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: P1203845

Luminaire Tested: GWC-SB2D-827-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203845
	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-827-U-T2
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17530 lumens
Efficiency:	N/A
Efficacy:	118.8 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

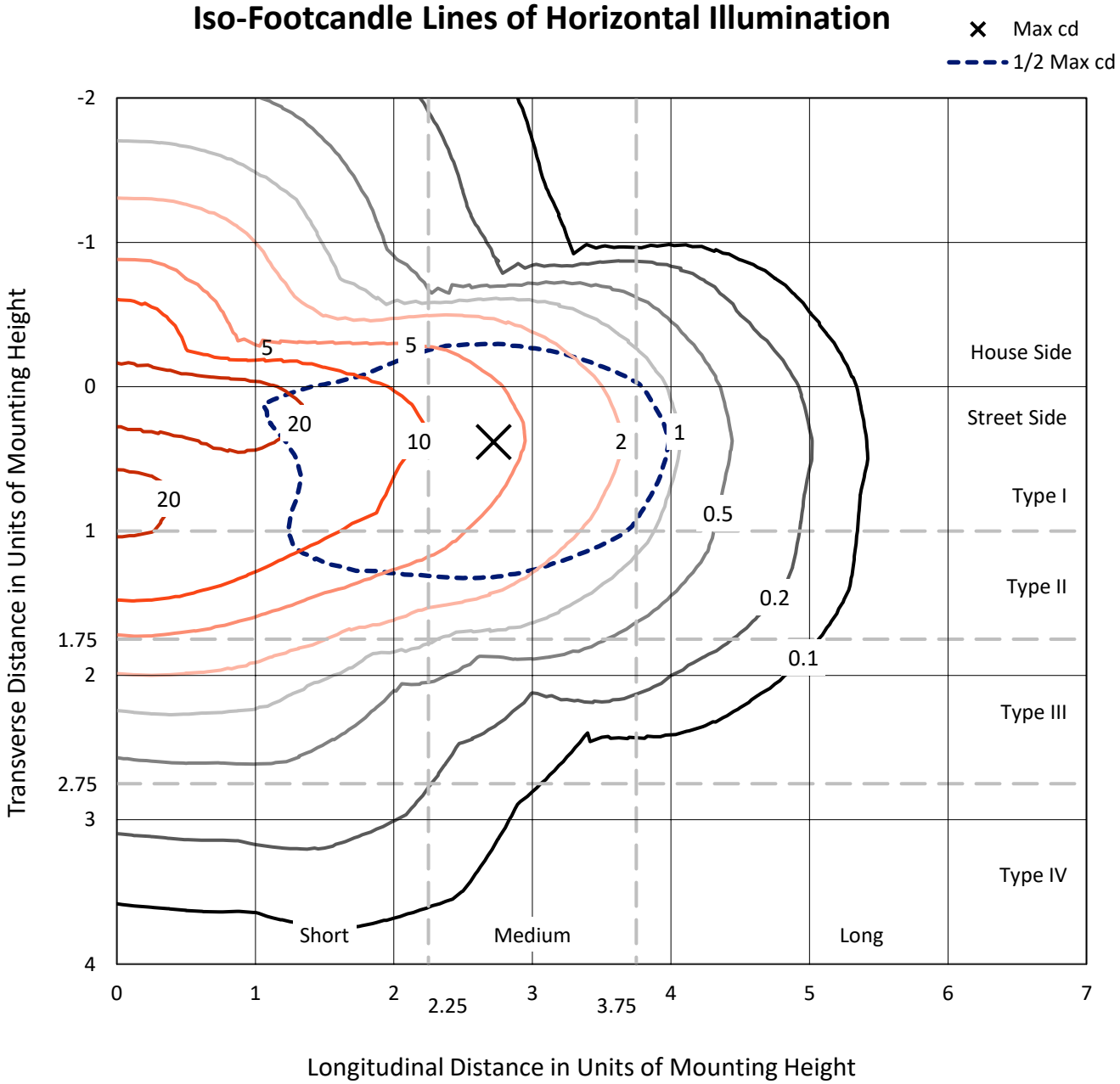


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Iso-Footcandle Lines of Horizontal Illumination



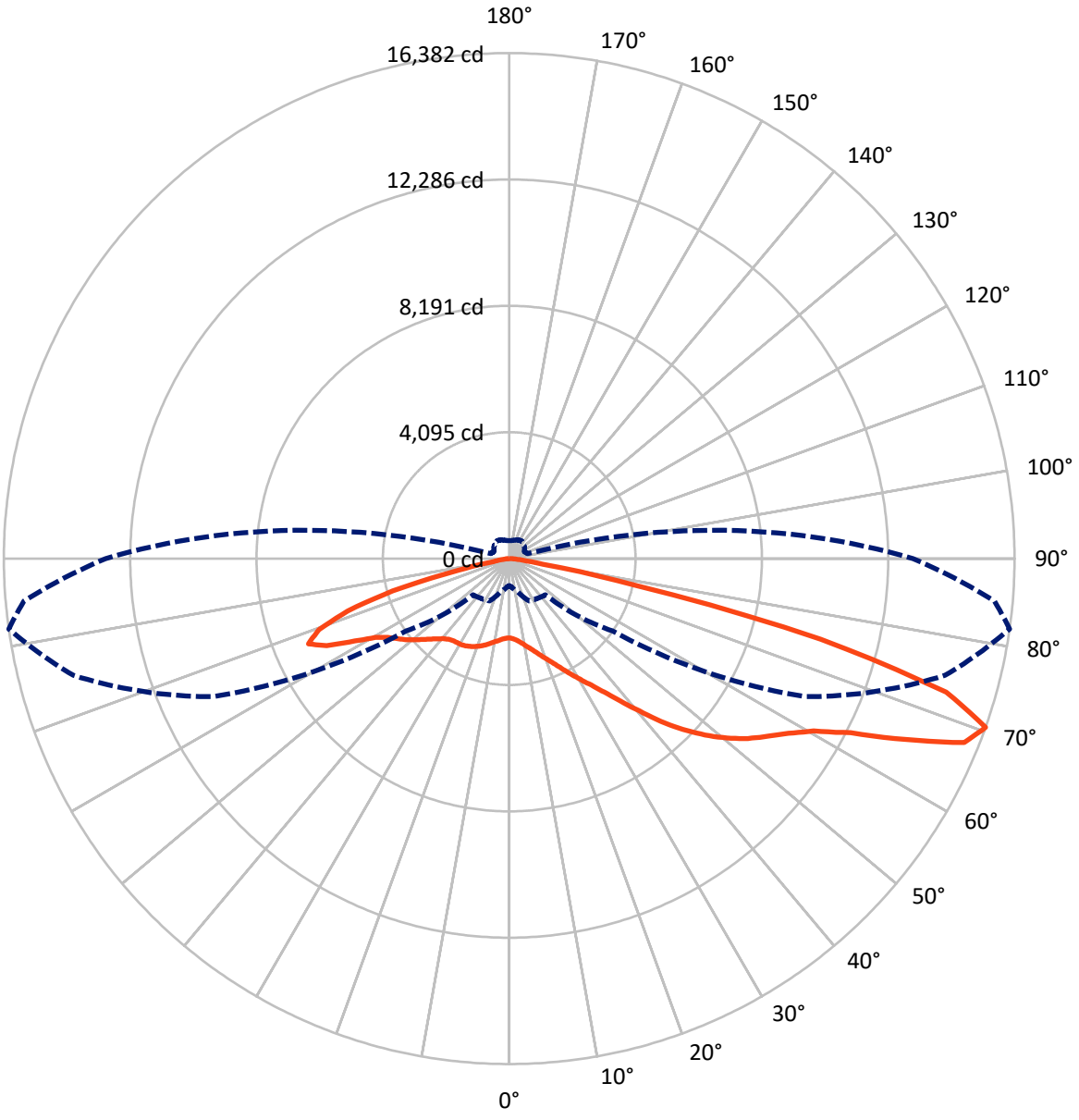
Based on 10 foot mounting height. Maximum calculated value = 29.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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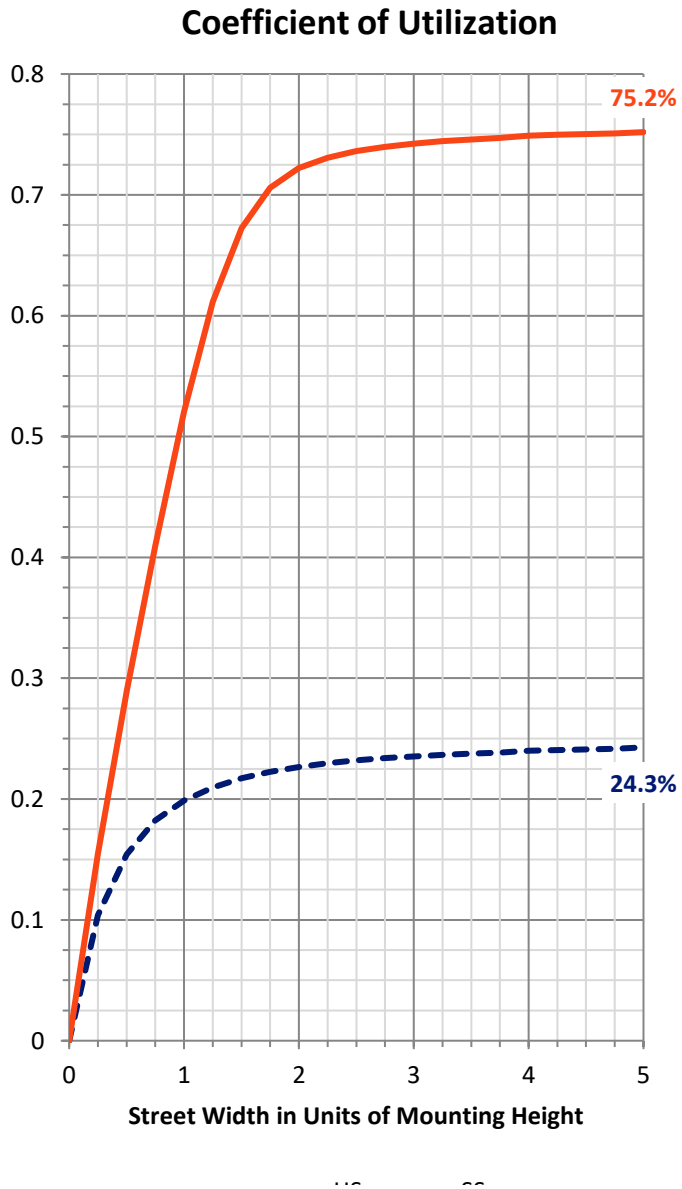
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4321.6	0.0	4321.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13208.4	0.0	13208.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	17530.0	0.0	17530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.7	1.4
10°-20°	697.2	4.0
20°-30°	1166.3	6.7
30°-40°	1822.1	10.4
40°-50°	2901.9	16.6
50°-60°	4038.4	23.0
60°-70°	4224.3	24.1
70°-80°	2207.8	12.6
80°-90°	229.3	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°	17530.0	100.0
