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: P952774

Luminaire Tested: **GALN-SB6C-740-U-SL2**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P952774
	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:	McGRAW-EDISON
Catalog Number:	GALN-SB6C-740-U-SL2
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 70 CRI, 4000K, 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:	47756 lumens
Efficiency:	N/A
Efficacy:	158.7 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):	300.9
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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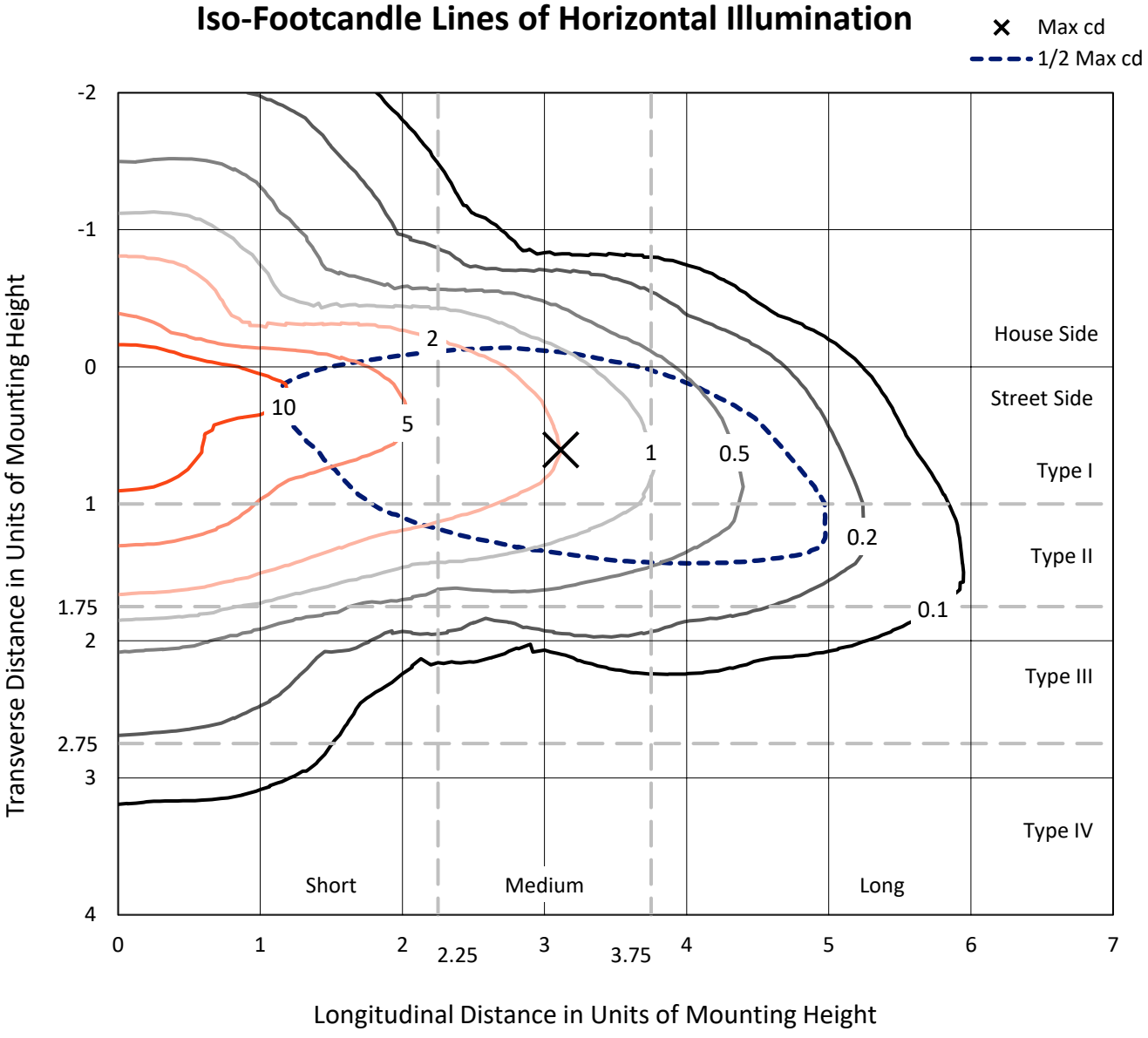
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
Type II - Medium - N/A

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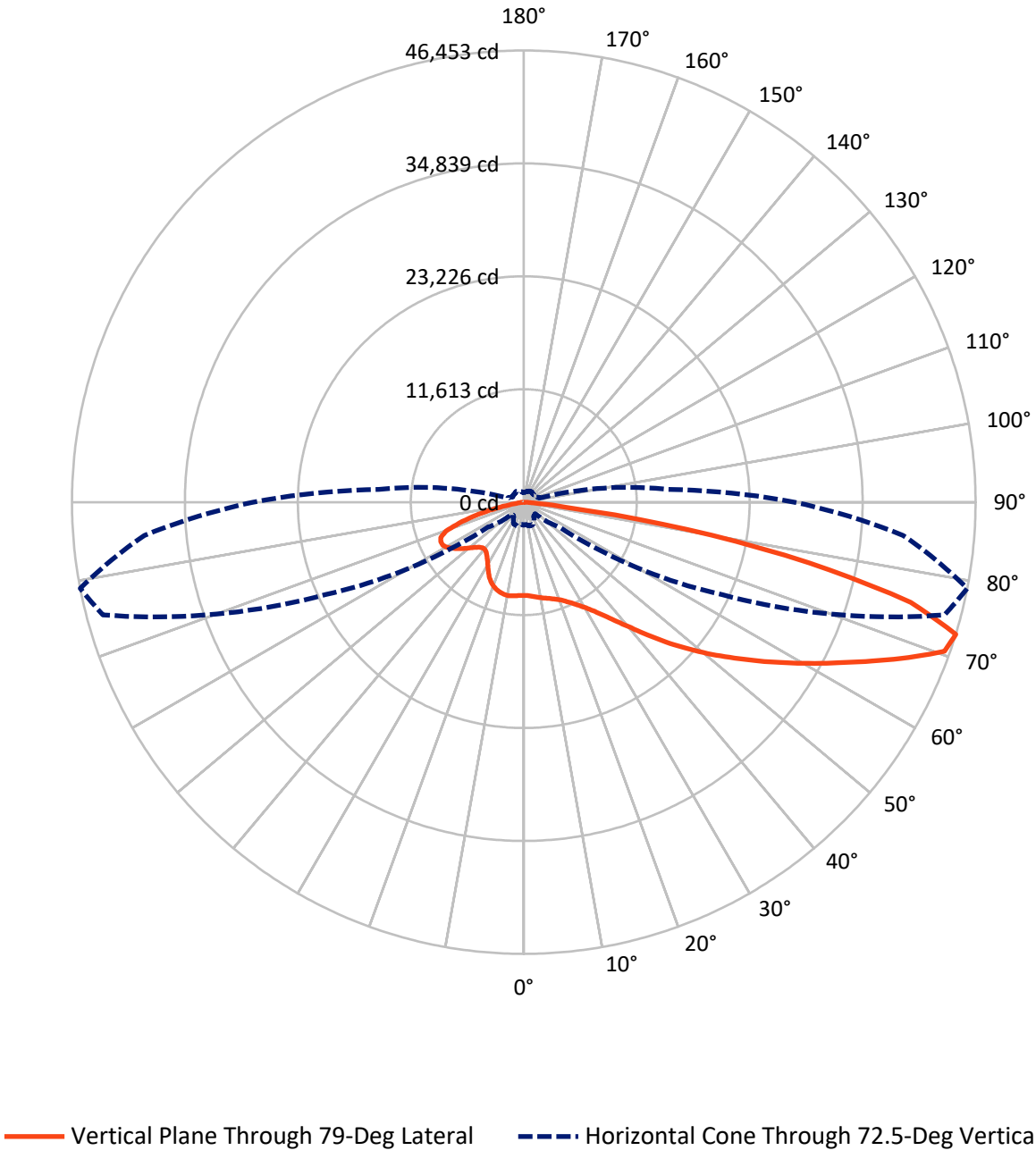
Luminous Intensity Polar Plot



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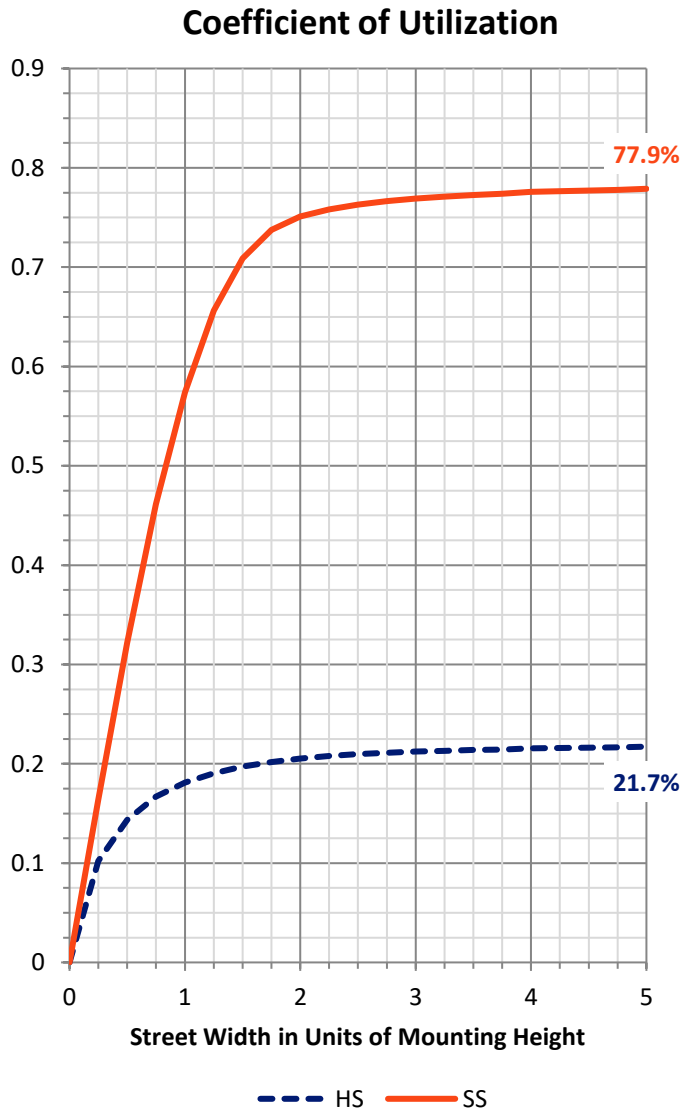
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10508.9	0.0	10508.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	37247.0	0.0	37247.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	47756.0	0.0	47756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.2	1.8
10°-20°	2275.1	4.8
20°-30°	3671.1	7.7
30°-40°	5509.8	11.5
40°-50°	7815.9	16.4
50°-60°	9870.4	20.7
60°-70°	10024.8	21.0
70°-80°	6832.3	14.3
