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: P1203757

Luminaire Tested: GWC-SB2D-735-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203757
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-735-U-T2
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20160 lumens
Efficiency:	N/A
Efficacy:	136.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - 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

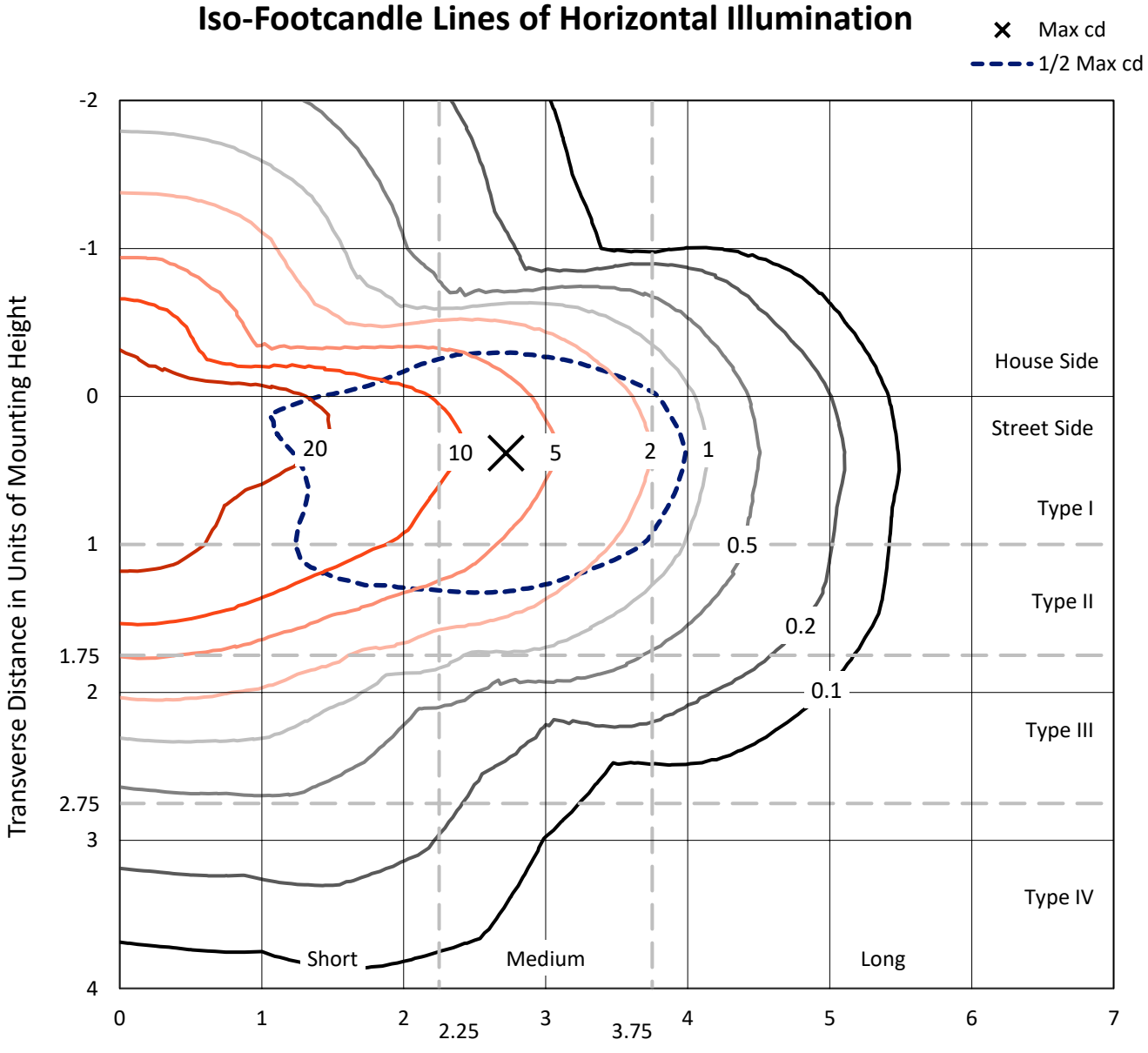


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Iso-Footcandle Lines of Horizontal Illumination



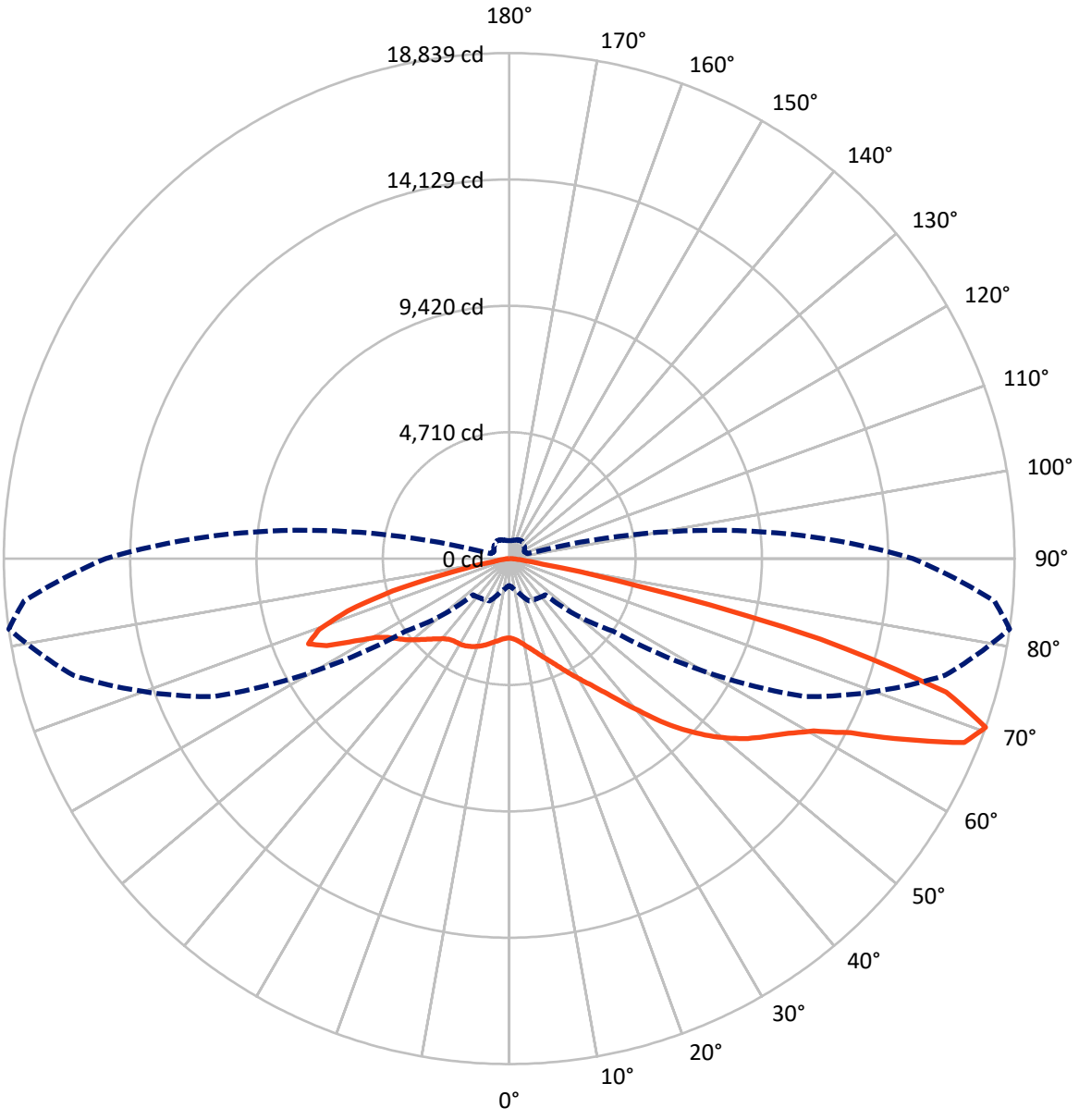
Based on 10 foot mounting height. Maximum calculated value = 33.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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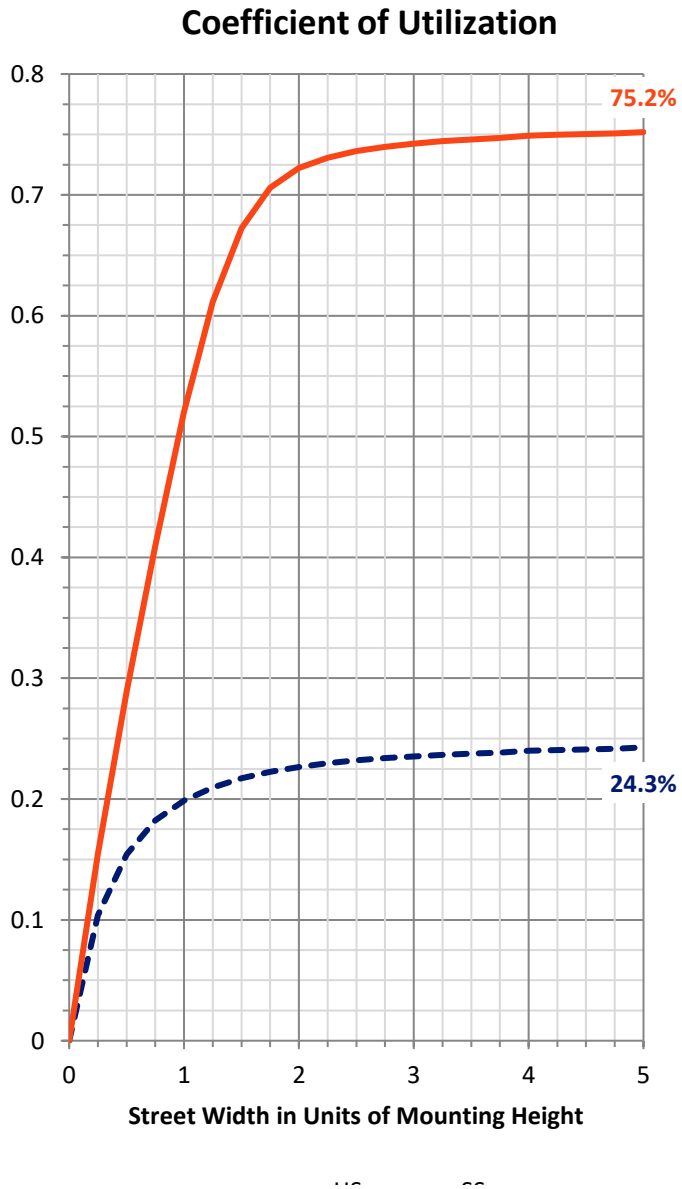
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4969.9	0.0	4969.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	15190.1	0.0	15190.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	20160.0	0.0	20160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.1	1.4
10°-20°	801.8	4.0
20°-30°	1341.3	6.7
30°-40°	2095.5	10.4
40°-50°	3337.3	16.6
50°-60°	4644.2	23.0
60°-70°	4858.1	24.1
70°-80°	2539.1	12.6
80°-90°	263.7	1.3
