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: P1203836

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

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203836
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-SL3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14248 lumens
Efficiency:	N/A
Efficacy:	96.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - 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

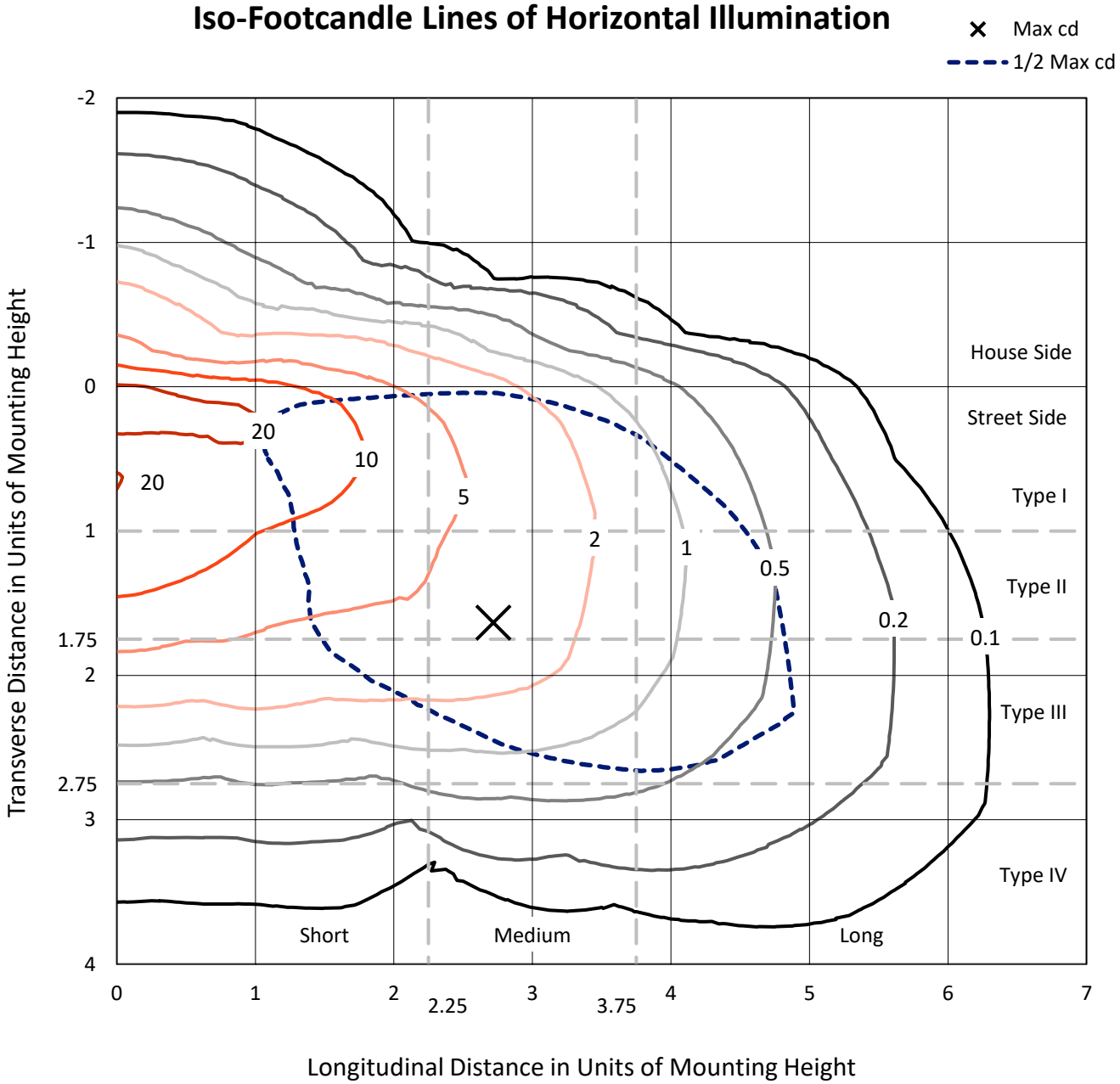


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Iso-Footcandle Lines of Horizontal Illumination



