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: P952070

Luminaire Tested: **GALN-SB6A-740-U-T2U**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P952070
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB6A-740-U-T2U
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29164 lumens
Efficiency:	N/A
Efficacy:	170.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4
Input Watts (W):	170.9
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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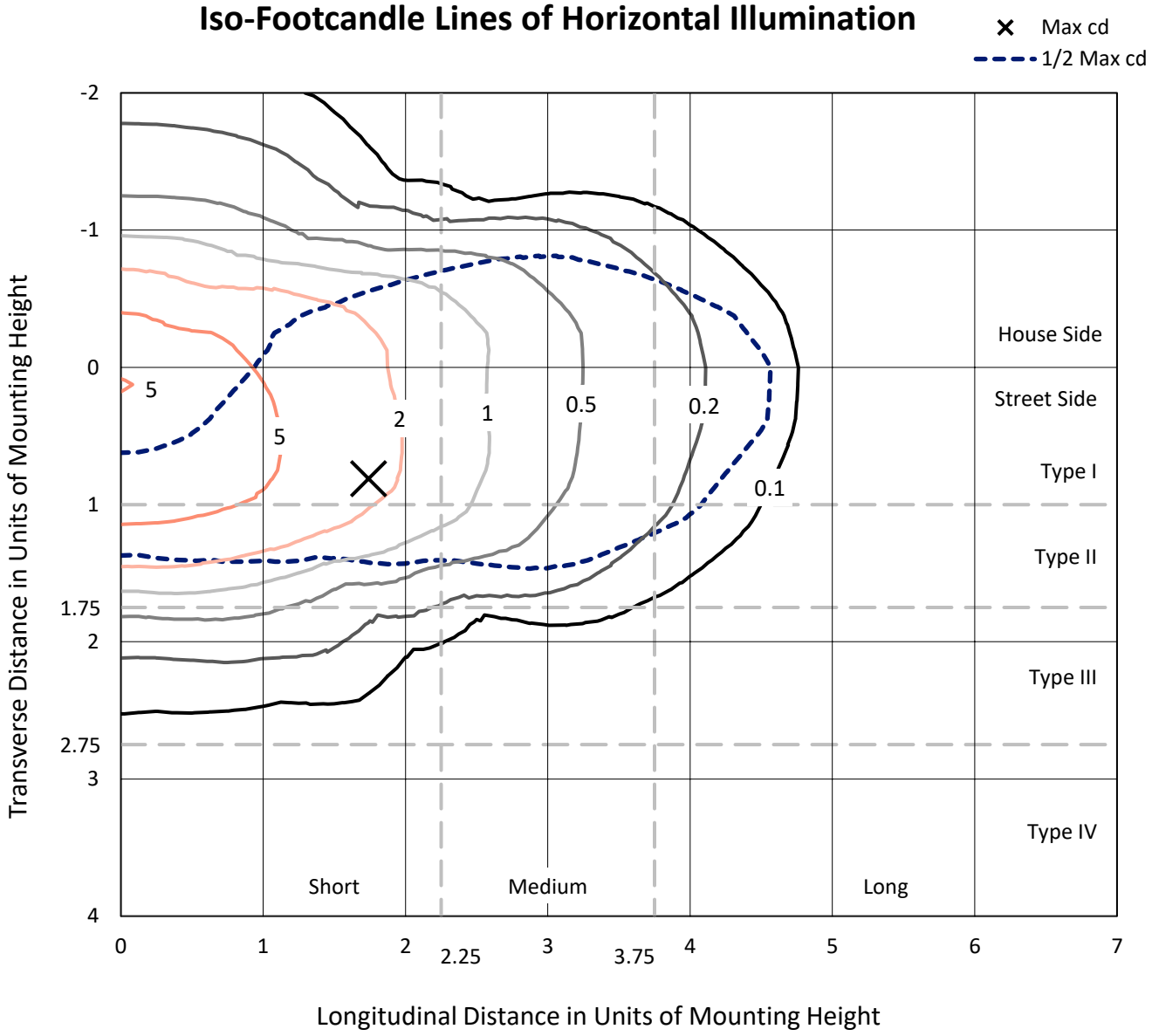
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Short - N/A

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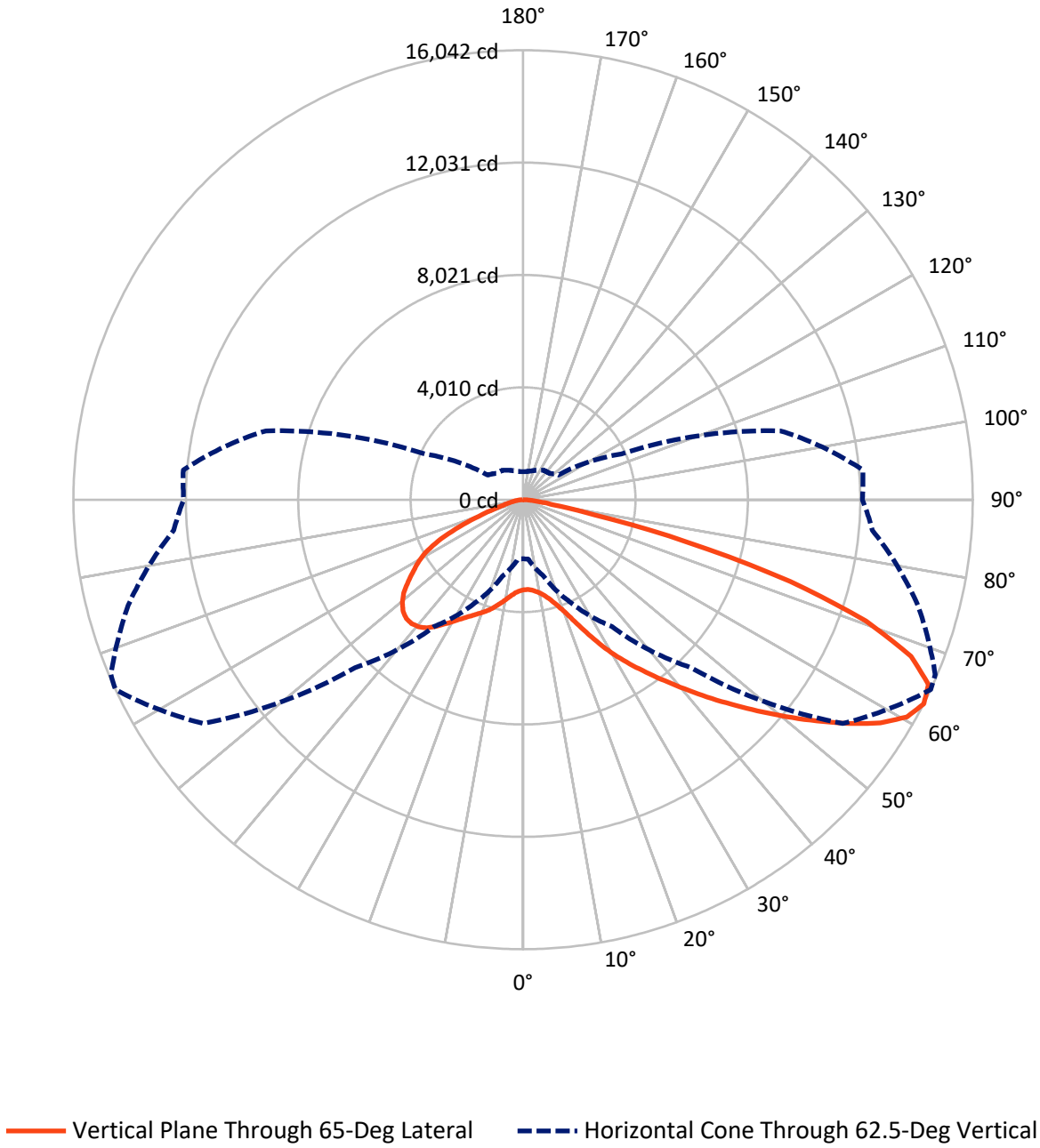
Luminous Intensity Polar Plot



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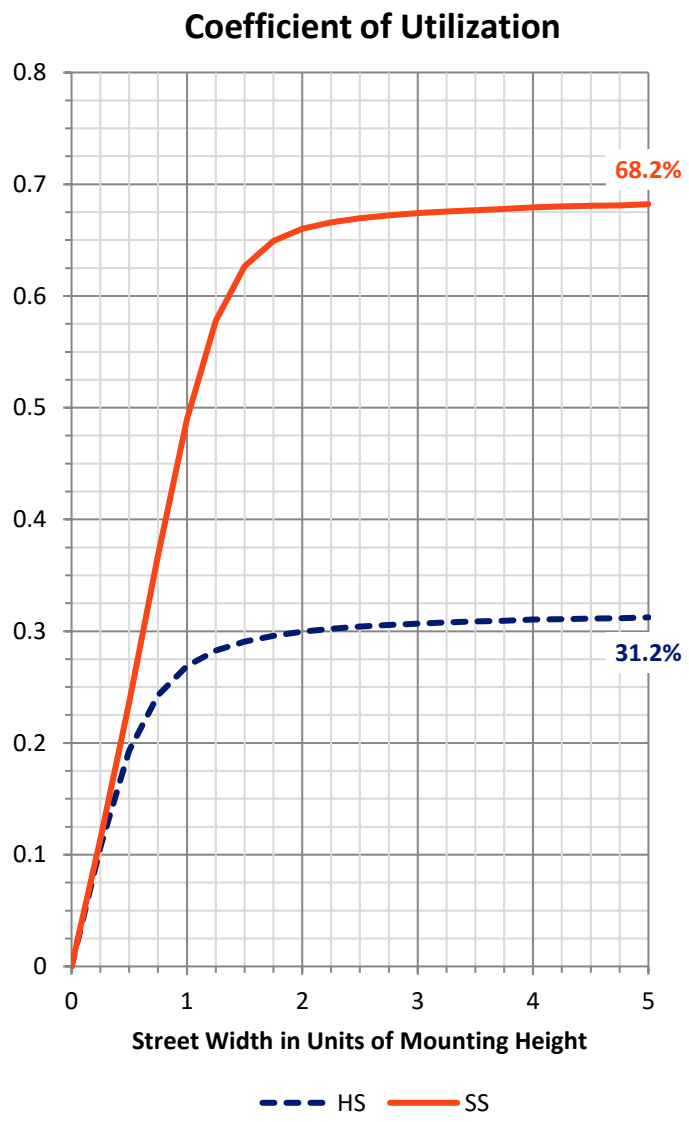
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9202.9	0.0	9202.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	19961.1	0.0	19961.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	29164.0	0.0	29164.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.4	1.1
10°-20°	1086.5	3.7
20°-30°	2203.1	7.6
30°-40°	3812.3	13.1
40°-50°	5769.3	19.8
50°-60°	6764.1	23.2
60°-70°	5670.9	19.4
70°-80°	3130.8	10.7
80°-90°	406.7	1.4
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°	29164.0	100.0
