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-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1203746

Luminaire Tested: GWC-SB2D-735-U-SL2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203746
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-735-U-SL2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16491 lumens
Efficiency:	N/A
Efficacy:	111.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G3

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

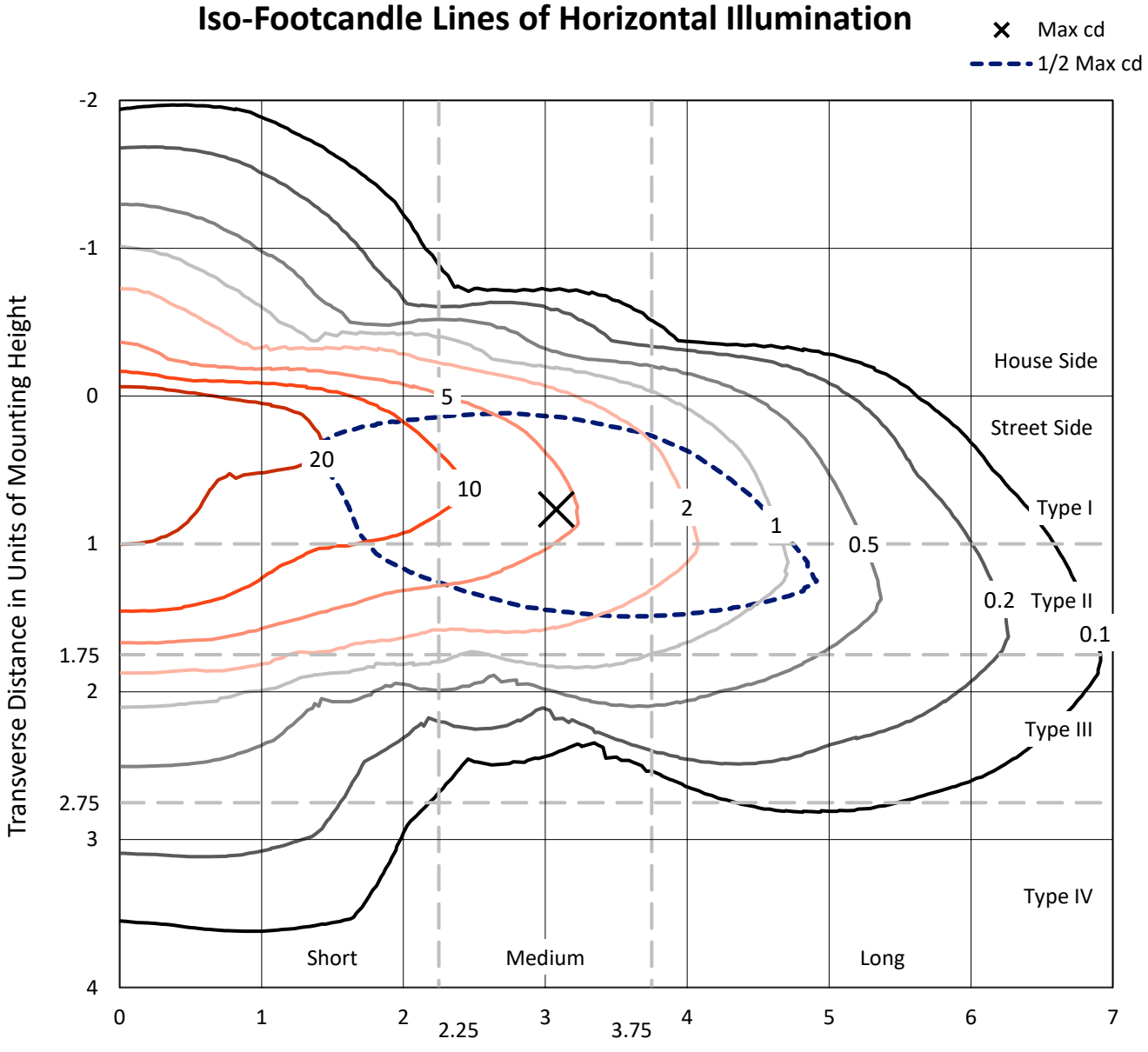


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Iso-Footcandle Lines of Horizontal Illumination



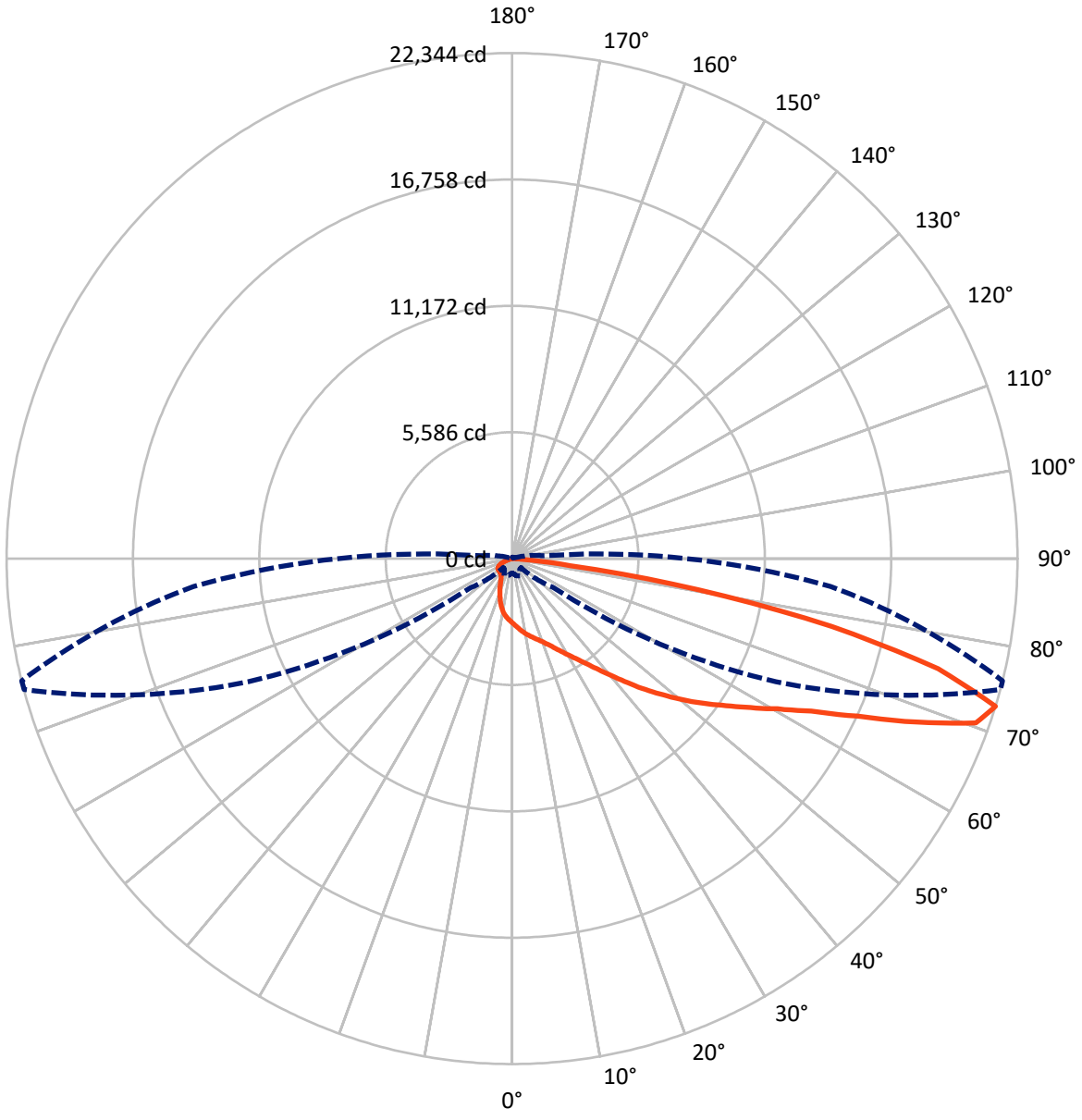
Based on 10 foot mounting height. Maximum calculated value = 37.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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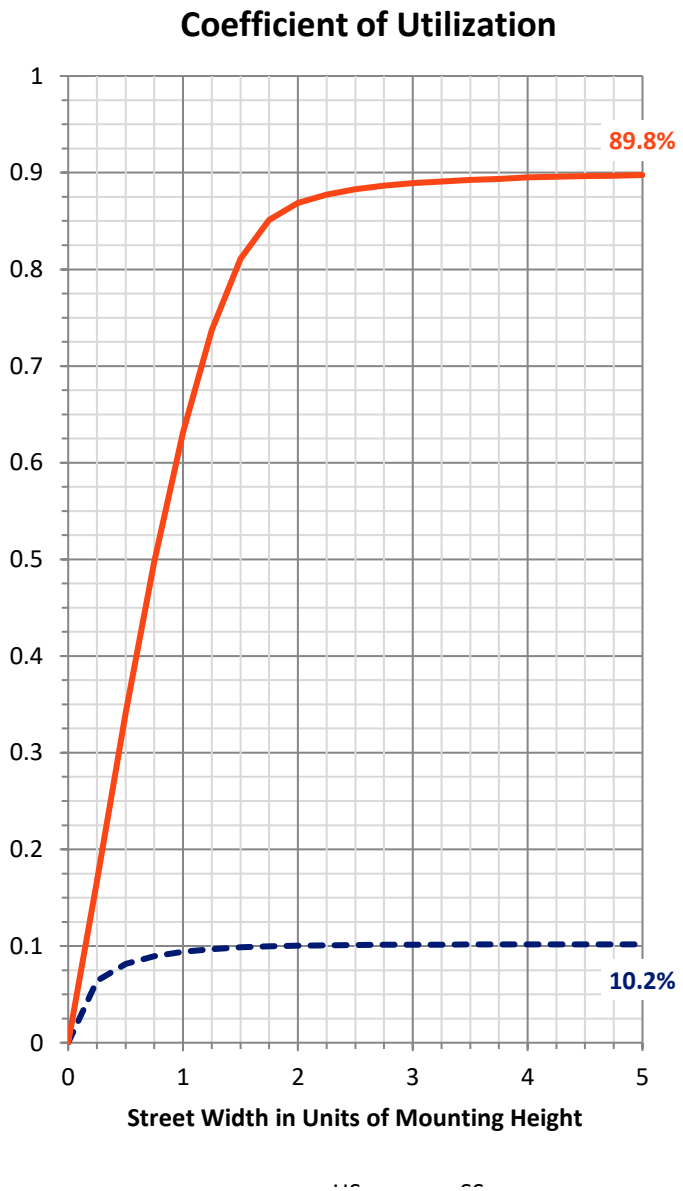
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1687.8	0.0	1687.8
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	14803.1	0.0	14803.1
	% Fixture	89.8	0.0	89.8
Total	Lumens	16491.0	0.0	16491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.2	1.6
10°-20°	695.0	4.2
20°-30°	1099.9	6.7
30°-40°	1701.8	10.3
40°-50°	2584.7	15.7
50°-60°	3563.3	21.6