0°-180°	17530.0	100.0



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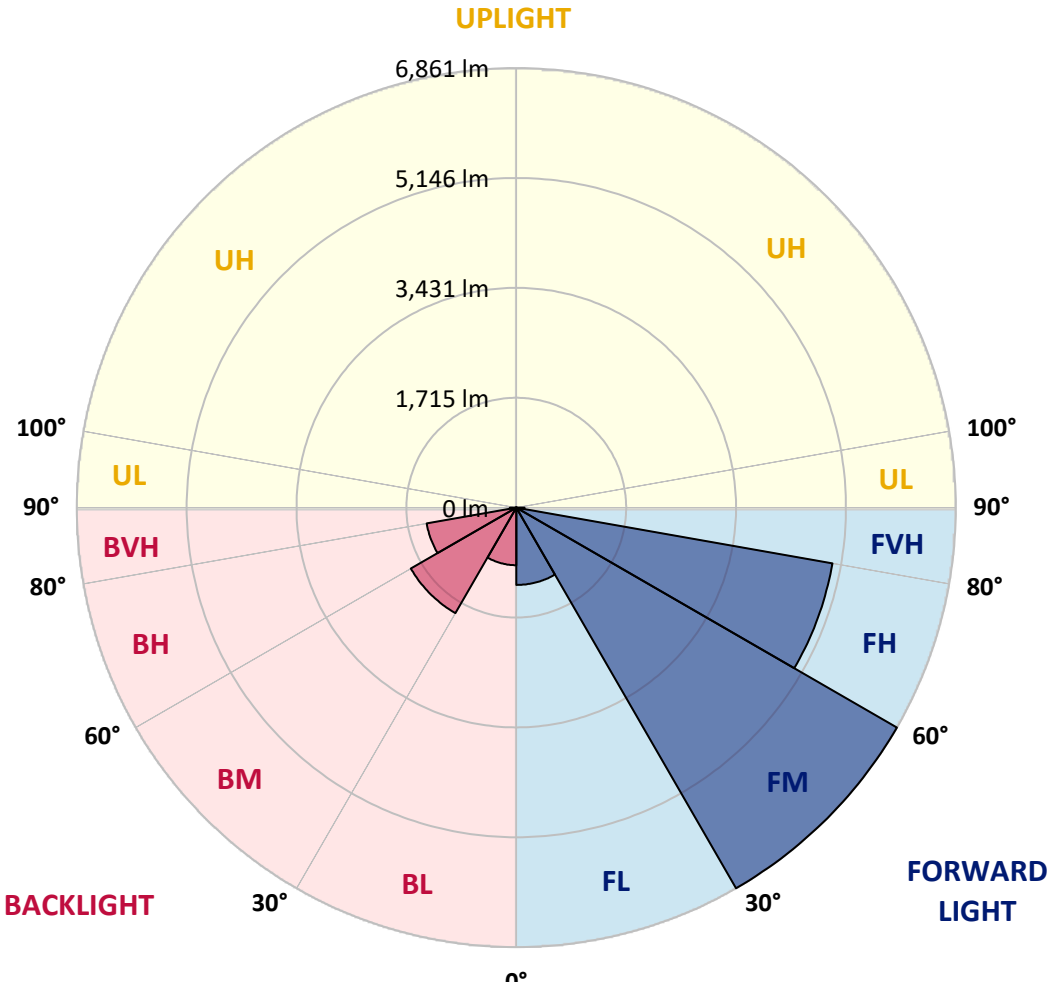
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1207.1	6.9			
FM	(30°-60°)	6861.1	39.1			
FH	(60°-80°)	5011.9	28.6			G3/7500
FVH	(80°-90°)	128.3	0.7			G2/225
BL	(0°-30°)	899.0	5.1	B2/1000		
BM	(30°-60°)	1901.3	10.8	B2/2500		
BH	(60°-80°)	1420.3	8.1	B3/2500		G3/2500
BVH	(80°-90°)	100.9	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°	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	*2570.1*	2570.1
2.5°	2631.5	2646.4	2641.7	2637.1	2637.1	2630.6	2629.6	2620.3	2612.9	*2600.8*	2598.0
5°	2665.0	2680.8	2678.9	2682.7	2694.8	2697.6	2700.3	2694.8	2679.9	*2665.0*	2658.5
7.5°	2635.2	2652.9	2658.5	2680.8	2718.0	2751.5	2776.6	2786.9	2772.9	*2751.5*	2741.3
10°	2534.8	2554.3	2573.8	2626.9	2692.9	2772.0	2838.9	2878.9	2876.1	*2855.7*	2838.0
12.5°	2331.1	2351.5	2393.4	2496.6	2617.6	2757.1	2881.7	2965.4	2994.3	*2979.4*	2948.7
15°	2168.3	2185.9	2217.6	2323.6	2480.8	2692.9	2897.5	3060.3	3133.8	*3125.4*	3088.2
17.5°	2163.6	2171.1	2190.6	2240.8	2361.8	2592.4	2880.8	3153.3	3293.8	*3292.9*	3246.4
20°	2245.5	2248.3	2259.4	2269.7	2338.5	2516.2	2838.0	3230.6	3473.3	*3473.3*	3423.1
22.5°	2359.0	2357.1	2368.3	2359.0	2392.5	2509.7	2811.0	3298.5	3673.3	*3688.2*	3625.0
