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: P1203837

Luminaire Tested: GWC-SB2D-827-U-SL3

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203837
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-SL3
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17292 lumens
Efficiency:	N/A
Efficacy:	117.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B2 - 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

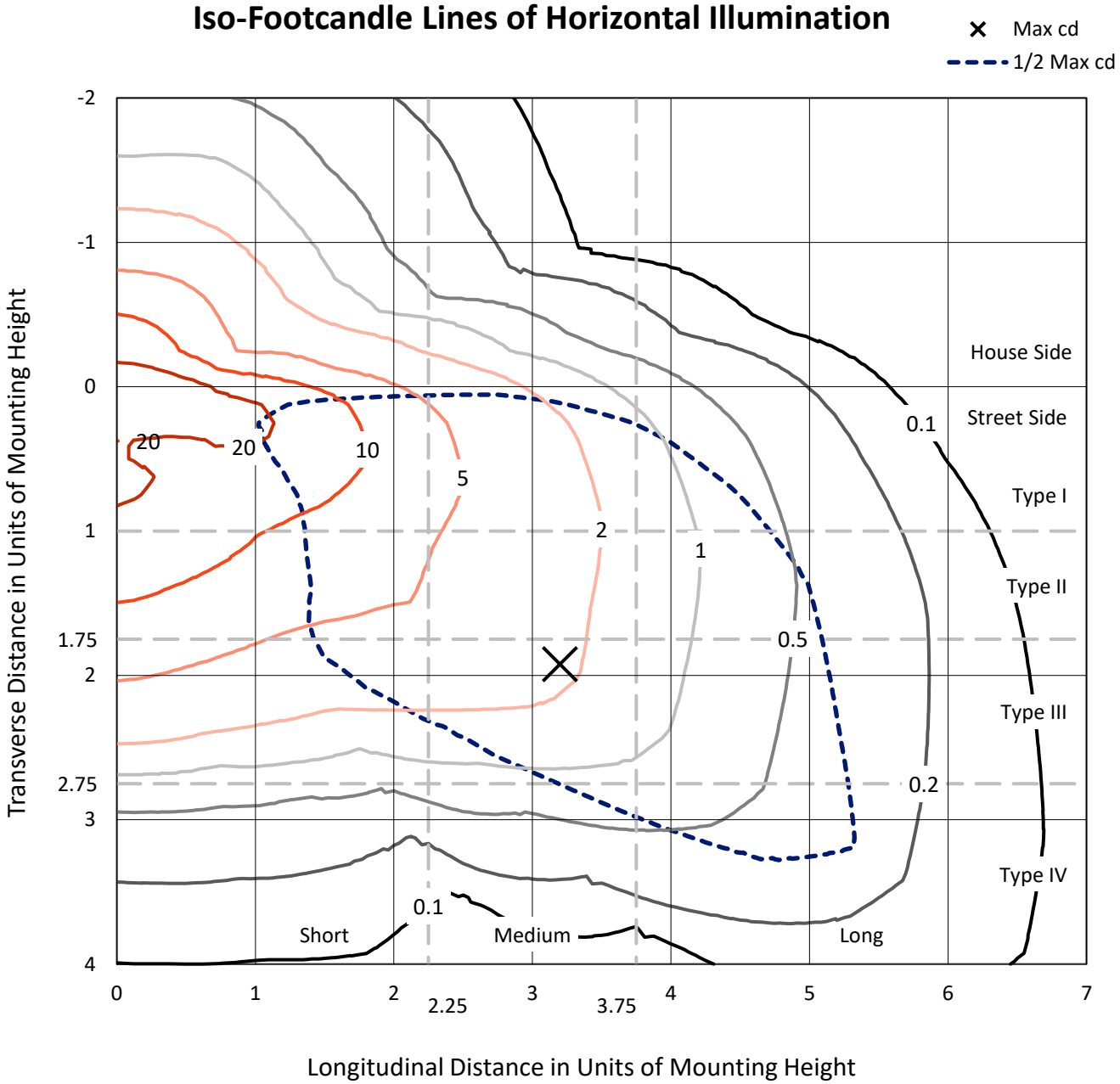


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Iso-Footcandle Lines of Horizontal Illumination



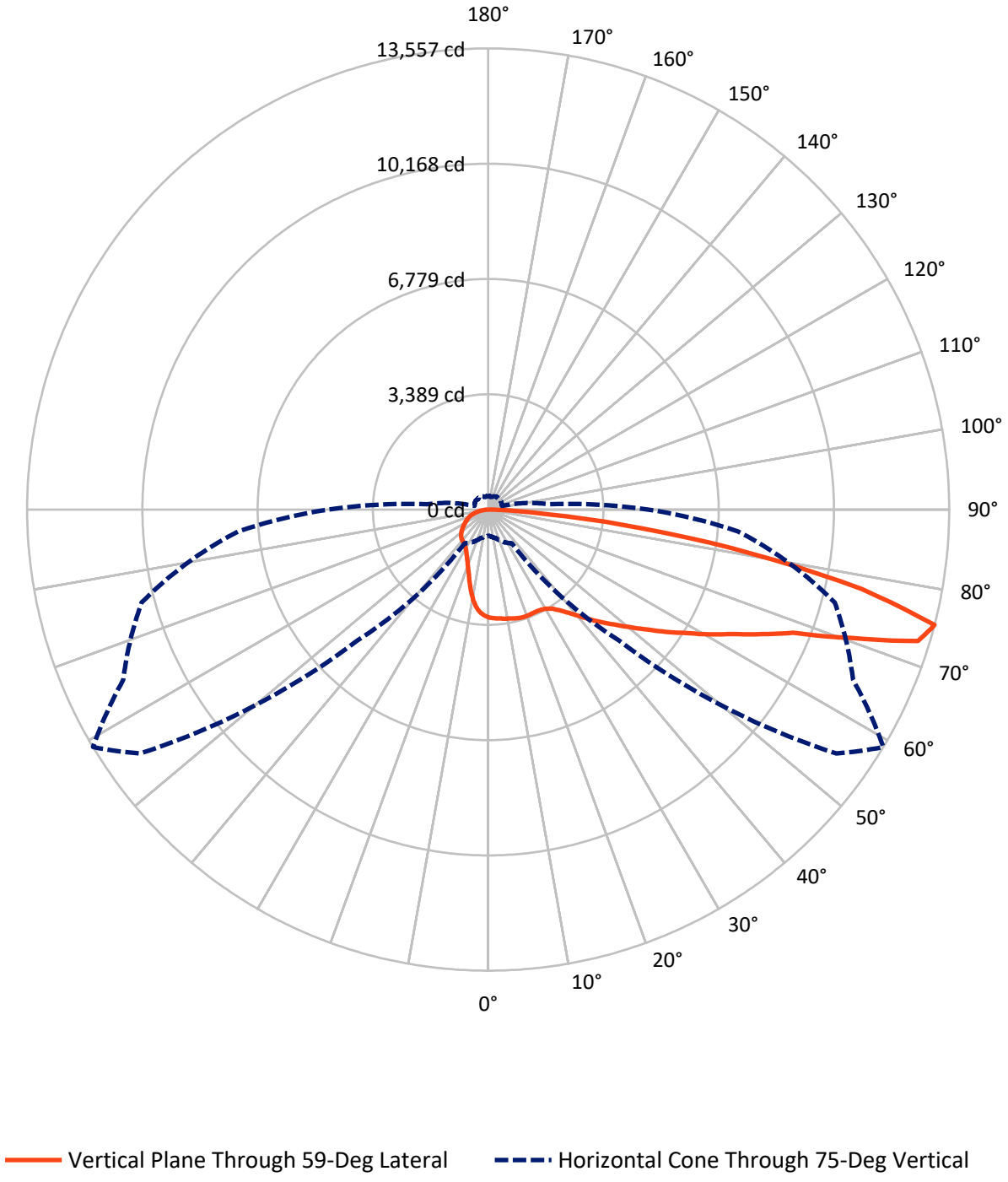
Based on 10 foot mounting height. Maximum calculated value = 31.7 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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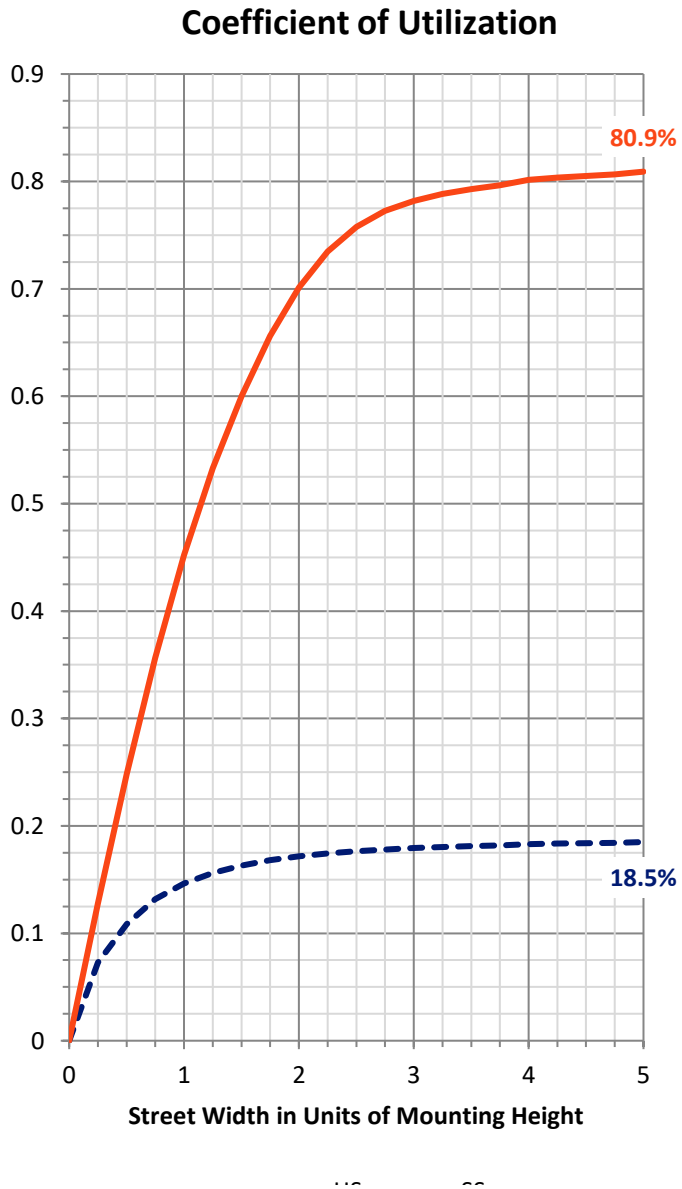
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3243.2	0.0	3243.2
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	14048.8	0.0	14048.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	17292.0	0.0	17292.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.6	1.6
10°-20°	727.4	4.2
20°-30°	1104.9	6.4
30°-40°	1642.4	9.5
40°-50°	2442.6	14.1
50°-60°	3315.5	19.2
60°-70°	4047.7	23.4
70°-80°	3176.6	18.4
80°-90°	550.3	3.2