80°-90°	886.4	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°	47756.0	100.0
0°-180°	47756.0	100.0



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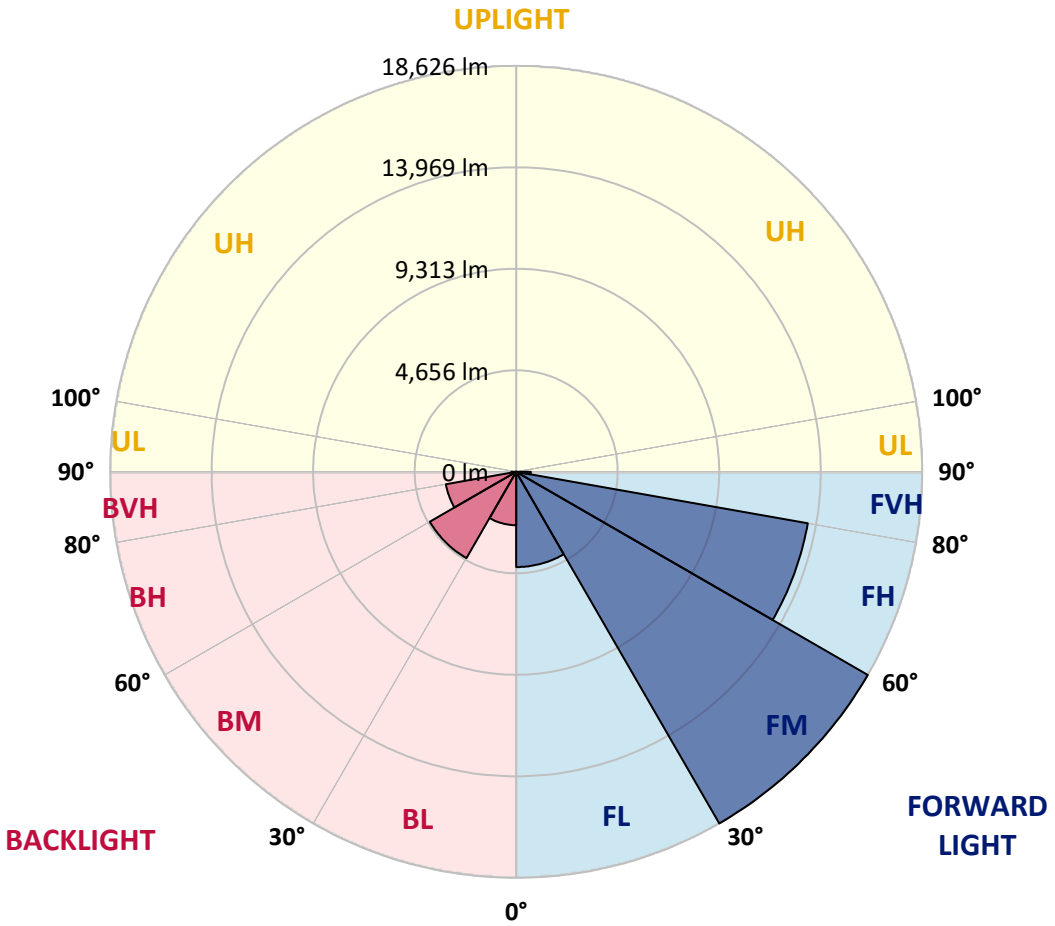
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4368.5	9.1			
FM	(30°-60°)	18625.8	39.0			
FH	(60°-80°)	13585.0	28.4			G5
FVH	(80°-90°)	667.8	1.4			G4/750
BL	(0°-30°)	2447.8	5.1	B3/2500		
BM	(30°-60°)	4570.3	9.6	B3/5000		
BH	(60°-80°)	3272.1	6.9	B4/5000		G4/5000
BVH	(80°-90°)	218.7	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6	*9586.6*
2.5°	9591.6	9546.1	9573.9	9563.8	9576.5	9591.6	9596.7	9604.2	9629.5	*9627.0*
5°	9571.4	9525.9	9563.8	9551.2	9584.0	9619.4	9649.7	9677.5	9717.9	*9735.6*
7.5°	9528.5	9498.1	9536.0	9573.9	9634.6	9687.6	9730.6	9793.7	9851.8	*9861.9*
10°	9278.4	9255.6	9344.1	9442.6	9609.3	9753.3	9846.8	9920.0	9983.2	*9993.3*
12.5°	9018.2	8990.4	9088.9	9222.8	9493.1	9753.3	9950.3	10046.3	10101.9	*10134.7*
15°	8975.2	8952.5	9008.1	9124.3	9349.1	9685.1	10021.1	10197.9	10245.9	*10283.8*
17.5°	9182.4	9139.4	9162.2	9202.6	9334.0	9621.9	10076.6	10369.7	10442.9	*10483.3*
20°	9662.3	9601.7	9566.4	9485.5	9462.8	9632.0	10071.6	10576.8	10672.8	*10723.3*
22.5°	10301.5	10261.0	10185.2	9980.6	9758.3	9755.8	10167.6	10842.0	11021.4	*11069.4*
25°	11074.4	11013.8	10917.8	10639.9	10213.0	10000.8	10329.2	11180.5	11481.1	*11493.8*
