Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P942607

Luminaire Tested: **GALN-SB6C-940-U-T3**

Issue Date: 1/21/2025

Report Generated By 670246001

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Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P942607
	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:	McGRAW-EDISON
Catalog Number:	GALN-SB6C-940-U-T3
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32931 lumens
Efficiency:	N/A
Efficacy:	109.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4
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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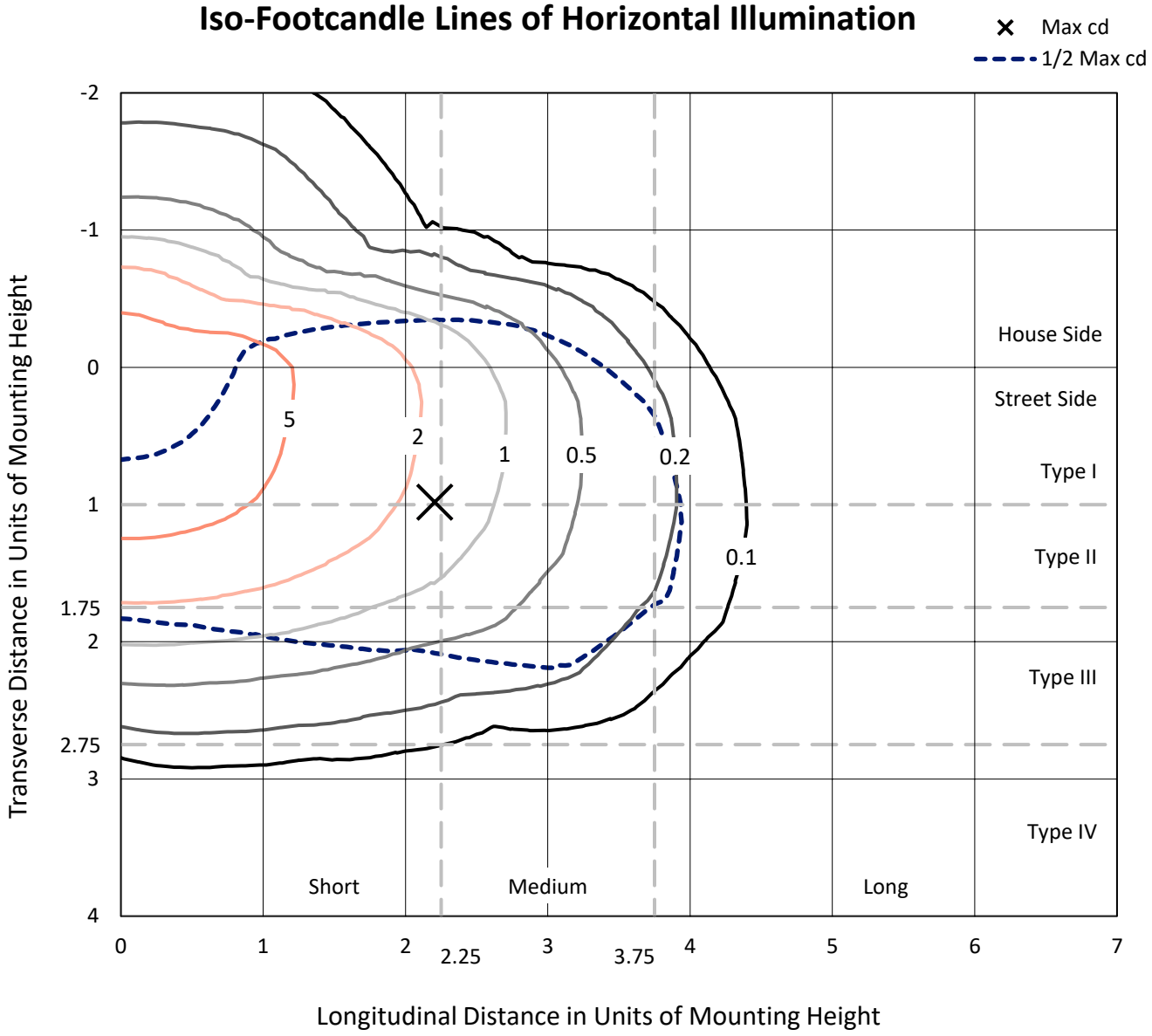
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
Type III - Short - N/A

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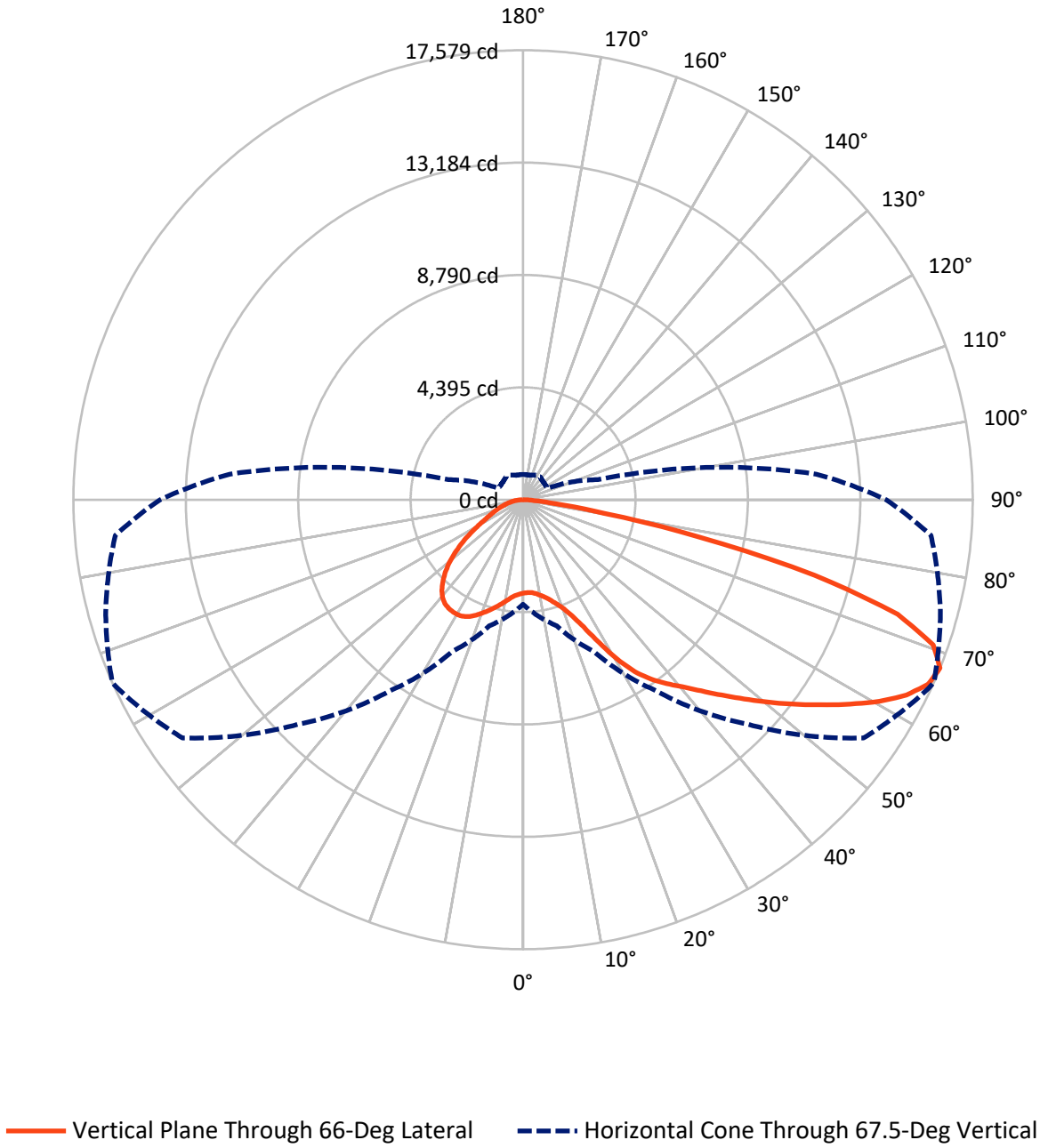
Luminous Intensity Polar Plot



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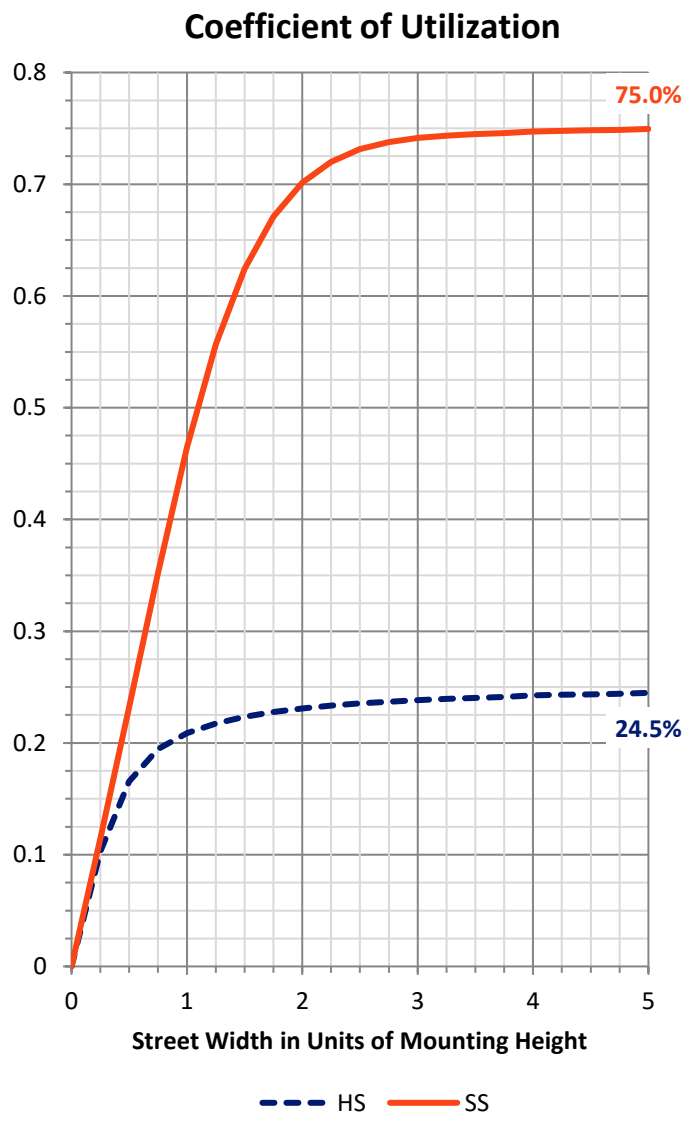
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8188.2	0.0	8188.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24742.8	0.0	24742.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	32931.0	0.0	32931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.1	1.1
10°-20°	1196.4	3.6
20°-30°	2306.0	7.0
30°-40°	4043.4	12.3
40°-50°	6011.1	18.3
50°-60°	7619.7	23.1
60°-70°	7455.7	22.6