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°	20160.0	100.0
0°-180°	20160.0	100.0



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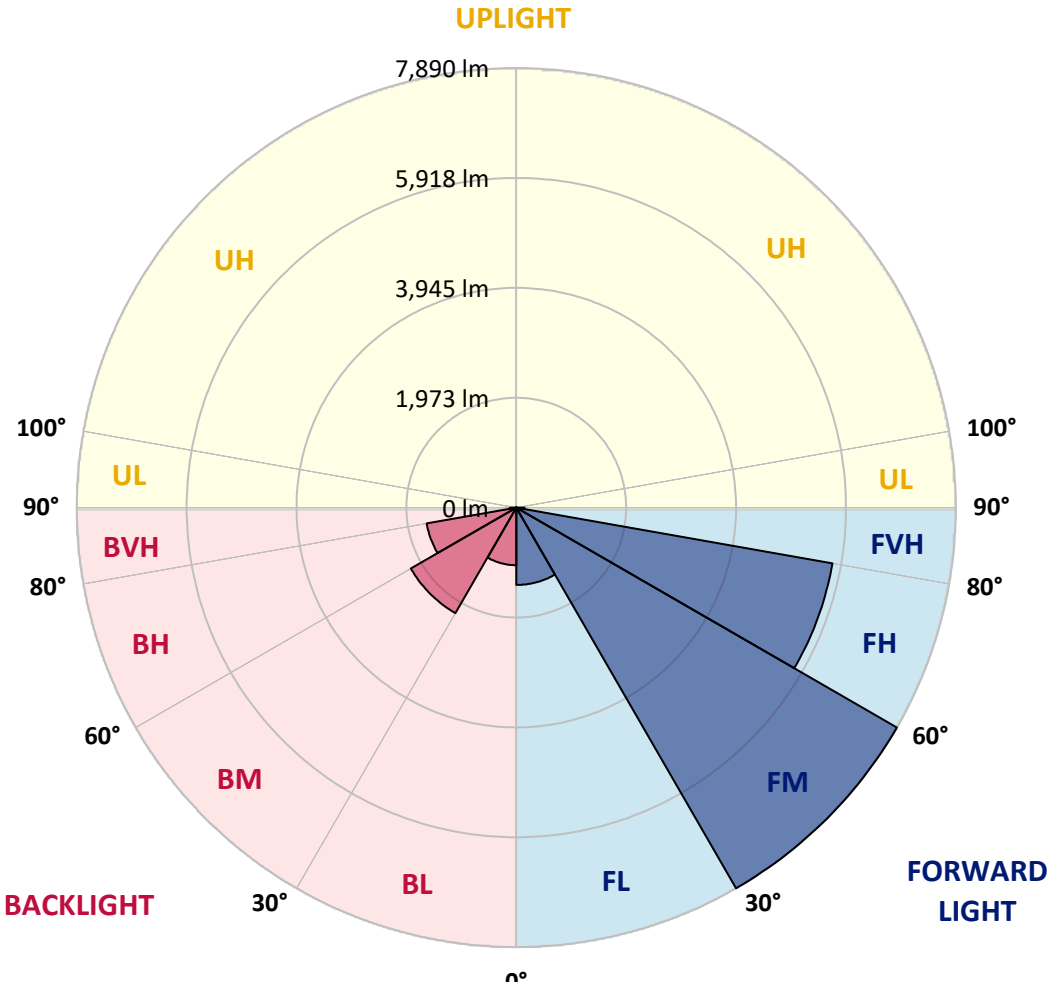
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1388.2	6.9			
FM	(30°-60°)	7890.4	39.1			
FH	(60°-80°)	5763.8	28.6			G3/7500
FVH	(80°-90°)	147.6	0.7			G2/225
BL	(0°-30°)	1033.9	5.1	B3/2500		
BM	(30°-60°)	2186.6	10.8	B2/2500		
BH	(60°-80°)	1633.4	8.1	B3/2500		G3/2500
BVH	(80°-90°)	116.1	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	*2955.7*	2955.7
2.5°	3026.3	3043.4	3038.1	3032.7	3032.7	3025.2	3024.2	3013.5	3004.9	*2991.0*	2987.8
5°	3064.8	3083.0	3080.9	3085.1	3099.1	3102.3	3105.5	3099.1	3081.9	*3064.8*	3057.3
7.5°	3030.6	3050.9	3057.3	3083.0	3125.8	3164.3	3193.2	3205.0	3188.9	*3164.3*	3152.5
10°	2915.1	2937.5	2960.0	3021.0	3096.9	3187.8	3264.9	3310.9	3307.7	*3284.1*	3263.8
12.5°	2680.8	2704.3	2752.5	2871.2	3010.3	3170.7	3314.1	3410.4	3443.5	*3426.4*	3391.1
15°	2493.6	2513.9	2550.3	2672.2	2853.0	3096.9	3332.3	3519.5	3604.0	*3594.3*	3551.6
17.5°	2488.2	2496.8	2519.3	2577.0	2716.1	2981.4	3313.0	3626.4	3788.0	*3786.9*	3733.4
20°	2582.4	2585.6	2598.4	2610.2	2689.3	2893.7	3263.8	3715.2	3994.4	*3994.4*	3936.7
22.5°	2712.9	2710.7	2723.6	2712.9	2751.4	2886.2	3232.8	3793.3	4224.4	*4241.5*	4168.8