27.5°	11963.6	11872.7	11741.3	11375.0	10799.1	10384.8	10576.8	11569.6	12009.1	*12004.0*
30°	12900.8	12809.9	12670.9	12226.3	11501.3	10902.7	10920.3	11988.9	12635.6	*12607.8*
32.5°	13585.4	13517.2	13489.4	13145.8	12309.7	11514.0	11314.4	12453.7	13408.6	*13383.3*
35°	14110.8	14022.4	14055.2	13880.9	13191.3	12198.6	11796.9	13006.9	14348.3	*14345.7*
37.5°	14631.2	14552.9	14580.7	14464.5	14007.2	13067.5	12385.5	13683.9	15512.8	*15568.4*
40°	15106.1	15022.7	15133.9	15025.3	14641.3	13992.1	13054.9	14449.3	16861.7	*16967.8*
42.5°	15391.5	15325.9	15510.3	15512.8	15192.0	14772.7	13790.0	15293.0	18422.9	*18660.3*
45°	15490.1	15467.3	15745.2	15803.3	15679.5	15224.8	14451.8	16212.5	20105.3	*20529.6*
47.5°	15384.0	15341.0	15725.0	15939.7	16038.2	15437.0	15000.0	17207.8	21823.0	*22444.4*
50°	14848.4	14765.1	15336.0	15788.1	16139.3	15576.0	15553.2	18357.2	23775.7	*24455.2*
52.5°	13886.0	13822.8	14472.0	15257.7	15917.0	15644.2	16174.6	19612.7	25629.8	*26508.9*
55°	12655.8	12572.4	13287.3	14312.9	15363.8	15621.4	16796.1	21017.2	27817.5	*28709.2*
57.5°	10705.6	10538.9	11443.2	12655.8	14461.9	15593.6	17442.7	22414.1	30040.4	*31109.0*
60°	7861.2	7613.7	8722.6	10160.0	12698.7	15323.3	18243.5	23980.3	32708.0	*33670.4*
62.5°	4577.3	4433.3	5158.3	6499.7	9571.4	13731.9	18693.2	25801.6	35330.1	*36340.5*
65°	3554.2	3513.8	3577.0	3680.5	5327.6	10281.2	17306.3	27577.5	38664.5	*39371.8*