0°-180°	29164.0	100.0



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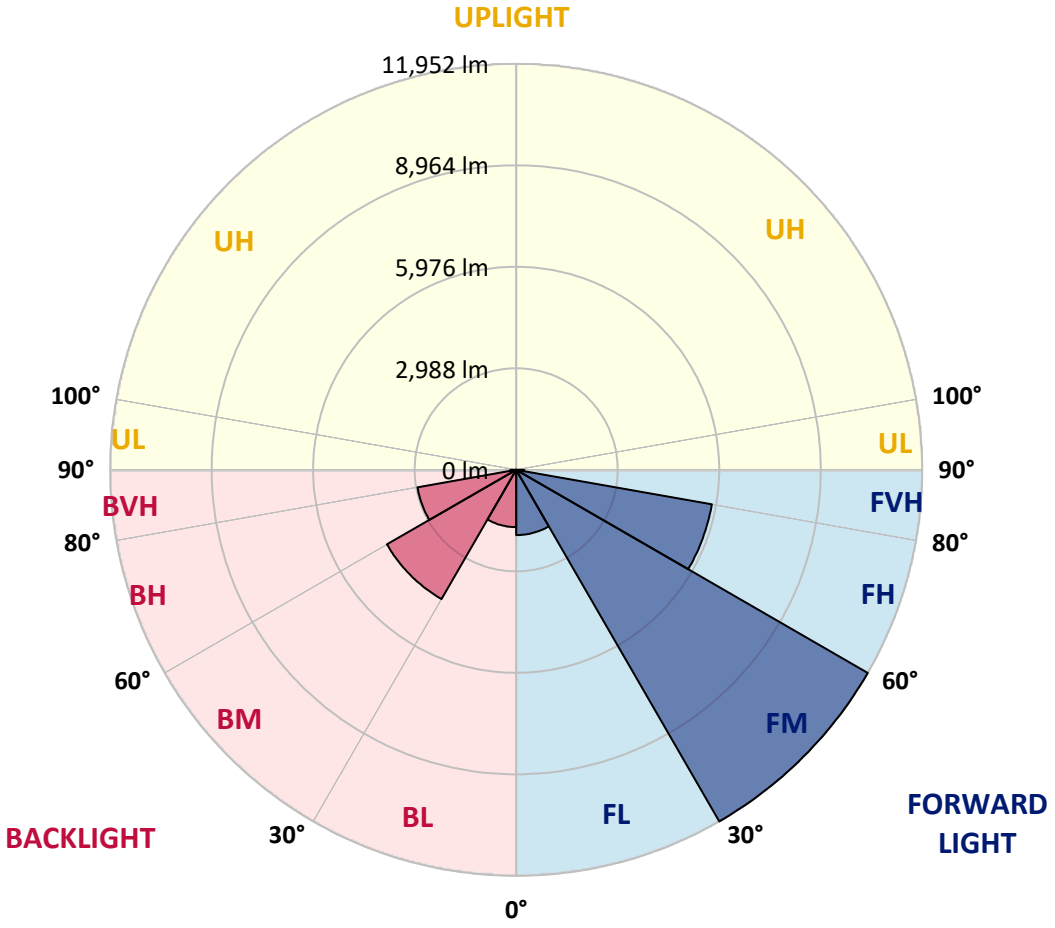
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1922.3	6.6			
FM	(30°-60°)	11952.4	41.0			
FH	(60°-80°)	5849.4	20.1			G3/7500
FVH	(80°-90°)	237.0	0.8			G3/500
BL	(0°-30°)	1687.7	5.8	B3/2500		
BM	(30°-60°)	4393.3	15.1	B3/5000		
BH	(60°-80°)	2952.2	10.1	B4/5000		G4/5000
BVH	(80°-90°)	169.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3213.7	3213.7	3213.7	3213.7	3213.7	3213.7	3213.7	*3213.7*	3213.7	3213.7
2.5°	3192.6	3183.5	3191.1	3191.1	3194.1	3192.6	3203.2	*3206.2*	3210.7	3219.8
5°	3160.8	3159.3	3172.9	3185.0	3197.1	3207.7	3221.3	*3241.0*	3244.0	3254.6
7.5°	3150.2	3141.1	3162.3	3177.4	3206.2	3231.9	3268.2	*3301.5*	3315.1	3319.7
10°	3231.9	3216.8	3236.4	3245.5	3269.7	3295.5	3337.8	*3390.8*	3405.9	3424.1
12.5°	3371.1	3354.5	3383.2	3396.8	3419.5	3442.2	3471.0	*3522.4*	3530.0	3563.3
15°	3561.8	3542.1	3560.2	3576.9	3614.7	3635.9	3664.6	*3714.6*	3714.6	3740.3
17.5°	3820.5	3794.8	3808.4	3814.4	3838.6	3870.4	3918.8	*3962.7*	3985.4	3976.3
20°	4206.3	4174.5	4174.5	4144.3	4135.2	4160.9	4224.5	*4285.0*	4309.2	4262.3
22.5°	4785.8	4740.4	4714.7	4611.8	4571.0	4574.0	4637.5	*4711.7*	4731.3	4648.1
25°	5522.7	5451.6	5416.8	5265.5	5173.2	5093.0	5142.9	*5238.2*	5265.5	5162.6