60°-70°	3764.4	22.8
70°-80°	2582.4	15.7
80°-90°	240.4	1.5
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°	16491.0	100.0
0°-180°	16491.0	100.0



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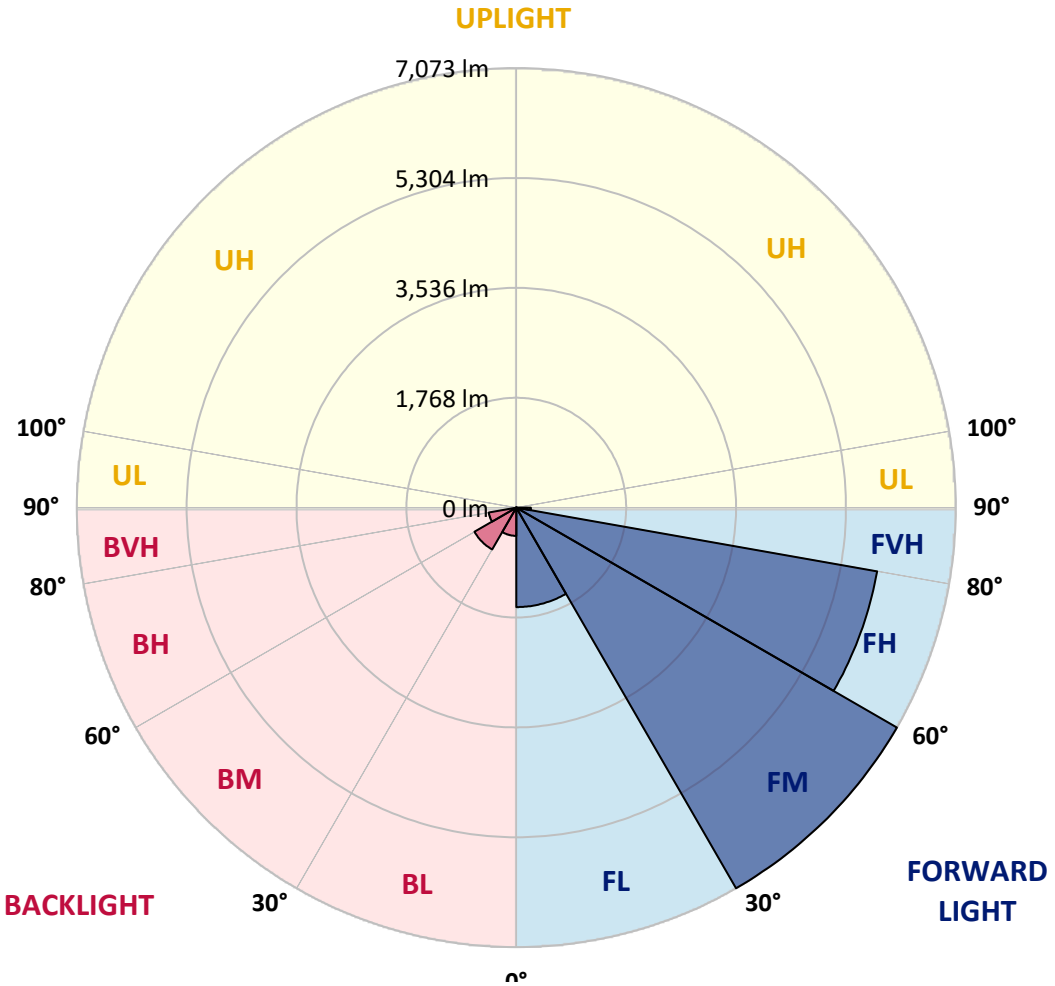
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1600.4	9.7			
FM	(30°-60°)	7072.6	42.9			
FH	(60°-80°)	5896.2	35.8			G3/7500
FVH	(80°-90°)	233.9	1.4			G3/500
BL	(0°-30°)	453.7	2.8	B1/500		
BM	(30°-60°)	777.1	4.7	B1/1000		
BH	(60°-80°)	450.6	2.7	B1/500		G1/500
BVH	(80°-90°)	6.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	*2849.8*	2849.8
2.5°	3313.0	3269.1	3277.7	3233.8	3213.5	3164.3	3112.9	3045.6	2970.7	*2970.7*	2897.9
5°	3661.7	3633.9	3633.9	3582.6	3543.0	3466.0	3374.0	3255.2	3114.0	*3100.1*	2962.1
7.5°	3875.7	3858.6	3869.3	3839.3	3807.2	3727.0	3617.9	3462.7	3262.7	*3245.6*	3038.1
10°	3917.4	3916.3	3946.3	3954.8	3976.2	3935.6	3838.2	3659.6	3409.3	*3384.7*	3103.3
12.5°	3755.9	3735.5	3809.3	3896.0	4017.9	4072.5	4022.2	3839.3	3543.0	*3508.7*	3164.3
15°	3490.6	3494.8	3565.4	3699.2	3902.4	4097.1	4162.4	4014.7	3678.8	*3638.2*	3222.1
17.5°	3338.7	3322.6	3383.6	3503.4	3728.0	4003.0	4227.6	4178.4	3823.3	*3777.3*	3280.9
20°	3320.5	3319.4	3333.3	3387.9	3559.0	3868.2	4220.1	4337.8	3993.3	*3939.9*	3365.4