25°	2529.2	2519.9	2517.1	2495.7	2502.2	2570.1	2840.8	3375.7	3910.5	*3941.2*	3862.2
27.5°	2756.2	2741.3	2731.0	2681.7	2665.0	2694.8	2932.0	3468.7	4174.7	*4227.7*	4127.3
30°	3052.0	3025.0	3010.1	2924.5	2864.1	2868.7	3069.6	3592.4	4451.0	*4536.5*	4409.1
32.5°	3455.7	3413.8	3373.8	3233.3	3122.7	3086.4	3247.3	3763.6	4750.5	*4887.2*	4723.5
35°	3907.7	3874.2	3831.5	3614.7	3444.5	3360.8	3487.3	4002.6	5101.2	*5317.9*	5104.9
37.5°	4343.1	4314.2	4334.7	4042.6	3823.1	3701.2	3801.7	4323.5	5533.7	*5853.7*	5583.0
40°	4793.3	4770.9	4773.7	4494.7	4238.9	4102.1	4183.1	4726.3	6029.5	*6490.9*	6157.9
42.5°	5282.6	5265.8	5210.0	4962.6	4675.1	4547.7	4622.1	5191.4	6561.6	*7216.4*	6788.5
45°	5830.4	5820.2	5768.1	5484.4	5155.1	5011.9	5112.3	5704.9	7096.4	*7899.2*	7422.0
47.5°	6303.9	6312.3	6305.8	6066.7	5725.3	5515.1	5635.1	6240.7	7594.1	*8541.0*	8029.4
50°	6531.8	6575.5	6639.7	6565.3	6353.2	6139.3	6162.5	6757.8	8068.5	*9142.8*	8611.7
52.5°	6412.7	6495.5	6670.4	6789.5	6871.3	6826.7	6764.3	7271.3	8515.0	*9686.1*	9162.4
55°	5969.0	6085.3	6375.5	6663.0	7080.6	7405.2	7487.1	7840.6	8950.3	*10164.2*	9683.3
57.5°	5160.7	5349.5	5610.0	6191.4	6894.6	7685.2	8329.9	8630.3	9411.7	*10674.9*	10228.4
60°	3774.7	4027.7	4351.4	5216.5	6243.4	7535.5	9047.0	9843.3	10067.5	*11336.2*	10938.1