27.5°	6259.5	6264.1	6230.8	6049.2	5896.4	5749.6	5723.9	*5823.8*	5852.5	5736.0
30°	7293.0	7185.5	7122.0	6904.1	6686.2	6480.4	6374.5	*6415.4*	6423.0	6283.8
32.5°	8184.2	8156.9	8020.7	7830.1	7550.2	7227.9	7050.9	*6985.8*	6973.7	6775.5
35°	9199.4	9184.3	9040.6	8813.6	8511.0	8063.1	7743.9	*7557.8*	7542.6	7264.2
37.5°	10231.3	10231.3	10090.6	9842.5	9529.3	8969.4	8483.7	*8188.7*	8140.3	7777.1
40°	11054.4	11004.5	11030.2	10925.8	10567.2	9972.6	9305.3	*8877.1*	8812.1	8376.3
42.5°	11522.0	11505.3	11659.7	11776.2	11629.4	11154.3	10210.2	*9623.1*	9532.3	9036.0
45°	11626.4	11608.2	11883.6	12310.3	12516.1	12320.9	11193.6	*10408.4*	10297.9	9726.0
47.5°	11385.8	11349.5	11753.5	12426.8	13086.5	13429.9	12258.8	*11260.2*	11099.8	10397.8
50°	10662.6	10627.8	11239.0	12133.3	13278.6	14183.5	13414.8	*12163.5*	11918.4	11118.0
52.5°	9090.5	9107.1	10064.9	11293.5	13026.0	14652.5	14410.4	*13115.2*	12820.2	11854.9
55°	7081.1	7117.4	8294.6	9647.3	12015.2	14581.4	15089.8	*14095.7*	13802.2	12547.8
57.5°	5070.3	5230.7	6333.7	7672.7	10074.0	13454.2	15238.1	*15027.7*	14743.3	13304.4
60°	3286.4	3315.1	4449.9	5799.6	7671.2	11450.9	14937.0	*15734.3*	15511.9	14076.0
62.5°	*2106.2*	*2125.9*	*2817.3*	*4056.5*	*5521.2*	*8471.6*	*13923.2*	*16041.5*	*15973.4*	*14585.9*
65°	1547.9	1532.7	1892.8	2681.1	3719.1	5224.6	11954.7	*15893.2*	16027.9	14905.2