25°	2908.6	2897.9	2894.7	2870.1	2877.6	2955.7	3267.0	3882.1	4497.2	*4532.5*	4441.6
27.5°	3169.7	3152.5	3140.8	3084.1	3064.8	3099.1	3371.8	3989.1	4801.0	*4862.0*	4746.5
30°	3509.8	3478.8	3461.7	3363.3	3293.7	3299.1	3530.2	4131.4	5118.7	*5217.2*	5070.6
32.5°	3974.1	3926.0	3880.0	3718.4	3591.1	3549.4	3734.5	4328.2	5463.2	*5620.4*	5432.2
35°	4494.0	4455.5	4406.3	4157.0	3961.3	3865.0	4010.5	4603.1	5866.5	*6115.7*	5870.8
37.5°	4994.6	4961.5	4985.0	4649.1	4396.7	4256.5	4372.1	4972.2	6363.9	*6731.9*	6420.6
40°	5512.4	5486.7	5489.9	5169.0	4874.8	4717.6	4810.6	5435.4	6934.1	*7464.7*	7081.7
42.5°	6075.1	6055.8	5991.6	5707.1	5376.5	5230.0	5315.6	5970.3	7546.0	*8299.1*	7807.0
45°	6705.2	6693.4	6633.5	6307.2	5928.5	5763.8	5879.3	6560.8	8161.1	*9084.3*	8535.5
47.5°	7249.7	7259.3	7251.8	6976.9	6584.3	6342.5	6480.5	7176.9	8733.4	*9822.4*	9234.0
50°	7511.8	7562.0	7635.8	7550.3	7306.4	7060.3	7087.1	7771.7	9279.0	*10514.5*	9903.7
52.5°	7374.8	7470.0	7671.1	7808.1	7902.2	7850.9	7779.2	8362.2	9792.5	*11139.3*	10537.0
55°	6864.6	6998.3	7332.0	7662.6	8142.9	8516.2	8610.4	9016.9	10293.1	*11689.1*	11136.1
57.5°	5935.0	6152.1	6451.6	7120.2	7929.0	8838.2	9579.6	9925.1	10823.7	*12276.4*	11762.9
60°	4341.0	4632.0	5004.3	5999.1	7180.1	8666.0	10404.3	11320.1	11577.9	*13037.0*	12579.1