62.5°	2415.7	2572.0	2869.6	3684.5	4864.9	6768.1	9266.6	11359.5	11179.0	*12420.8*	12002.3
65°	1653.9	1754.3	2026.9	2484.5	3145.0	5037.9	8678.7	12496.2	12944.5	*14139.8*	13821.7
67.5°	1201.8	1278.1	1510.6	1911.5	2049.2	2981.3	6734.6	12444.1	14660.7	*15910.9*	15416.1
70°	*876.2*	*930.2*	*1125.5*	*1510.6*	*1576.7*	*1658.5*	*4079.8*	*10578.1*	*14623.5*	*16381.6*	*15789.1*
72.5°	649.3	686.5	817.6	1172.0	1276.2	1119.9	2019.4	7688.0	12565.9	*14817.0*	14341.7
75°	469.7	497.7	594.4	896.7	1021.3	853.0	1007.4	4492.8	8765.2	*10422.8*	10506.5
77.5°	359.1	380.4	443.7	656.7	817.6	640.0	625.1	2066.9	4156.1	*4176.6*	4411.0
80°	288.4	302.3	336.7	462.3	626.9	479.0	407.4	834.4	1313.4	*1111.6*	1166.5
82.5°	212.1	235.3	284.6	324.6	448.4	330.2	248.4	421.4	499.5	*429.7*	433.5
85°	120.9	136.7	172.1	232.5	286.5	201.9	142.3	187.0	232.5	*190.7*	170.2
87.5°	42.8	55.8	60.5	91.2	124.6	83.7	54.9	54.0	76.3	*56.7*	47.4
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°	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1
2.5°	2588.7	2584.1	2565.5	2540.4	2514.3	2489.2	2480.8	2463.1	2451.1	2444.5	2452.0
5°	2640.8	2625.9	2582.2	2526.4	2467.8	2404.5	2359.9	2319.0	2289.2	2261.3	2272.5
7.5°	2715.2	2689.2	2613.8	2516.2	2412.0	2306.9	2228.7	2169.2	2129.2	2103.2	2108.7