70°-80°	3556.4	10.8
80°-90°	380.1	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°	32931.0	100.0
0°-180°	32931.0	100.0



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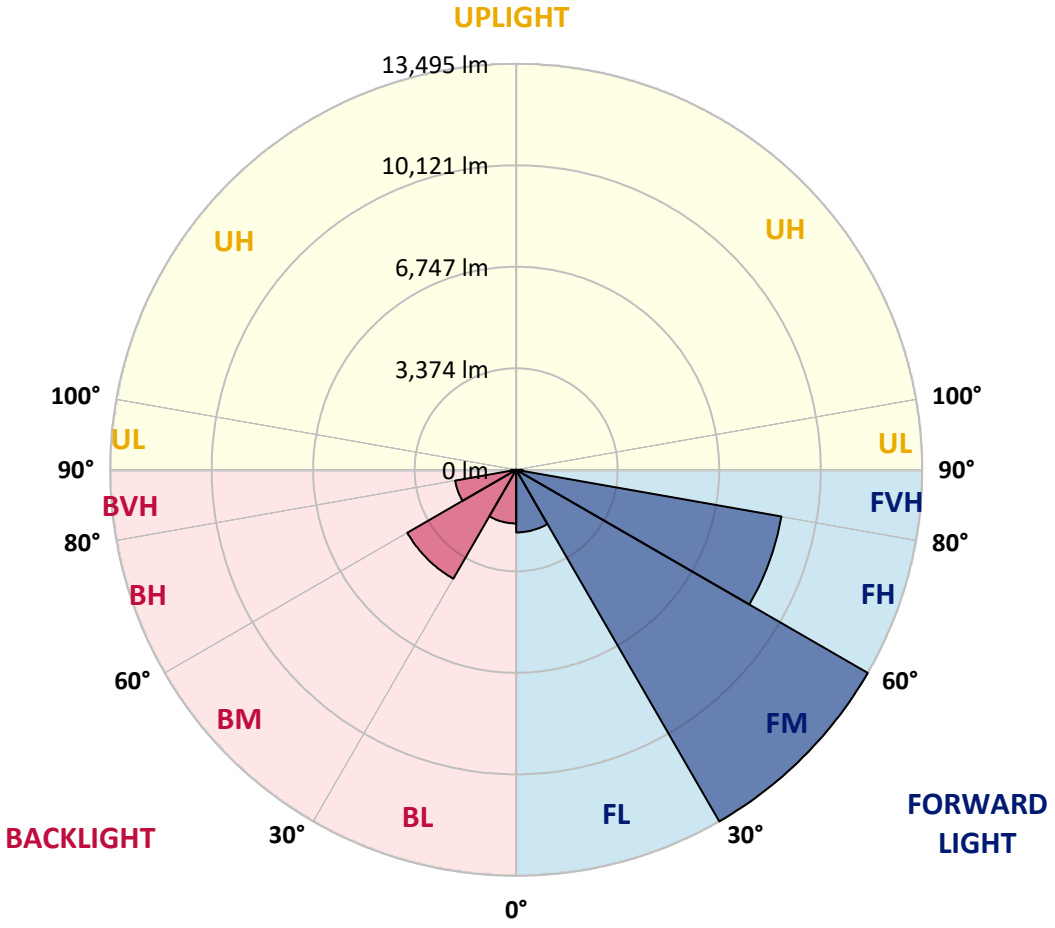
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2080.9	6.3			
FM	(30°-60°)	13494.8	41.0			
FH	(60°-80°)	8951.6	27.2			G4/12000
FVH	(80°-90°)	215.5	0.7			G2/225
BL	(0°-30°)	1783.7	5.4	B3/2500		
BM	(30°-60°)	4179.3	12.7	B3/5000		
BH	(60°-80°)	2060.6	6.3	B3/2500		G3/2500
BVH	(80°-90°)	164.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3652.5	3652.5	3652.5	3652.5	3652.5	3652.5	3652.5	3652.5	*3652.5*	3652.5
2.5°	3614.4	3635.2	3630.0	3621.3	3619.6	3623.1	3628.3	3633.5	*3631.7*	3640.4
5°	3604.0	3624.8	3623.1	3623.1	3630.0	3643.8	3652.5	3661.1	*3652.5*	3662.9
7.5°	3611.0	3626.5	3633.5	3640.4	3657.7	3683.6	3704.4	3723.4	*3713.0*	3725.2
10°	3699.2	3711.3	3718.2	3718.2	3730.3	3759.8	3780.5	3815.1	*3806.5*	3825.5
12.5°	3860.1	3872.2	3872.2	3865.3	3874.0	3893.0	3899.9	3938.0	*3922.4*	3953.5
15°	4057.4	4081.6	4062.5	4050.4	4053.9	4072.9	4071.2	4100.6	*4085.0*	4111.0
17.5°	4275.4	4306.5	4275.4	4273.6	4266.7	4287.5	4289.2	4315.2	*4287.5*	4306.5
20°	4533.2	4576.4	4550.5	4559.1	4543.5	4552.2	4560.8	4598.9	*4555.7*	4569.5
22.5°	4896.5	4948.4	4920.7	4953.6	4943.2	4936.3	4934.6	5002.1	*4934.6*	4939.8