67.5°	3251.1	3220.8	3248.6	3054.1	2702.9	5726.7	13691.5	28027.1	42236.5	*42665.9*
70°	2889.9	2854.5	2945.4	2778.7	2127.0	2604.4	8846.4	26395.3	45078.3	*45884.1*
72.5°	*2354.3*	*2313.9*	*2526.1*	*2450.3*	*1791.0*	*1672.3*	*4443.4*	*22517.7*	*44780.2*	*46452.5*
75°	1808.7	1786.0	2038.6	2101.7	1460.1	1316.1	2132.0	16738.0	39407.2	*41092.1*
77.5°	1404.5	1386.8	1515.7	1745.5	1177.2	1020.5	1311.0	10617.2	29696.9	*29992.4*
80°	1053.4	1002.9	1121.6	1351.5	917.0	745.2	889.2	6191.5	18771.5	*17015.8*
82.5°	659.3	634.1	732.6	901.8	646.7	512.8	578.5	3420.3	7522.7	*4430.8*
85°	376.4	366.3	399.1	515.3	351.1	295.6	330.9	1510.6	1374.2	*944.8*
87.5°	151.6	146.5	181.9	229.9	128.8	108.6	116.2	363.8	303.1	*280.4*
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°
9586.6	0°	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6	9586.6
9624.5	2.5°	9614.4	9614.4	9579.0	9523.4	9460.3	9419.8	9354.2	9336.5	9268.3	9248.1
9710.3	5°	9730.6	9710.3	9601.7	9445.1	9230.4	9033.3	8816.1	8679.7	8487.7	8419.5
9879.6	7.5°	9877.1	9821.5	9634.6	9291.0	8841.4	8399.3	7939.5	7590.9	7257.5	7138.8
10018.5	10°	10010.9	9932.6	9614.4	9013.1	8235.1	7469.7	6737.1	6224.3	5835.3	5676.2
10172.6	12.5°	10144.8	10000.8	9480.5	8550.9	7373.7	6335.5	5554.9	5155.8	4915.8	4723.8
10298.9	15°	10271.1	10069.0	9273.3	7932.0	6428.9	5375.5	4799.6	4481.3	4289.3	4163.0