62.5°	2778.1	2957.8	3300.2	4237.3	5594.8	7783.5	10656.8	13063.7	12856.2	*14284.3*	13802.9
65°	1902.0	2017.5	2331.0	2857.3	3616.8	5793.7	9980.7	14371.0	14886.6	*16261.2*	15895.4
67.5°	1382.1	1469.8	1737.3	2198.3	2356.7	3428.5	7745.0	14311.1	16860.3	*18298.0*	17728.9
70°	*1007.7*	*1069.7*	*1294.4*	*1737.3*	*1813.2*	*1907.4*	*4691.9*	*12165.2*	*16817.5*	*18839.3*	*18157.9*
72.5°	746.7	789.5	940.3	1347.9	1467.7	1288.0	2322.4	8841.5	14451.2	*17040.0*	16493.3
75°	540.2	572.3	683.6	1031.2	1174.6	981.0	1158.5	5166.9	10080.2	*11986.5*	12082.8
77.5°	412.9	437.5	510.3	755.2	940.3	736.0	718.9	2377.0	4779.6	*4803.2*	5072.7
80°	331.6	347.7	387.2	531.7	721.0	550.9	468.5	959.6	1510.5	*1278.3*	1341.5
82.5°	243.9	270.6	327.3	373.3	515.6	379.8	285.6	484.6	574.5	*494.2*	498.5
85°	139.1	157.3	197.9	267.4	329.5	232.1	163.7	215.0	267.4	*219.3*	195.8
87.5°	49.2	64.2	69.5	104.8	143.3	96.3	63.1	62.0	87.7	*65.3*	54.6
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°	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7	2955.7
2.5°	2977.1	2971.8	2950.4	2921.5	2891.5	2862.6	2853.0	2832.7	2818.8	2811.3	2819.9
5°	3037.0	3019.9	2969.6	2905.4	2838.0	2765.3	2713.9	2666.9	2632.6	2600.6	2613.4
7.5°	3122.6	3092.6	3006.0	2893.7	2773.9	2653.0	2563.1	2494.6	2448.6	2418.7	2425.1
