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: P953896

Luminaire Tested: **GALN-SB7B-760-U-T2U-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P953896
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB7B-760-U-T2U-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32379 lumens
Efficiency:	N/A
Efficacy:	126.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	256.7
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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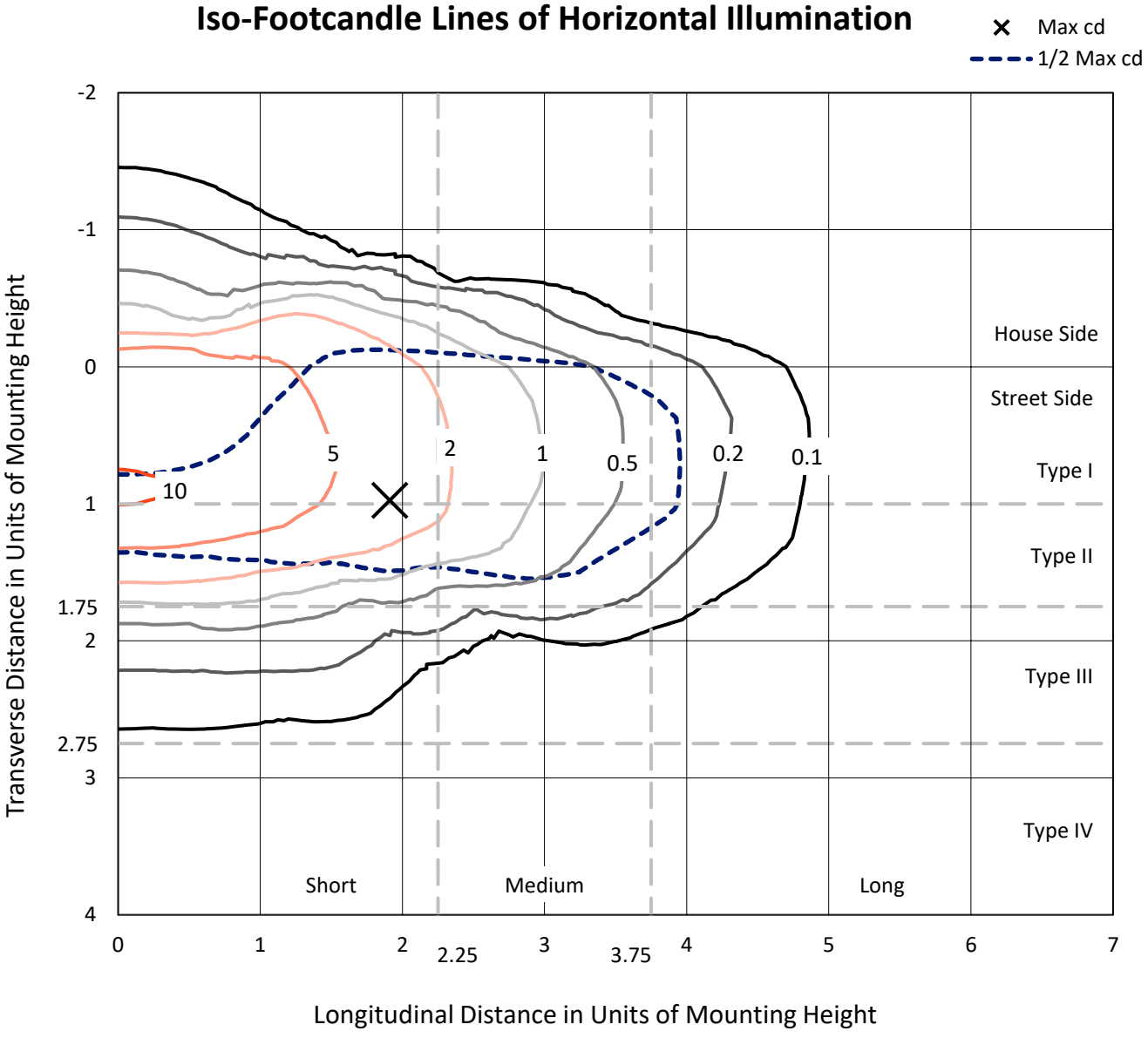
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type II - Short - N/A

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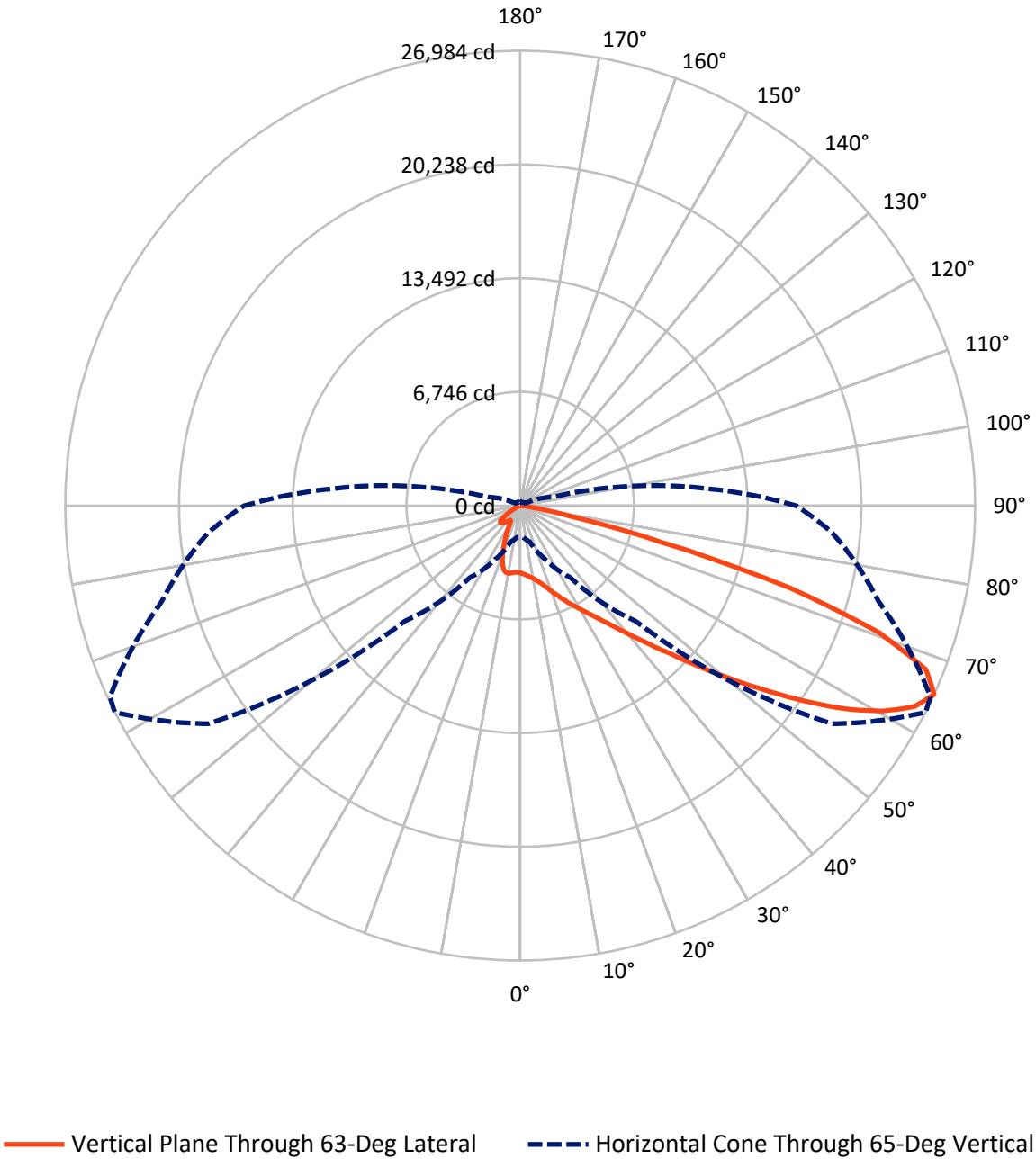
Luminous Intensity Polar Plot



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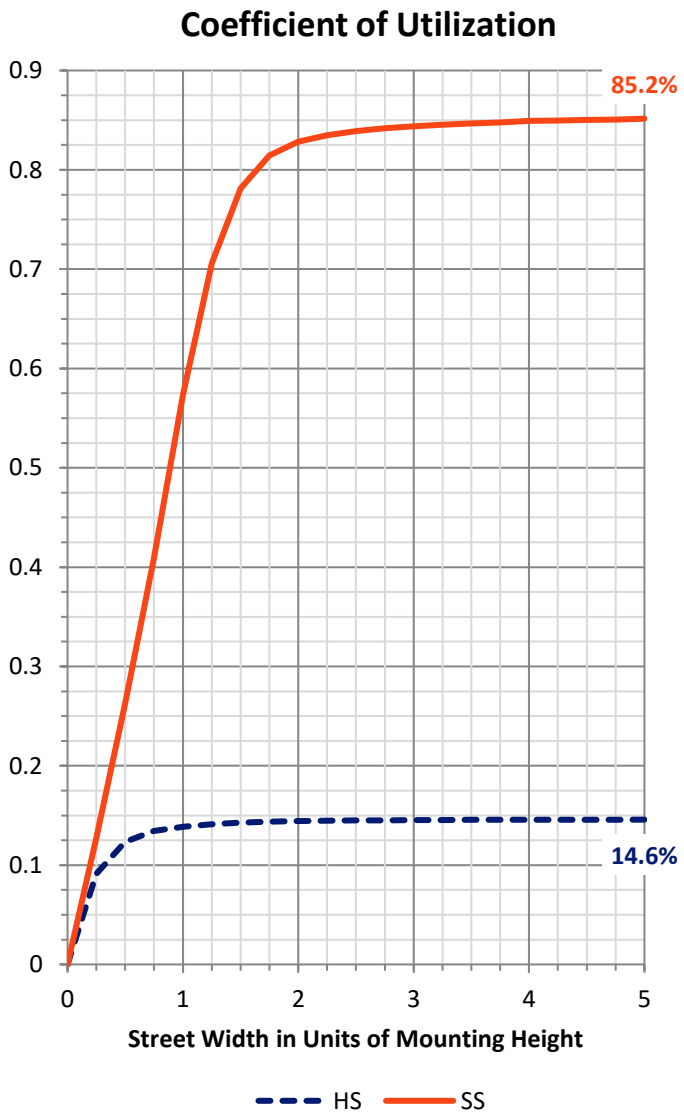
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4759.5	0.0	4759.5
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	27619.5	0.0	27619.5
	% Fixture	85.3	0.0	85.3
Total	Lumens	32379.0	0.0	32379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.5	1.2
10°-20°	1044.7	3.2
20°-30°	1819.1	5.6
30°-40°	3278.7	10.1
40°-50°	6502.7	20.1
50°-60°	8857.7	27.4
60°-70°	7070.2	21.8
70°-80°	3199.4	9.9
80°-90°	230.0	0.7