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°	17292.0	100.0
0°-180°	17292.0	100.0



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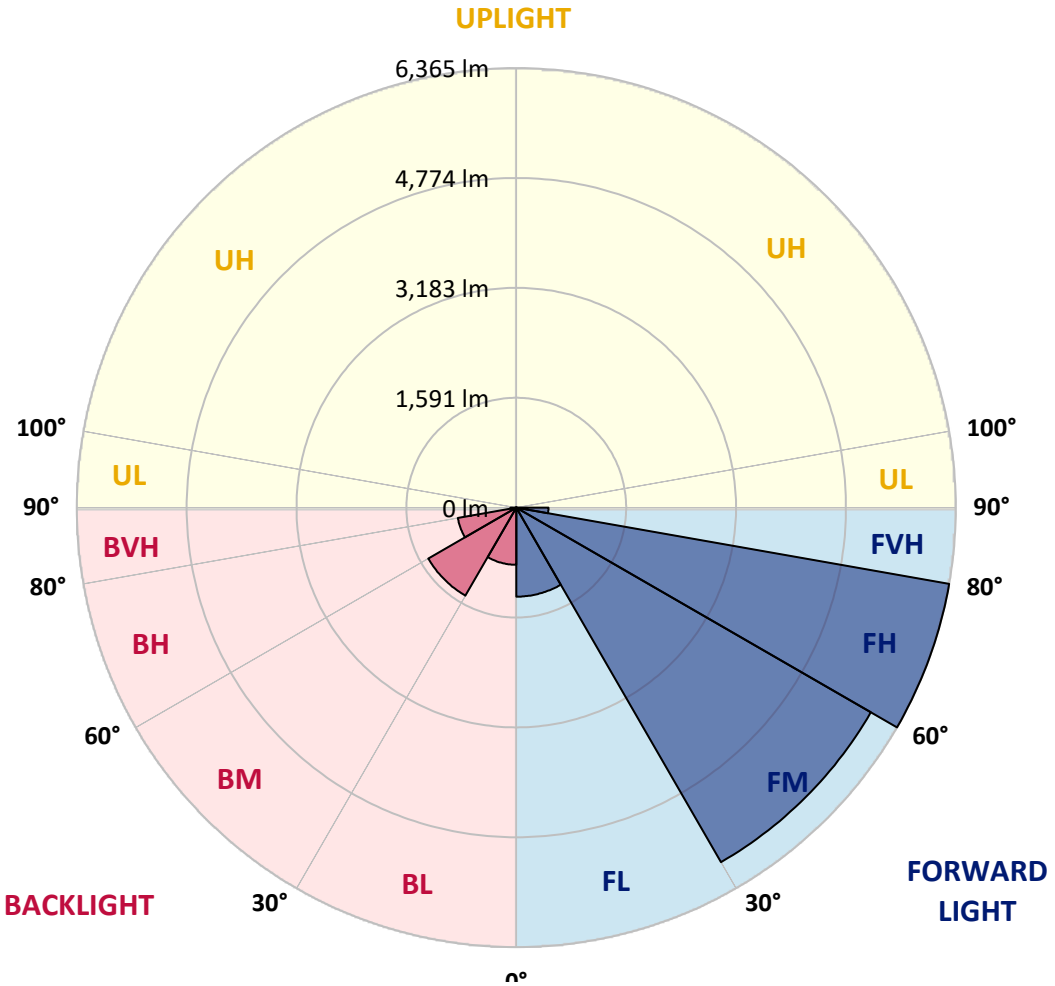
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1289.3	7.5			
FM	(30°-60°)	5928.4	34.3			
FH	(60°-80°)	6365.0	36.8			G3/7500
FVH	(80°-90°)	466.0	2.7			G3/500
BL	(0°-30°)	827.6	4.8	B2/1000		
BM	(30°-60°)	1472.1	8.5	B2/2500		
BH	(60°-80°)	859.3	5.0	B2/1000		G2/1000
BVH	(80°-90°)	84.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9
2.5°	3200.9	3189.7	3200.9	3196.2	3194.4	3190.7	3191.6	3198.1	3194.4	3199.0	3183.2
5°	3179.5	3173.0	3184.1	3181.3	3193.4	3195.3	3207.4	3214.8	3219.5	3220.4	3208.3
7.5°	3144.1	3137.6	3153.4	3166.5	3192.5	3200.0	3225.1	3237.2	3243.7	3254.8	3237.2
10°	3014.8	3012.0	3051.1	3100.4	3161.8	3200.0	3238.1	3258.6	3268.8	3298.6	3278.1
12.5°	2786.0	2789.7	2840.9	2935.8	3058.6	3181.3	3253.0	3282.7	3298.6	3335.8	3326.5
15°	2567.4	2566.5	2622.3	2723.7	2895.8	3099.5	3260.4	3311.6	3338.6	3393.4	3386.0
17.5°	2440.9	2437.2	2476.2	2553.5	2713.4	2973.9	3241.8	3327.4	3385.1	3453.9	3447.4
20°	2417.6	2410.2	2430.7	2468.8	2582.3	2836.2	3193.4	3327.4	3422.3	3511.6	3507.9
22.5°	2502.3	2490.2	2481.8	2477.2	2527.4	2722.8	3138.6	3316.2	3477.2	3594.4	3587.9