25°	5426.0	5488.2	5439.8	5484.8	5484.8	5507.3	5533.2	5619.7	*5507.3*	5474.4
27.5°	6208.0	6270.3	6175.1	6202.8	6194.2	6249.5	6221.9	6436.4	*6315.3*	6261.6
30°	7149.2	7260.0	7080.0	7073.1	7064.5	7152.7	7192.5	7334.4	*7211.5*	7157.9
32.5°	8166.6	8282.5	8068.0	8005.7	7972.8	8026.5	7993.6	8107.8	*8023.0*	7940.0
35°	9242.8	9357.0	9152.8	9031.7	8900.2	8787.8	8670.1	8699.5	*8619.9*	8493.6
37.5°	10260.2	10469.5	10253.3	10123.5	9881.3	9661.5	9332.8	9196.1	*9121.7*	9005.8
40°	11296.6	11416.0	11251.6	11140.9	10877.9	10533.5	10007.6	9718.6	*9618.3*	9505.8
42.5°	12059.6	12173.8	12085.5	12009.4	11803.5	11403.8	10723.9	10362.3	*10216.9*	10090.6
45°	12665.2	12750.0	12694.6	12722.3	12634.0	12246.5	11466.1	11052.6	*10902.1*	10748.1
47.5°	12909.1	12999.1	13087.3	13251.7	13402.2	13116.8	12263.8	11800.1	*11640.9*	11483.4
50°	12881.4	12973.1	13229.2	13578.7	14045.9	13950.7	13104.6	12596.0	*12448.9*	12269.0
52.5°	12660.0	12763.8	13092.5	13673.9	14417.9	14575.3	13961.1	13417.8	*13279.4*	13064.9
55°	12078.6	12140.9	12634.0	13457.6	14506.1	15011.3	14800.3	14293.3	*14154.9*	13855.6
57.5°	11000.7	11090.7	11808.7	12874.5	14284.7	15307.2	15537.3	15213.8	*15080.6*	14649.7
60°	9594.0	9737.6	10559.5	11895.2	13720.6	15305.5	16206.9	16118.7	*16007.9*	15431.8
62.5°	8002.2	8168.3	8959.1	10511.1	12734.4	14871.2	16625.6	16876.5	*16819.4*	16153.3