10483.3	17.5°	10417.7	10127.1	8962.6	7146.3	5529.6	4711.2	4241.3	4049.3	4011.5	3996.3
10735.9	20°	10622.3	10180.2	8553.4	6267.3	4867.8	4180.7	3938.2	3920.5	3918.0	3910.4
11039.1	22.5°	10842.0	10243.3	8012.8	5469.0	4304.5	3849.8	3806.8	3771.5	3748.7	3746.2
11405.4	25°	11102.2	10263.6	7335.8	4814.8	3824.5	3693.2	3642.6	3589.6	3574.4	3574.4
11822.2	27.5°	11354.8	10195.4	6547.7	4246.4	3554.2	3549.2	3483.5	3465.8	3463.3	3470.9
12297.1	30°	11607.4	10066.5	5764.6	3721.0	3397.6	3397.6	3374.9	3387.5	3397.6	3422.9
12948.8	32.5°	11948.5	9930.1	5110.3	3331.9	3261.2	3235.9	3258.7	3283.9	3294.0	3326.9
13805.2	35°	12448.6	9834.1	4589.9	3119.7	3119.7	3086.9	3099.5	3094.5	3071.7	3056.6
14840.9	37.5°	13110.5	9829.1	4160.5	3021.2	3001.0	2996.0	2998.5	2965.6	2877.2	2771.1
16093.8	40°	13906.2	9965.5	3829.6	2953.0	2937.9	2968.2	2953.0	2864.6	2622.1	2437.7
17634.7	42.5°	14974.7	10354.5	3617.4	2869.7	2915.1	2953.0	2892.4	2586.7	2422.5	2298.8
19390.4	45°	16232.7	10986.0	3508.8	2781.2	2872.2	2917.6	2624.6	2490.7	2359.4	2210.3
21305.2	47.5°	17657.5	11781.7	3483.5	2697.9	2776.2	2804.0	2510.9	2450.3	2301.3	2139.6
23230.0	50°	19208.5	12724.0	3551.7	2599.4	2637.3	2541.3	2473.1	2417.5	2263.4	2104.2
25202.9	52.5°	20812.6	13762.2	3688.1	2465.5	2498.3	2392.2	2457.9	2409.9	2240.7	2025.9
27241.5	55°	22388.9	14808.0	3819.5	2308.9	2356.9	2258.3	2415.0	2379.6	2137.1	1894.6
29416.5	57.5°	23990.4	15848.8	3948.3	2169.9	2220.4	2129.5	2346.8	2298.8	2020.9	1773.3