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°	32379.0	100.0
0°-180°	32379.0	100.0



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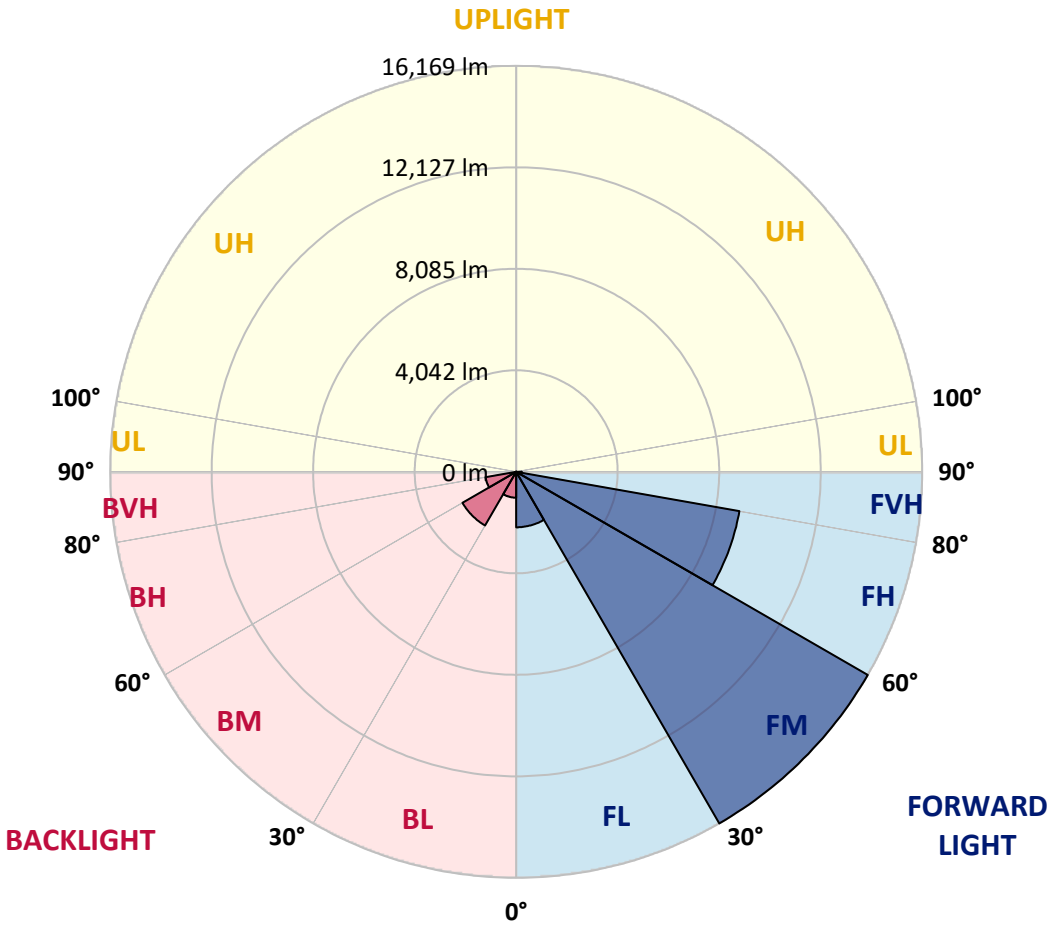
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2210.3	6.8			
FM	(30°-60°)	16169.3	49.9			
FH	(60°-80°)	9027.1	27.9			G4/12000
FVH	(80°-90°)	212.9	0.7			G2/225
BL	(0°-30°)	1030.0	3.2	B3/2500		
BM	(30°-60°)	2469.9	7.6	B2/2500		
BH	(60°-80°)	1242.5	3.8	B3/2500		G3/2500
BVH	(80°-90°)	17.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3996.2	3996.2	3996.2	3996.2	3996.2	3996.2	3996.2	*3996.2*	3996.2	3996.2
2.5°	4089.7	4078.6	4094.2	4087.5	4083.1	4074.1	4069.7	*4065.2*	4056.3	4049.6
5°	4100.9	4094.2	4109.8	4123.1	4136.5	4149.9	4156.6	*4165.5*	4156.6	4138.7
7.5°	4007.3	4002.9	4036.3	4076.4	4136.5	4187.7	4243.4	*4274.6*	4276.8	4270.2
10°	4000.6	3989.5	4022.9	4071.9	4149.9	4241.2	4339.2	*4406.0*	4415.0	4443.9
12.5°	4105.3	4094.2	4141.0	4194.4	4274.6	4370.4	4490.7	*4584.2*	4597.6	4637.7
15°	4281.3	4265.7	4319.2	4388.2	4490.7	4599.8	4726.8	*4811.5*	4822.6	4871.6
17.5°	4486.2	4470.6	4533.0	4606.5	4717.9	4867.1	5014.2	*5107.7*	5121.1	5152.3
20°	4749.1	4729.0	4778.0	4844.9	4962.9	5141.1	5317.1	*5450.8*	5448.5	5448.5
22.5°	5054.3	5023.1	5065.4	5118.9	5230.2	5446.3	5680.2	*5838.3*	5838.3	5776.0