22.5°	3446.7	3444.6	3432.8	3422.1	3469.2	3736.6	4188.0	4489.7	4196.6	*4138.8*	3485.2
25°	3640.3	3637.1	3618.9	3553.7	3507.7	3666.0	4158.1	4630.9	4437.3	*4373.1*	3630.7
27.5°	3876.7	3874.6	3841.4	3743.0	3624.3	3672.4	4143.1	4776.4	4715.4	*4652.3*	3798.6
30°	4166.6	4162.4	4093.9	3954.8	3799.7	3774.0	4163.4	4940.1	5005.3	*4957.2*	3992.3
32.5°	4530.4	4518.6	4428.7	4219.1	4001.9	3909.9	4201.9	5108.0	5348.7	*5303.8*	4251.1
35°	4811.7	4793.5	4741.1	4556.0	4236.2	4076.8	4291.8	5307.0	5761.6	*5722.0*	4581.7
37.5°	5053.5	5035.3	4992.5	4840.6	4572.1	4289.7	4436.2	5572.3	6249.4	*6230.2*	4985.0
40°	5314.5	5284.5	5264.2	5101.6	4858.8	4596.7	4642.7	5882.5	6811.0	*6813.2*	5469.6
42.5°	5515.6	5503.8	5506.0	5380.8	5135.8	4960.4	4916.5	6232.3	7483.9	*7504.2*	6052.6
45°	5687.8	5678.2	5717.8	5630.0	5415.0	5198.9	5237.4	6628.1	8219.9	*8261.6*	6705.1
47.5°	5820.5	5831.2	5887.9	5831.2	5704.9	5366.9	5522.0	7054.9	8993.3	*8998.7*	7379.1
50°	5953.1	5957.4	6051.5	6023.7	5972.4	5579.8	5784.1	7532.0	9808.4	*9818.1*	8009.1
52.5°	5994.8	5988.4	6138.2	6206.6	6208.8	5842.9	6123.2	8051.9	10607.5	*10638.6*	8657.4
55°	5780.9	5799.1	6040.8	6319.0	6429.1	6206.6	6581.0	8709.8	11459.1	*11471.9*	9299.3