10°	3222.1	3176.1	3043.4	2875.5	2690.4	2517.1	2411.2	2352.4	2323.5	2307.4	2311.7
12.5°	3336.5	3271.3	3081.9	2833.8	2563.1	2365.2	2292.5	2275.3	2276.4	2277.5	2279.6
15°	3477.7	3386.8	3113.0	2742.8	2397.3	2248.6	2235.8	2263.6	2292.5	2306.4	2305.3
17.5°	3637.1	3508.8	3118.3	2593.1	2234.7	2173.7	2214.4	2274.3	2318.1	2337.4	2341.7
20°	3808.3	3632.9	3079.8	2381.3	2101.0	2112.7	2185.5	2262.5	2310.7	2335.3	2341.7
22.5°	4004.1	3765.5	2987.8	2158.7	1991.9	2046.4	2132.0	2206.9	2257.2	2281.8	2288.2
25°	4227.6	3914.2	2843.4	1971.5	1897.7	1971.5	2057.1	2119.2	2159.8	2182.3	2188.7
27.5°	4475.8	4069.3	2650.8	1822.8	1815.4	1894.5	1965.1	2013.3	2034.7	2051.8	2058.2
30°	4725.1	4210.5	2417.6	1710.5	1743.7	1818.6	1868.8	1890.2	1896.7	1899.9	1907.4
32.5°	4994.6	4332.5	2172.7	1617.5	1675.2	1744.8	1774.7	1784.3	1754.4	1734.1	1740.5
35°	5320.9	4463.0	1933.0	1543.6	1607.8	1667.7	1677.4	1668.8	1633.5	1591.8	1593.9
37.5°	5724.2	4625.6	1741.5	1491.2	1544.7	1584.3	1572.5	1570.4	1573.6	1524.4	1527.6
40°	6218.4	4837.4	1601.4	1450.6	1493.4	1501.9	1468.8	1486.9	1503.0	1428.1	1430.3
42.5°	6767.2	5093.1	1512.6	1422.8	1450.6	1430.3	1378.9	1399.2	1397.1	1298.7	1297.6
45°	7326.7	5371.2	1481.6	1402.4	1411.0	1370.3	1313.6	1319.0	1274.1	1185.3	1188.5
47.5°	7883.0	5669.7	1500.9	1385.3	1361.8	1315.8	1271.9	1248.4	1182.1	1115.7	1115.7