25°	5381.7	5350.5	5397.3	5446.3	5544.3	5789.3	6063.3	*6259.3*	6268.3	6161.3
27.5°	5791.6	5751.5	5787.1	5845.0	5902.9	6152.4	6477.6	*6704.9*	6709.3	6544.5
30°	6580.1	6466.5	6355.1	6292.8	6319.5	6566.7	6914.2	*7165.9*	7188.2	6961.0
32.5°	8023.5	8001.3	7609.2	7096.9	6829.6	7012.2	7402.1	*7705.0*	7718.4	7426.6
35°	10266.7	10239.9	9609.5	8633.9	7762.9	7609.2	7994.6	*8353.2*	8344.3	8014.6
37.5°	12944.1	12919.6	12088.8	10783.4	9373.4	8511.4	8758.6	*9135.1*	9190.8	8758.6
40°	15231.8	15140.5	14614.8	13356.2	11511.9	10008.3	9845.7	*10095.1*	10153.1	9640.7
42.5°	16964.8	16886.9	16619.6	15833.2	14100.2	12222.4	11126.5	*11222.3*	11286.9	10672.1
45°	17862.5	17844.7	17951.6	17878.1	16737.6	14940.0	12957.5	*12558.8*	12583.3	11814.8
47.5°	17989.5	17980.6	18468.4	19158.9	19005.2	18005.1	15307.6	*14225.0*	14138.1	13104.5
50°	17241.0	17223.2	18158.8	19453.0	20520.0	20580.1	17976.1	*16102.8*	15911.2	14438.8
52.5°	14850.9	14846.5	16383.4	18537.5	21052.3	22834.4	20613.5	*18165.5*	17844.7	15851.1
55°	11427.2	11509.6	13271.6	15817.7	20081.1	23919.2	22981.4	*20455.4*	19963.1	17272.2
57.5°	8094.8	8215.1	9957.0	12224.7	17069.5	23277.6	24583.0	*22749.7*	22219.6	18688.9
60°	4348.1	4455.1	6199.2	8905.6	12699.1	20885.3	25427.2	*24741.1*	24239.9	20034.4
62.5°	2590.6	2626.3	3348.0	5749.2	8589.3	15955.8	25068.6	*26258.1*	25846.0	21163.7