65°	6145.7	6259.9	7047.2	8720.3	11199.7	13938.6	16674.1	17393.8	*17404.2*	16701.8
67.5°	*4092.0*	*4420.7*	*5104.1*	*6543.7*	*9144.2*	*12414.3*	*16248.4*	*17478.6*	*17579.0*	*16890.4*
70°	1996.7	2429.2	3098.8	4252.9	6543.7	10076.8	15135.9	16783.1	*17006.3*	16340.1
72.5°	828.8	968.9	1334.0	2098.8	3756.3	6799.7	12900.5	14897.1	*15310.7*	14478.4
75°	558.9	605.6	763.0	1076.2	1711.2	3353.2	9303.4	11108.0	*11774.1*	10935.0
77.5°	430.8	460.2	555.4	752.6	1017.4	1268.2	4979.6	6694.2	*7038.5*	6516.0
80°	339.1	361.6	415.3	548.5	721.5	678.2	1697.3	3033.1	*3232.0*	2711.2
82.5°	294.1	302.8	297.6	372.0	479.3	396.2	557.1	1119.4	*1235.4*	896.3
85°	212.8	237.0	247.4	230.1	254.3	200.7	228.4	396.2	*436.0*	389.3
87.5°	86.5	128.0	157.4	148.8	93.4	57.1	70.9	115.9	*133.2*	145.3
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°
3652.5	0°	3652.5	3652.5	3652.5	3652.5	3652.5	3652.5	3652.5	3652.5	3652.5	3652.5
3654.2	2.5°	3655.9	3668.1	3676.7	3687.1	3694.0	3704.4	3725.2	3737.3	3739.0	3747.6
3681.9	5°	3688.8	3706.1	3725.2	3752.8	3784.0	3809.9	3849.7	3877.4	3887.8	3896.4
3749.4	7.5°	3759.8	3784.0	3818.6	3867.0	3912.0	3946.6	3995.1	4027.9	4060.8	4072.9
3856.6	10°	3865.3	3899.9	3950.1	4015.8	4064.3	4109.3	4159.4	4187.1	4220.0	4233.8
3984.7	12.5°	3996.8	4033.1	4098.9	4190.6	4235.6	4266.7	4284.0	4277.1	4284.0	4296.1
4138.7	15°	4147.3	4187.1	4261.5	4360.1	4391.3	4363.6	4325.5	4290.9	4285.7	4289.2