25°	2672.5	2653.9	2611.1	2569.3	2554.4	2671.6	3090.2	3313.4	3559.0	3706.0	3681.8
27.5°	2947.9	2924.6	2838.1	2737.6	2647.4	2697.6	3068.8	3330.2	3649.3	3824.1	3775.8
30°	3289.3	3264.1	3155.3	3000.9	2839.0	2794.4	3095.8	3379.5	3764.6	3981.3	3886.5
32.5°	3595.3	3567.4	3474.4	3317.2	3098.6	2961.8	3181.3	3473.4	3946.0	4199.9	4053.0
35°	3866.9	3834.4	3750.6	3605.5	3416.7	3197.2	3335.8	3639.9	4203.7	4555.3	4279.0
37.5°	4133.0	4094.8	4003.7	3850.2	3718.1	3510.6	3548.8	3853.9	4546.0	4986.9	4578.5
40°	4430.6	4375.8	4265.1	4113.4	3985.1	3878.1	3828.8	4116.2	4893.9	5468.8	4952.5
42.5°	4719.0	4666.9	4534.8	4405.5	4244.6	4213.9	4153.4	4423.2	5274.3	5998.1	5332.0
45°	5029.7	4967.4	4807.4	4643.7	4542.3	4437.1	4467.8	4730.2	5647.4	6537.6	5730.2
47.5°	5320.9	5251.1	5062.3	4879.9	4824.1	4625.1	4756.2	5067.8	6035.3	7084.5	6124.6
50°	5478.1	5409.2	5252.0	5087.4	5043.6	4856.7	5068.8	5439.0	6441.8	7629.7	6503.2
52.5°	5609.2	5534.8	5329.2	5238.1	5225.0	5108.8	5453.9	5863.2	6848.3	8111.5	6868.7
55°	5748.8	5666.0	5403.6	5321.8	5381.3	5391.6	5910.6	6344.1	7278.0	8581.3	7213.9
57.5°	5909.7	5804.6	5475.3	5392.5	5533.9	5722.7	6435.3	6842.7	7700.4	9016.6	7520.8
60°	6061.3	5955.3	5612.9	5505.0	5698.5	6106.9	7037.1	7446.4	8178.5	9404.5	7811.1