65°	*1860.0*	*1866.7*	*2229.8*	*3510.6*	*5214.6*	*9694.2*	*22553.7*	*26984.2*	*26857.3*	*22014.6*
67.5°	1566.0	1561.5	1713.0	2332.2	3552.9	4856.0	17285.6	*25957.4*	26496.4	22553.7
70°	1343.2	1349.9	1528.1	1708.5	2670.8	2748.8	8593.8	*22600.5*	23749.9	22696.3
72.5°	1000.2	1022.4	1187.3	1557.0	2015.9	1891.2	2967.1	*16757.7*	18836.0	21384.2
75°	706.1	717.3	835.3	1309.8	1503.6	1376.6	1514.7	*8662.8*	11327.0	16394.6
77.5°	543.5	563.6	632.6	915.5	1481.3	966.7	926.7	*2998.2*	4606.5	9903.6
80°	294.0	329.7	456.6	661.6	1040.3	683.9	458.9	*1194.0*	1561.5	4631.0
82.5°	151.5	169.3	318.5	476.7	592.5	597.0	227.2	*496.7*	643.8	1430.1
85°	60.1	73.5	213.8	262.8	305.2	294.0	102.5	*200.5*	231.7	396.5
87.5°	13.4	22.3	78.0	60.1	57.9	62.4	24.5	*46.8*	44.6	46.8
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°
3996.2	0°	3996.2	3996.2	3996.2	3996.2	3996.2	3996.2	3996.2	3996.2	3996.2	3996.2
4022.9	2.5°	4020.7	4011.8	3987.3	3960.5	3929.4	3911.5	3900.4	3898.2	3882.6	3871.4
4112.0	5°	4087.5	4078.6	4031.8	3976.1	3916.0	3869.2	3824.7	3784.6	3726.6	3715.5
4241.2	7.5°	4221.2	4196.7	4120.9	4045.2	3931.6	3795.7	3630.9	3441.5	3272.2	3221.0
4412.7	10°	4386.0	4352.6	4256.8	4123.1	3871.4	3501.7	3102.9	2733.2	2439.1	2356.7
4615.4	12.5°	4573.1	4544.2	4417.2	4169.9	3619.7	2949.2	2338.9	1880.0	1594.9	1523.6