57.5°	4734.7	4835.2	5370.1	6015.1	6571.4	6727.6	7238.9	9479.0	12442.1	*12430.4*	9949.7
60°	2873.3	2993.1	3632.8	5044.9	6107.1	7250.7	8208.1	10670.7	13516.2	*13483.0*	10607.5
62.5°	1606.7	1643.1	1847.4	3019.9	4644.8	6918.0	9154.8	12201.5	14958.2	*14845.9*	11254.7
65°	1184.2	1196.0	1244.1	1479.5	2282.8	5320.9	8947.3	14031.8	16984.3	*16784.2*	12030.3
67.5°	1029.1	1040.9	1087.9	1120.0	1019.5	2795.2	7371.6	15047.0	19557.0	*19294.9*	13079.7
70°	866.5	872.9	948.9	970.3	729.6	1063.3	4735.7	14733.5	21938.2	*21751.0*	14206.2
72.5°	*646.1*	*671.8*	*782.0*	*833.3*	*585.1*	*564.8*	*2229.3*	*12881.8*	*22341.5*	*22343.7*	*14130.2*
75°	438.6	462.1	588.4	685.7	451.4	395.8	899.7	9619.1	19454.3	*19454.3*	12386.5
77.5°	299.5	318.8	409.7	538.1	342.3	271.7	466.4	6105.0	13956.9	*14447.9*	8828.6
80°	132.6	144.4	264.2	390.5	259.9	175.4	264.2	3342.9	8440.3	*8336.5*	3460.6
82.5°	65.3	74.9	169.0	243.9	167.9	108.0	139.1	1589.6	2735.3	*2599.5*	540.2
85°	12.8	17.1	90.9	103.8	78.1	48.1	52.4	488.9	329.5	*376.5*	114.5
87.5°	0.0	0.0	27.8	19.3	8.6	10.7	10.7	43.9	25.7	*30.0*	30.0
90°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8	2849.8
2.5°	2859.4	2819.8	2733.2	2647.6	2559.9	2479.7	2424.0	2368.4	2334.2	2319.2	2321.3
5°	2881.9	2801.6	2619.8	2429.4	2241.1	2057.1	1919.1	1789.7	1749.0	1681.6	1685.9