4325.5	17.5°	4325.5	4355.0	4441.5	4524.5	4502.0	4387.8	4304.8	4249.4	4221.7	4213.1
4564.3	20°	4574.7	4574.7	4645.6	4697.5	4547.0	4353.2	4223.5	4133.5	4076.4	4052.2
4889.6	22.5°	4877.5	4849.8	4894.8	4858.4	4538.4	4256.3	4076.4	3920.7	3834.2	3799.6
5344.6	25°	5261.6	5228.7	5216.6	4991.7	4476.1	4102.3	3809.9	3621.3	3545.2	3526.2
6000.4	27.5°	5841.2	5758.2	5600.7	5064.3	4361.9	3860.1	3498.5	3323.7	3280.5	3282.2
6843.0	30°	6612.9	6446.8	6060.9	5076.4	4175.0	3517.5	3180.1	3055.6	3034.8	3043.4
7550.7	32.5°	7327.5	7170.0	6531.6	5021.1	3887.8	3181.9	2894.6	2811.6	2780.5	2790.8
8090.5	35°	7888.0	7844.8	6967.6	4943.2	3534.8	2867.0	2638.6	2567.6	2507.1	2493.2
8599.2	37.5°	8417.5	8400.2	7294.6	4834.2	3185.3	2643.8	2432.7	2339.3	2251.0	2202.6
9161.5	40°	8998.8	8981.5	7509.1	4666.4	2875.6	2450.0	2247.5	2124.7	2015.7	1927.5
9798.2	42.5°	9652.9	9550.8	7611.2	4425.9	2612.6	2285.6	2097.0	1930.9	1787.3	1706.0
10518.0	45°	10367.4	10137.3	7609.5	4119.6	2391.2	2135.1	1936.1	1700.8	1567.6	1491.4
11256.8	47.5°	11125.3	10697.9	7516.1	3780.5	2176.6	1969.0	1687.0	1507.0	1418.8	1372.1
12059.6	50°	11907.3	11222.2	7356.9	3391.2	1956.9	1780.4	1531.2	1408.4	1340.9	1297.7
12855.5	52.5°	12642.7	11698.0	7164.8	2950.0	1733.7	1597.0	1462.0	1366.9	1295.9	1247.5
13627.2	55°	13326.1	12108.0	6893.2	2498.4	1552.0	1474.1	1429.2	1349.6	1268.2	1211.2