4831.5	15°	4795.9	4753.5	4577.6	4098.6	3169.8	2240.9	1606.0	1334.3	1231.8	1218.5
5078.8	17.5°	5032.0	4962.9	4720.1	3842.5	2563.9	1592.7	1240.7	1162.8	1118.2	1104.9
5328.2	20°	5248.0	5158.9	4804.8	3454.9	1915.7	1240.7	1111.5	1060.3	1020.2	1004.6
5577.7	22.5°	5464.1	5337.2	4804.8	2927.0	1436.8	1100.4	1020.2	973.4	926.7	906.6
5845.0	25°	5689.1	5519.8	4720.1	2338.9	1156.1	1009.1	933.3	882.1	842.0	817.5
6099.0	27.5°	5907.4	5673.5	4526.3	1782.0	1029.1	928.9	853.1	804.1	766.3	748.4
6375.2	30°	6114.6	5825.0	4254.6	1352.1	946.7	850.9	779.6	737.3	699.4	681.6
6733.8	32.5°	6395.2	6016.5	3965.0	1109.3	875.4	777.4	712.8	672.7	639.3	625.9
7199.4	35°	6785.0	6299.4	3715.5	1089.3	815.3	717.3	652.7	614.8	581.4	570.2
7800.8	37.5°	7337.5	6756.1	3584.1	1222.9	766.3	663.8	603.7	563.6	532.4	523.5
8564.8	40°	8019.1	7375.3	3655.4	1356.6	732.9	617.0	559.1	519.0	492.3	481.1
9442.5	42.5°	8827.7	8139.4	4049.6	1459.0	710.6	576.9	516.8	472.2	454.4	450.0
10438.2	45°	9756.6	8979.2	4653.3	1568.2	674.9	539.1	474.5	441.1	427.7	425.5
11520.8	47.5°	10812.4	9901.3	5352.7	1704.1	639.3	503.4	441.1	418.8	407.6	403.2
12650.1	50°	11859.3	10830.2	6072.2	1779.8	610.3	470.0	414.3	396.5	387.6	385.4
13844.1	52.5°	12955.3	11785.8	6653.6	1708.5	585.8	443.3	392.0	378.7	369.8	367.5