67.5°	1292.2	1271.0	1448.0	1856.5	2740.2	2967.1	8845.4	*14929.4*	15422.7	14868.9
70°	1177.2	1159.0	1266.4	1378.4	2138.0	1986.7	4459.0	*12979.1*	13738.6	14455.8
72.5°	997.1	965.3	1112.1	1224.1	1662.9	1523.7	1842.9	*9969.6*	10895.6	13131.9
75°	773.2	752.0	877.6	1077.3	1249.8	1189.3	1165.1	*6053.8*	7064.5	10155.7
77.5°	612.8	584.0	699.0	839.8	1124.2	897.2	848.8	*2607.0*	3608.7	6483.5
80°	461.5	435.8	531.1	664.2	864.0	676.3	549.2	*1063.7*	1360.2	3284.9
82.5°	328.3	305.6	370.7	487.2	581.0	606.7	337.4	*596.1*	670.3	1266.4
85°	210.3	196.7	248.1	305.6	369.2	390.4	205.8	*311.7*	342.0	522.0
87.5°	115.0	93.8	133.1	142.2	171.0	155.8	98.3	*113.5*	122.6	189.1
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°
3213.7	0°	3213.7	3213.7	3213.7	3213.7	3213.7	3213.7	3213.7	3213.7	3213.7	3213.7
3219.8	2.5°	3225.9	3230.4	3245.5	3250.1	3260.7	3274.3	3283.3	3292.4	3292.4	3301.5
3268.2	5°	3269.7	3280.3	3312.1	3328.7	3356.0	3383.2	3399.9	3419.5	3431.6	3437.7
3345.4	7.5°	3354.5	3371.1	3416.5	3445.2	3492.1	3530.0	3555.7	3582.9	3589.0	3605.6
3452.8	10°	3469.5	3489.1	3540.6	3595.0	3651.0	3697.9	3722.1	3741.8	3749.4	3752.4
3590.5	12.5°	3601.1	3629.8	3696.4	3763.0	3822.0	3862.9	3868.9	3864.4	3843.2	3825.0
3760.0	15°	3763.0	3788.7	3862.9	3935.5	3993.0	4000.5	3962.7	3938.5	3912.8	3908.2
3949.1	17.5°	3956.7	3970.3	4038.4	4109.5	4114.0	4088.3	4032.3	4009.6	3985.4	3968.8