62.5°	6091.1	6003.6	5722.7	5721.8	5921.8	6555.3	7749.7	8055.7	8596.2	9787.8	8071.5
65°	5575.7	5520.9	5354.3	5713.4	6241.8	7200.8	8543.1	8835.2	9127.3	10122.6	8300.3
67.5°	4243.7	4251.1	4239.0	4932.0	5983.2	8128.3	9692.0	9669.6	9783.1	10498.5	8563.6
70°	1940.4	1984.2	2268.8	3404.6	4793.4	8235.2	11591.5	11302.2	10606.4	10985.0	8791.5
72.5°	1048.4	1081.8	1198.1	1649.3	2881.8	7321.8	13011.0	13216.6	11701.2	11312.4	8541.3
75°	769.3	787.9	868.8	1048.4	1210.2	5441.8	12502.1	13557.0	11838.0	10548.7	7375.7
77.5°	575.8	584.2	650.2	830.7	619.5	2868.8	9989.6	11227.7	10133.8	8666.9	5448.3
80°	417.7	427.0	476.3	623.2	434.4	1049.3	6859.4	7880.8	6940.4	5524.6	2715.3
82.5°	288.4	292.1	313.5	424.2	303.3	407.4	3892.0	4621.3	3874.4	1938.6	733.0
85°	174.0	178.6	187.9	247.4	172.1	193.5	1680.0	1737.6	1158.1	463.2	227.9
87.5°	71.6	76.3	83.7	104.2	67.9	54.0	277.2	347.9	216.7	135.8	70.7
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°	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9	3173.9
2.5°	3178.6	3172.0	3154.4	3130.2	3107.9	3080.0	3067.9	3057.6	3048.3	3030.7	3022.3
5°	3198.1	3180.4	3133.0	3071.6	3001.8	2925.5	2851.1	2800.0	2756.2	2723.7	2696.7
7.5°	3227.9	3194.4	3107.9	2982.3	2822.3	2658.6	2510.7	2405.5	2326.5	2297.6	2247.4