50°	8428.5	5983.1	1571.5	1351.1	1294.4	1267.6	1235.6	1193.8	1123.2	1066.5	1062.3
52.5°	8934.5	6298.7	1650.6	1294.4	1209.9	1225.9	1205.6	1157.5	1087.9	1030.2	1031.2
55°	9413.8	6614.2	1681.6	1216.3	1130.7	1189.6	1177.8	1089.0	1005.6	958.5	954.2
57.5°	9935.8	6994.0	1647.4	1116.8	1066.5	1147.8	1102.9	1004.5	956.4	921.1	917.8
60°	10658.9	7589.8	1573.6	993.8	1005.6	1085.8	1008.8	968.1	915.7	876.1	874.0
62.5°	11860.3	8701.3	1454.9	871.8	933.9	993.8	963.8	923.2	869.7	831.2	831.2
65°	13636.1	10246.0	1231.3	776.6	853.7	903.9	915.7	875.1	819.4	778.8	780.9
67.5°	15133.7	11215.2	931.7	697.5	771.3	831.2	864.4	824.8	765.9	726.4	727.4
70°	*15051.3*	*10511.3*	*711.4*	*619.4*	*698.5*	*759.5*	*802.3*	*771.3*	*708.2*	*670.7*	*673.9*
72.5°	13368.6	8793.3	575.5	540.2	624.7	684.6	736.0	712.5	648.3	611.9	611.9
75°	9821.3	6242.0	460.0	460.0	532.7	606.5	663.2	648.3	589.4	563.8	556.3
77.5°	4139.9	2618.7	360.5	381.9	442.9	521.0	591.6	596.9	545.6	577.7	524.2
80°	1100.8	722.1	274.9	300.6	347.7	430.0	514.5	512.4	456.8	426.8	396.9
82.5°	419.3	284.6	195.8	211.8	251.4	329.5	407.6	420.4	364.8	315.6	315.6
85°	161.5	122.0	120.9	127.3	146.6	218.2	308.1	318.8	274.9	233.2	240.7
87.5°	41.7	36.4	44.9	42.8	67.4	116.6	176.5	182.9	168.0	97.3	139.1
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)