4195.7	20°	4182.1	4177.6	4226.0	4256.2	4224.5	4145.8	4061.1	4023.2	3999.0	3979.4
4498.3	22.5°	4451.4	4416.6	4410.6	4403.0	4318.3	4153.4	4038.4	3989.9	3952.1	3924.9
4920.5	25°	4843.3	4710.2	4617.9	4566.4	4375.8	4112.5	3965.7	3858.3	3787.2	3740.3
5436.4	27.5°	5333.5	5109.6	4876.6	4751.0	4375.8	4029.3	3790.2	3616.2	3499.7	3451.3
5935.7	30°	5801.1	5566.6	5223.1	4973.4	4365.2	3893.1	3507.3	3265.2	3129.0	3080.6
6362.4	32.5°	6200.5	5944.8	5590.8	5217.0	4339.5	3672.2	3156.2	2888.4	2756.8	2699.3
6784.6	35°	6571.2	6298.9	5960.0	5484.9	4271.4	3348.4	2770.4	2566.2	2419.4	2327.1
7214.3	37.5°	6951.0	6627.2	6309.5	5726.9	4148.8	2970.1	2473.9	2299.9	2127.4	2003.3
7671.2	40°	7364.1	6976.7	6683.2	5870.7	3947.6	2610.0	2243.9	2085.0	1901.9	1770.3
8197.8	42.5°	7846.7	7395.9	7099.3	5944.8	3672.2	2354.3	2094.1	1938.2	1765.7	1658.3
8762.1	45°	8350.6	7857.3	7479.1	5943.3	3365.1	2234.8	2045.7	1891.3	1700.7	1588.7
9341.7	47.5°	8878.7	8340.0	7807.4	5846.5	3098.8	2251.4	2018.4	1790.0	1579.6	1470.7
9927.2	50°	9408.2	8868.1	8125.1	5664.9	2985.3	2215.1	1917.1	1647.7	1399.6	1301.2
10476.4	52.5°	9933.3	9429.4	8399.0	5406.2	2870.3	2080.5	1786.9	1463.1	1325.4	1257.4
11043.8	55°	10461.3	9984.7	8697.1	5029.4	2582.8	1923.1	1569.0	1393.5	1266.4	1204.4
11599.1	57.5°	10990.9	10626.2	8980.0	4652.7	2221.2	1729.4	1449.5	1308.8	1207.4	1154.5