10°	3258.6	3218.6	3067.9	2846.5	2570.2	2318.1	2121.8	2013.9	1950.7	1930.2	1898.6
12.5°	3294.8	3236.2	3005.5	2657.6	2288.3	2012.1	1840.9	1777.6	1745.1	1733.9	1736.7
15°	3347.9	3251.1	2911.6	2421.4	2019.5	1788.8	1678.1	1634.4	1617.7	1616.7	1620.4
17.5°	3387.9	3253.9	2765.5	2168.3	1813.0	1653.9	1562.8	1546.0	1557.2	1573.9	1580.4
20°	3432.5	3228.8	2573.9	1937.6	1667.9	1535.8	1497.7	1508.8	1535.8	1560.0	1568.3
22.5°	3464.1	3183.2	2342.3	1758.1	1542.3	1467.9	1466.0	1489.3	1504.2	1516.3	1522.8
25°	3492.0	3106.0	2096.7	1607.4	1439.0	1427.0	1447.4	1440.0	1429.7	1440.0	1446.5
27.5°	3512.5	2984.1	1877.2	1475.3	1366.5	1399.0	1387.0	1370.2	1369.3	1374.9	1384.2
30°	3506.0	2821.4	1696.7	1349.7	1315.3	1347.0	1318.1	1315.3	1312.5	1315.3	1325.6
32.5°	3506.0	2636.2	1558.1	1263.2	1282.8	1270.7	1267.9	1261.4	1250.2	1249.3	1261.4
35°	3525.5	2451.1	1439.0	1216.7	1255.8	1227.0	1228.8	1213.0	1189.8	1178.6	1189.8
37.5°	3565.5	2302.3	1320.9	1194.4	1208.4	1207.4	1200.0	1173.0	1132.1	1096.7	1108.8
40°	3662.3	2258.6	1240.0	1184.2	1186.0	1197.2	1177.7	1125.6	1032.5	974.9	982.3
42.5°	3813.9	2332.1	1222.3	1159.1	1171.1	1182.3	1144.2	1023.2	957.2	922.8	922.8
45°	4006.5	2460.4	1260.4	1122.8	1135.8	1155.3	1041.8	984.2	954.4	955.3	960.0
47.5°	4250.2	2595.3	1331.1	1091.1	1084.6	1095.8	973.9	938.6	897.7	907.9	933.9