31791.0	60°	25655.1	16859.2	4008.9	2036.0	2071.4	2010.8	2243.2	2159.8	1889.5	1649.5
34125.1	62.5°	27213.7	17700.4	3910.4	1902.2	1924.9	1899.6	2106.8	1995.6	1758.2	1510.6
36557.8	65°	28777.4	18200.6	3607.3	1770.8	1775.9	1763.2	1914.8	1818.8	1604.1	1389.4
38687.3	67.5°	30194.5	18481.0	3124.8	1629.3	1616.7	1611.7	1735.4	1626.8	1455.0	1268.1
40306.5	70°	30495.1	17768.6	2387.2	1462.6	1462.6	1450.0	1538.4	1427.2	1290.8	1139.3
39147.0	72.5°	*27852.8*	*14947.0*	*1695.0*	*1273.2*	*1293.4*	*1268.1*	*1341.4*	*1247.9*	*1124.1*	*1023.1*
33738.6	75°	22459.6	10960.8	1232.7	1078.6	1114.0	1071.1	1139.3	1073.6	967.5	965.0
23250.3	77.5°	15432.0	6777.5	894.2	889.2	914.4	858.9	937.2	901.8	805.8	762.9
10119.6	80°	6585.6	2702.9	651.7	687.1	687.1	636.6	727.5	737.6	654.3	634.1
1952.7	82.5°	1311.0	767.9	457.2	472.4	444.6	429.4	515.3	570.9	788.1	876.6
588.6	85°	394.1	282.9	275.3	257.7	227.3	229.9	303.1	573.4	707.3	404.2
194.5	87.5°	108.6	70.7	73.3	58.1	48.0	63.2	103.6	434.5	237.5	101.0
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°
9586.6
9280.9
8470.0
7153.9
5711.5
4787.0
4185.8
4006.4
3935.7
3774.0
3589.6
3491.1
3440.6
3354.7
3092.0
2773.7
2432.6
2293.7
2200.2
2127.0
2086.6
2010.8
1881.9
1768.3
1642.0
1508.1
1374.2
1252.9
1134.2
992.8
869.0
714.9
634.1
879.1
348.6
85.9
0.0

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