10°	2801.7	2761.7	2646.4	2500.4	2339.4	2188.7	2096.7	2045.5	2020.4	2006.4	2010.1
12.5°	2901.3	2844.5	2679.9	2464.1	2228.7	2056.7	1993.4	1978.5	1979.4	1980.4	1982.2
15°	3024.1	2945.0	2706.9	2385.0	2084.6	1955.3	1944.1	1968.3	1993.4	2005.5	2004.6
17.5°	3162.6	3051.0	2711.5	2254.8	1943.2	1890.1	1925.5	1977.6	2015.7	2032.5	2036.2
20°	3311.5	3158.9	2678.0	2070.6	1826.9	1837.1	1900.4	1967.4	2009.2	2030.6	2036.2
22.5°	3481.7	3274.3	2598.0	1877.1	1732.0	1779.5	1853.9	1919.0	1962.7	1984.1	1989.7
25°	3676.1	3403.6	2472.4	1714.3	1650.2	1714.3	1788.8	1842.7	1878.1	1897.6	1903.2
27.5°	3891.9	3538.4	2305.0	1585.0	1578.5	1647.4	1708.8	1750.6	1769.2	1784.1	1789.7
30°	4108.7	3661.2	2102.2	1487.4	1516.2	1581.3	1625.0	1643.6	1649.2	1652.0	1658.5
32.5°	4343.1	3767.3	1889.2	1406.4	1456.7	1517.1	1543.2	1551.6	1525.5	1507.8	1513.4
35°	4626.8	3880.8	1680.9	1342.3	1398.1	1450.2	1458.5	1451.1	1420.4	1384.1	1386.0
37.5°	4977.5	4022.1	1514.4	1296.7	1343.2	1377.6	1367.4	1365.5	1368.3	1325.5	1328.3
40°	5407.2	4206.3	1392.5	1261.3	1298.5	1306.0	1277.2	1293.0	1306.9	1241.8	1243.7
42.5°	5884.4	4428.6	1315.3	1237.2	1261.3	1243.7	1199.0	1216.7	1214.8	1129.3	1128.3
45°	6370.9	4670.5	1288.3	1219.5	1226.9	1191.6	1142.3	1146.9	1107.9	1030.7	1033.4
47.5°	6854.6	4930.0	1305.1	1204.6	1184.1	1144.1	1106.0	1085.5	1027.9	970.2	970.2