14944.5	55°	14000.0	12558.8	6753.9	1450.1	536.8	416.5	367.5	360.9	349.7	349.7
16060.5	57.5°	14899.9	12946.4	6045.5	1064.8	487.8	376.5	343.0	336.4	327.4	325.2
17067.3	60°	15726.3	12835.0	4666.7	717.3	434.4	336.4	311.9	307.4	298.5	287.4
17942.7	62.5°	16191.9	12344.9	3192.0	467.8	380.9	294.0	276.2	274.0	253.9	231.7
18590.9	65°	*16367.9*	*11338.1*	*1991.4*	*340.8*	*318.5*	*251.7*	*238.3*	*233.9*	*204.9*	*180.4*
18958.5	67.5°	16214.2	9680.8	1004.6	269.5	251.7	209.4	196.0	196.0	176.0	153.7
18936.2	70°	15599.4	7257.3	423.2	216.1	193.8	160.4	160.4	169.3	149.2	124.7
17953.9	72.5°	14265.1	4882.7	225.0	164.8	144.8	113.6	131.4	138.1	118.1	93.6
14695.0	75°	11340.3	2978.2	155.9	122.5	91.3	80.2	100.2	104.7	80.2	62.4
10075.1	77.5°	7756.2	1710.7	104.7	78.0	57.9	46.8	69.1	64.6	42.3	29.0
3884.8	80°	3405.9	712.8	60.1	35.6	22.3	17.8	24.5	17.8	13.4	8.9
532.4	82.5°	398.7	167.1	22.3	13.4	8.9	4.5	2.2	0.0	0.0	0.0
162.6	85°	82.4	20.0	11.1	4.5	2.2	0.0	0.0	0.0	0.0	0.0
29.0	87.5°	15.6	4.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3996.2
3882.6
3711.1
3196.5
2325.5
1503.6
1205.1
1098.2
995.7
895.5
808.6
748.4
683.9
625.9
570.2
521.2
478.9
450.0
423.2
403.2
385.4
367.5
347.5
323.0
285.1
227.2
178.2
151.5
122.5
93.6
60.1
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