50°	4532.0	2732.1	1398.1	1048.4	1027.9	991.6	930.2	896.7	844.6	820.5	827.0
52.5°	4837.1	2864.1	1425.1	996.3	966.5	924.6	900.5	859.5	796.3	756.3	755.3
55°	5126.4	2984.1	1395.3	933.9	905.1	872.5	868.8	843.7	775.8	720.0	720.0
57.5°	5399.9	3084.6	1320.9	870.7	842.8	823.2	848.4	836.3	750.7	679.1	675.3
60°	5631.5	3153.4	1213.0	806.5	787.0	776.7	814.9	811.2	715.3	635.3	632.5
62.5°	5815.7	3180.4	1093.9	745.1	740.5	721.9	768.4	768.4	670.7	592.5	589.8
65°	5959.9	3154.4	973.0	684.6	693.9	666.0	711.6	706.0	623.2	554.4	550.7
67.5°	6087.4	3068.8	839.1	625.1	646.5	611.2	652.1	639.1	571.2	516.3	512.6
70°	6144.1	2869.7	686.5	565.6	591.6	557.2	592.5	568.4	512.6	475.3	467.9
72.5°	5688.3	2385.1	540.5	503.2	525.6	497.7	528.4	500.5	449.3	432.6	418.6
75°	*4706.0*	*1789.7*	*415.8*	*435.3*	*452.1*	*430.7*	*451.2*	*430.7*	*384.2*	*396.3*	*361.9*
77.5°	3417.6	1208.4	318.1	363.7	371.2	360.0	377.7	354.4	312.6	309.8	295.8
80°	1699.5	707.9	249.3	287.4	284.6	277.2	297.7	286.5	251.2	266.0	263.3
82.5°	492.1	303.3	181.4	201.9	196.3	198.1	213.0	218.6	327.4	324.6	332.1
85°	154.4	119.1	108.8	112.6	107.0	109.8	125.6	249.3	230.7	134.9	146.0
87.5°	40.0	40.9	27.0	28.8	29.8	35.3	40.0	151.6	72.6	47.4	50.2
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)