7.5°	2917.2	2786.7	2500.0	2179.1	1873.1	1603.5	1408.8	1253.7	1191.7	1131.8	1130.7
10°	2940.7	2758.9	2341.7	1912.7	1498.7	1196.0	1009.8	897.5	856.9	820.5	819.4
12.5°	2950.3	2707.5	2159.8	1614.2	1166.0	911.4	800.2	747.7	733.8	721.0	721.0
15°	2958.9	2657.2	1956.6	1326.5	921.0	762.7	718.9	701.7	692.1	683.6	683.6
17.5°	2966.4	2593.1	1724.4	1078.3	777.7	702.8	681.4	663.2	655.8	646.1	646.1
20°	2992.1	2531.0	1516.9	890.0	699.6	660.0	636.5	617.2	610.8	604.4	605.5
22.5°	3040.2	2480.7	1315.8	762.7	652.5	616.2	586.2	564.8	560.5	556.3	553.1
25°	3098.0	2418.7	1126.4	680.4	606.5	565.9	532.7	514.5	510.3	511.3	509.2
27.5°	3171.8	2350.2	963.8	627.9	565.9	518.8	481.4	467.5	469.6	473.9	471.8
30°	3253.1	2287.1	836.5	591.6	529.5	477.1	439.7	430.0	437.5	443.9	441.8
32.5°	3374.0	2231.5	747.7	562.7	497.4	442.9	412.9	401.2	409.7	418.3	416.1
35°	3538.7	2203.7	697.5	538.1	469.6	416.1	386.2	377.6	386.2	388.3	387.2
37.5°	3740.9	2201.5	676.1	517.8	443.9	393.7	360.5	357.3	363.7	364.8	362.6
40°	4001.9	2215.4	660.0	502.8	417.2	368.0	337.0	333.8	335.9	343.4	342.3
42.5°	4332.4	2273.2	637.6	483.5	388.3	342.3	317.7	310.2	309.2	317.7	316.6
45°	4747.5	2400.5	607.6	452.5	362.6	320.9	296.3	287.8	284.6	286.7	289.9