50°	7329.0	5202.6	1366.5	1174.8	1125.5	1102.3	1074.4	1038.1	976.7	927.4	923.7
52.5°	7769.0	5477.0	1435.3	1125.5	1052.0	1066.0	1048.3	1006.5	946.0	895.8	896.7
55°	8185.7	5751.4	1462.3	1057.6	983.2	1034.4	1024.1	946.9	874.4	833.5	829.7
57.5°	8639.6	6081.6	1432.5	971.1	927.4	998.1	959.0	873.4	831.6	800.9	798.1
60°	9268.4	6599.7	1368.3	864.1	874.4	944.1	877.2	841.8	796.2	761.8	760.0
62.5°	10313.0	7566.2	1265.1	758.1	812.1	864.1	838.1	802.8	756.2	722.8	722.8
65°	11857.1	8909.4	1070.6	675.3	742.3	786.0	796.2	760.9	712.5	677.2	679.0
67.5°	13159.4	9752.1	810.2	606.5	670.7	722.8	751.6	717.2	666.0	631.6	632.5
70°	*13087.8*	*9140.1*	*618.6*	*538.6*	*607.4*	*660.4*	*697.6*	*670.7*	*615.8*	*583.2*	*586.0*
72.5°	11624.6	7646.2	500.4	469.7	543.2	595.3	640.0	619.5	563.7	532.1	532.1
75°	8540.1	5427.7	400.0	400.0	463.2	527.4	576.7	563.7	512.5	490.2	483.7
77.5°	3599.8	2277.1	313.5	332.1	385.1	453.0	514.4	519.0	474.4	502.3	455.8
80°	957.2	627.9	239.1	261.4	302.3	373.9	447.4	445.6	397.2	371.1	345.1
82.5°	364.6	247.4	170.2	184.2	218.6	286.5	354.4	365.6	317.2	274.4	274.4
85°	140.5	106.0	105.1	110.7	127.4	189.8	267.9	277.2	239.1	202.8	209.3
87.5°	36.3	31.6	39.1	37.2	58.6	101.4	153.5	159.1	146.0	84.6	120.9
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)