12063.7	60°	11541.6	11360.1	9272.1	4306.2	1864.1	1481.3	1361.8	1240.7	1137.8	1078.8
12510.0	62.5°	*12109.0*	*12168.1*	*9500.5*	*3859.8*	*1535.8*	*1330.0*	*1283.1*	*1159.0*	*1059.1*	*1003.2*
12879.2	65°	12681.0	12947.3	9650.3	3241.0	1245.3	1186.2	1198.3	1069.7	968.4	919.9
13150.0	67.5°	13112.2	13508.6	9608.0	2452.7	1021.3	1050.1	1092.4	975.9	880.6	842.8
13106.2	70°	13160.6	13442.1	9190.3	1679.5	854.9	916.9	974.4	883.6	785.3	758.0
12488.8	72.5°	12516.1	12534.2	8026.8	1097.0	723.2	804.9	850.3	789.8	694.5	667.3
10925.8	75°	10826.0	10366.0	5893.4	723.2	605.2	691.5	733.8	691.5	599.2	605.2
8175.1	77.5°	8202.3	7341.4	3578.4	514.4	505.4	581.0	638.5	608.3	529.6	594.6
4111.0	80°	4226.0	3971.8	1596.3	384.3	399.4	464.5	525.0	485.7	419.1	399.4
918.4	82.5°	968.4	1125.7	629.4	275.4	289.0	334.4	401.0	364.6	301.1	254.2
382.8	85°	338.9	370.7	278.4	172.5	169.5	208.8	272.4	243.6	204.3	163.4
161.9	87.5°	107.4	140.7	104.4	69.6	72.6	93.8	125.6	115.0	95.3	62.0
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

180°
3213.7
3301.5
3440.7
3599.6
3744.8
3825.0
3908.2
3970.3
3980.9
3934.0
3758.4
3475.5
3109.3
2728.1
2357.4
2036.6
1796.0
1679.5
1606.9
1485.8
1307.3
1257.4
1198.3
1145.4
1074.3
1001.6
918.4
844.3
759.6
665.7
584.0
523.5
364.6
251.2
172.5
65.1
0.0

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