14411.0	57.5°	13933.4	12374.5	6424.3	2074.5	1422.2	1389.4	1394.6	1320.2	1226.7	1178.3
15182.6	60°	14438.6	12570.0	5730.5	1681.8	1316.7	1306.3	1340.9	1264.8	1155.8	1100.4
15834.9	62.5°	14741.4	12566.5	4879.2	1377.3	1226.7	1230.2	1270.0	1195.6	1084.8	1032.9
16175.8	65°	14715.5	12258.6	3944.9	1178.3	1140.2	1143.7	1195.6	1119.4	1026.0	994.9
16004.5	67.5°	*14194.7*	*11507.7*	*3026.1*	*1048.5*	*1045.0*	*1060.6*	*1121.2*	*1067.5*	*989.7*	*986.2*
14983.7	70°	12784.6	9948.7	2180.1	944.7	946.4	968.9	1048.5	1034.7	970.7	977.6
12597.7	72.5°	10251.5	7585.3	1463.8	835.7	837.4	873.8	979.3	1008.7	951.6	1043.3
8938.3	75°	6827.4	4730.4	941.2	719.8	721.5	768.2	918.7	958.5	899.7	1039.9
4650.8	77.5°	3280.5	2126.4	681.7	605.6	605.6	648.8	794.2	858.2	766.5	808.0
1494.9	80°	1133.3	799.4	536.4	487.9	477.5	507.0	669.6	744.0	660.9	609.0
487.9	82.5°	446.4	415.3	430.8	378.9	344.3	363.3	520.8	614.2	486.2	439.5
275.1	85°	256.1	269.9	304.5	250.9	199.0	223.2	382.4	441.2	366.8	323.6
90.0	87.5°	69.2	95.2	140.1	129.8	90.0	95.2	181.7	244.0	211.1	162.6
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°
3652.5
3745.9
3894.7
4074.7
4240.8
4299.6
4301.3
4225.2
4047.0
3794.4
3529.6
3287.4
3072.9
2804.7
2503.6
2204.3
1936.1
1711.2
1488.0
1361.7
1282.1
1226.7
1188.7
1147.1
1076.2
1017.4
993.1
991.4
975.8
1057.2
1048.5
740.5
571.0
437.7
330.5
167.8
0.0

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