47.5°	5200.0	2556.7	577.7	423.6	344.5	303.8	279.2	268.5	263.2	263.2	263.2
50°	5638.6	2733.2	557.3	393.7	331.6	287.8	261.0	250.3	241.8	239.6	238.6
52.5°	6072.9	2906.5	541.3	363.7	316.6	267.4	243.9	232.1	222.5	218.2	216.1
55°	6468.7	3071.2	513.5	334.8	297.4	246.0	226.8	215.0	203.3	195.8	192.6
57.5°	6848.5	3208.2	462.1	304.9	267.4	225.7	208.6	195.8	181.9	172.2	167.9
60°	7194.0	3278.8	397.9	272.8	237.5	204.3	188.3	176.5	158.3	142.3	138.0
62.5°	7457.2	3250.9	328.4	236.4	206.5	185.1	164.7	153.0	131.6	112.3	104.8
65°	7726.7	3099.0	262.1	197.9	180.8	159.4	138.0	126.2	101.6	81.3	76.0
67.5°	8076.5	2774.9	206.5	164.7	156.2	126.2	108.0	100.6	83.4	64.2	59.9
70°	8301.2	2155.5	160.5	133.7	128.4	92.0	83.4	82.4	66.3	49.2	43.9
72.5°	*7685.0*	*1413.1*	*123.0*	*101.6*	*92.0*	*59.9*	*64.2*	*64.2*	*48.1*	*33.2*	*28.9*
75°	6415.2	826.9	88.8	72.7	52.4	38.5	43.9	43.9	30.0	16.0	12.8
77.5°	4581.7	440.7	58.8	44.9	26.7	17.1	23.5	22.5	9.6	1.1	0.0
80°	1752.2	151.9	27.8	18.2	7.5	3.2	2.1	1.1	1.1	0.0	0.0
82.5°	267.4	39.6	5.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	48.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	0.0	0.0	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	0.0


HS
SS

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(END OF REPORT)