197.2
6591.3	37.5°	7369.7	8714.4	10944.8	10383.5	8946.5	7546.9	6656.2	6122.3	5817.9	5740.6
6683.7	40°	7676.6	9408.0	11431.3	10296.2	8385.1	6756.0	5927.7	5501.1	5329.0	5346.4
6808.4	42.5°	8075.8	10183.9	11773.1	10071.6	7604.2	5940.2	5289.0	5099.4	5181.8	5251.6
6995.5	45°	8594.7	10989.7	11985.2	9689.9	6721.1	5249.1	4912.3	4957.2	5019.6	5027.1
7297.4	47.5°	9258.3	11805.5	12124.9	9113.6	5820.4	4762.6	4672.8	4682.8	4670.3	4617.9
7748.9	50°	10086.6	12598.9	12249.6	8350.2	5054.5	4458.3	4338.5	4303.6	4131.4	3961.8
8350.2	52.5°	11029.7	13327.4	12302.0	7402.2	4458.3	4203.8	4009.2	3789.6	3467.8	3415.4
9106.1	55°	12077.5	14001.0	12167.3	6237.1	3956.8	3877.0	3582.6	3318.1	3283.2	3238.3
10101.6	57.5°	13329.9	14727.0	11892.9	4937.3	3442.9	3495.3	3208.4	3238.3	3175.9	3106.1
11381.4	60°	14699.6	15477.9	11411.4	3752.2	2911.5	3018.7	3111.1	3108.6	3091.1	3033.7
12731.1	62.5°	15932.0	15971.9	10463.3	2874.0	2444.9	2649.5	2901.5	2899.0	2884.0	2851.6
14140.7	65°	16665.5	15897.1	8881.6	2262.8	2060.7	2345.1	2617.1	2637.0	2639.5	2637.0
15201.0	67.5°	16535.7	15021.4	6711.1	1801.3	1743.9	2035.8	2335.2	2362.6	2382.6	2387.6
15335.7	70°	15068.8	13097.9	4375.9	1437.0	1462.0	1763.8	2068.2	2095.7	2113.1	2133.1
13307.4	72.5°	11745.7	9630.1	2504.8	1162.6	1215.0	1529.3	1803.8	1836.2	1846.2	1883.6
9260.8	75°	*7157.7*	*5663.3*	*1352.2*	*915.6*	*997.9*	*1307.3*	*1541.8*	*1579.2*	*1596.7*	*1641.6*
4548.1	77.5°	3403.0	2452.4	770.9	713.5	803.3	1067.8	1302.3	1344.7	1297.3	1322.3
1254.9	80°	1150.1	910.6	486.5	543.9	613.7	833.3	1042.8	1085.3	985.5	980.5
416.6	82.5°	401.7	369.2	309.4	361.8	396.7	596.3	788.4	843.3	733.5	731.0
187.1	85°	157.2	149.7	172.1	197.1	237.0	366.7	518.9	546.4	451.6	364.2
54.9	87.5°	32.4	34.9	42.4	44.9	72.4	127.2	187.1	229.5	182.1	154.7
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°
5378.9
5580.9
5875.3
6214.6
6601.3
7042.9
7586.8
8178.1
8499.9
8332.7
7883.7
7427.1
7027.9
6646.2
6234.6
5795.5
5406.3
5316.5
5077.0
4657.9
3984.2
3432.9
3245.8
3093.6
3013.8
2839.1
2637.0
2392.5
2143.1
1898.6
1646.6
1302.3
970.5
696.1
359.3
142.2
0.0

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