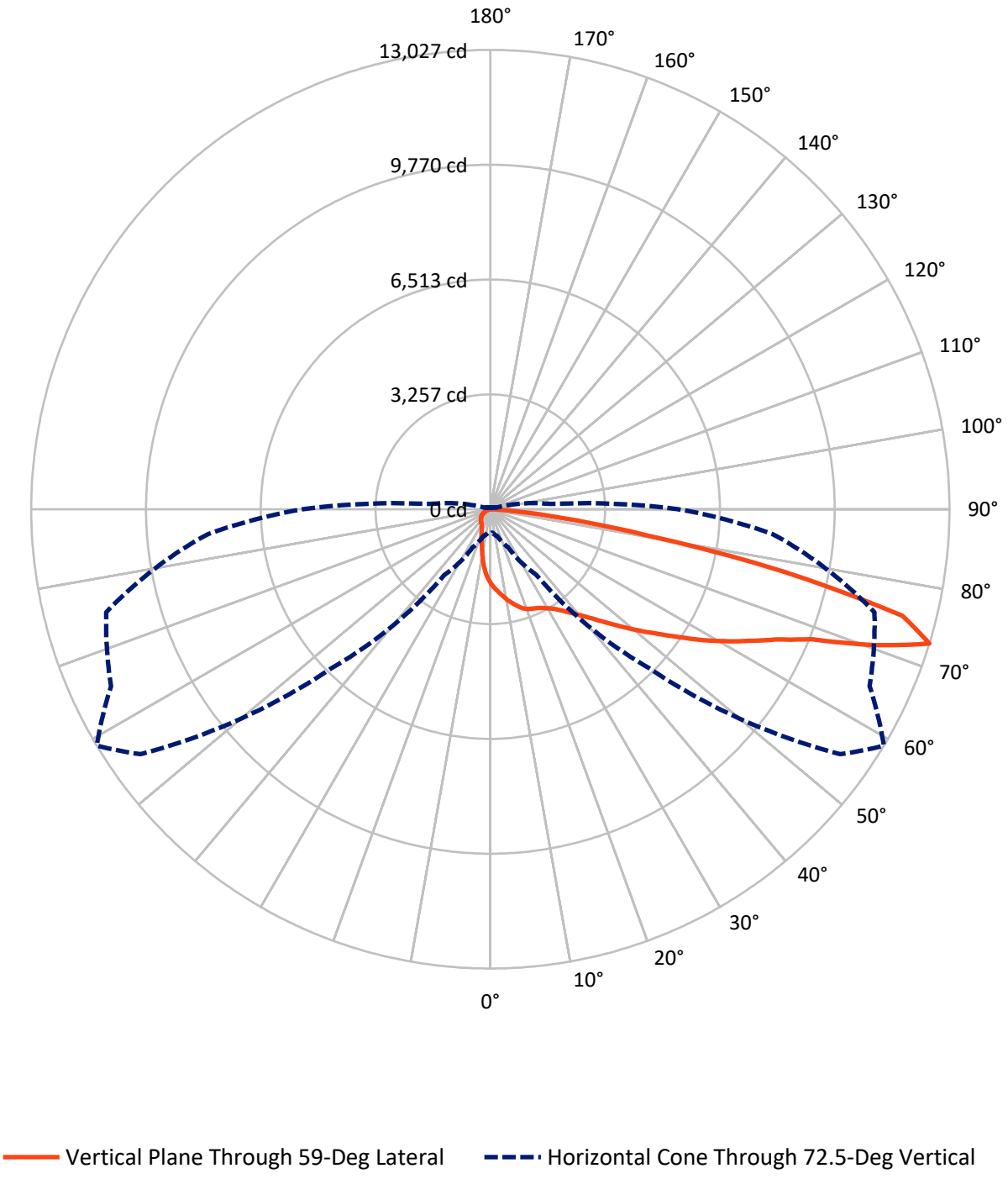
Based on 10 foot mounting height. Maximum calculated value = 26.1 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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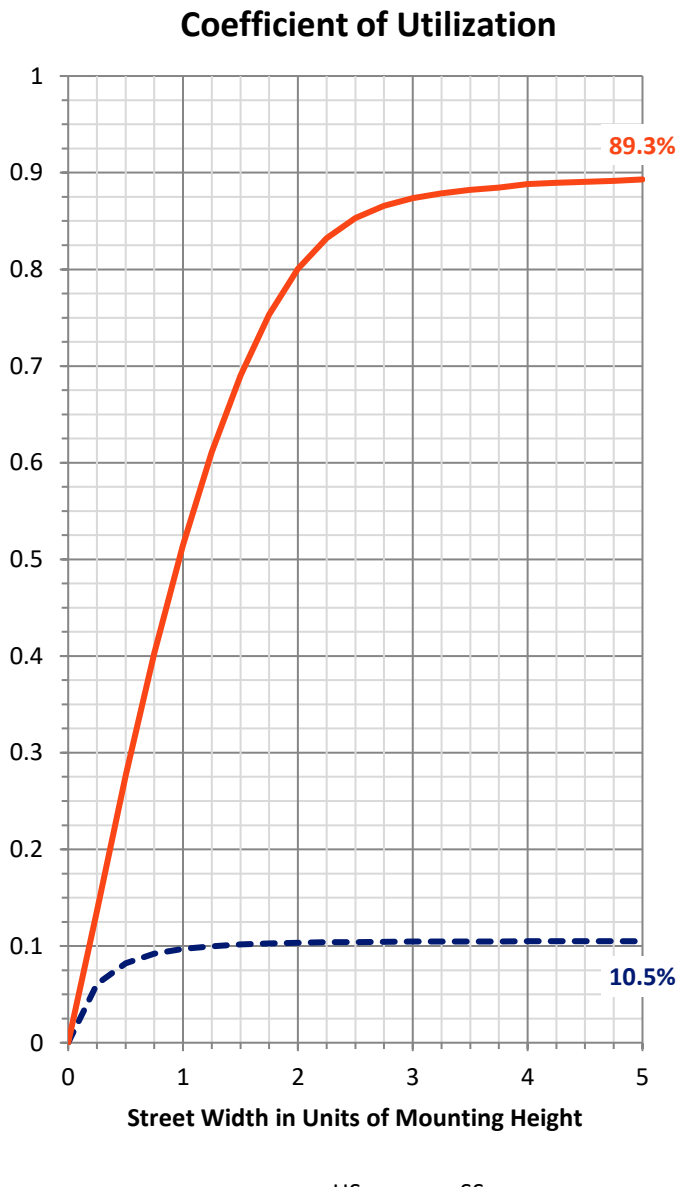
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1504.9	0.0	1504.9
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	12743.1	0.0	12743.1
	% Fixture	89.4	0.0	89.4
Total	Lumens	14248.0	0.0	14248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	1.3
10°-20°	506.3	3.6
20°-30°	802.4	5.6
30°-40°	1287.8	9.0
40°-50°	2056.8	14.4
50°-60°	2978.0	20.9
60°-70°	3534.2	24.8
70°-80°	2623.6	18.4
80°-90°	268.2	1.9
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°	14248.0	100.0
0°-180°	14248.0	100.0



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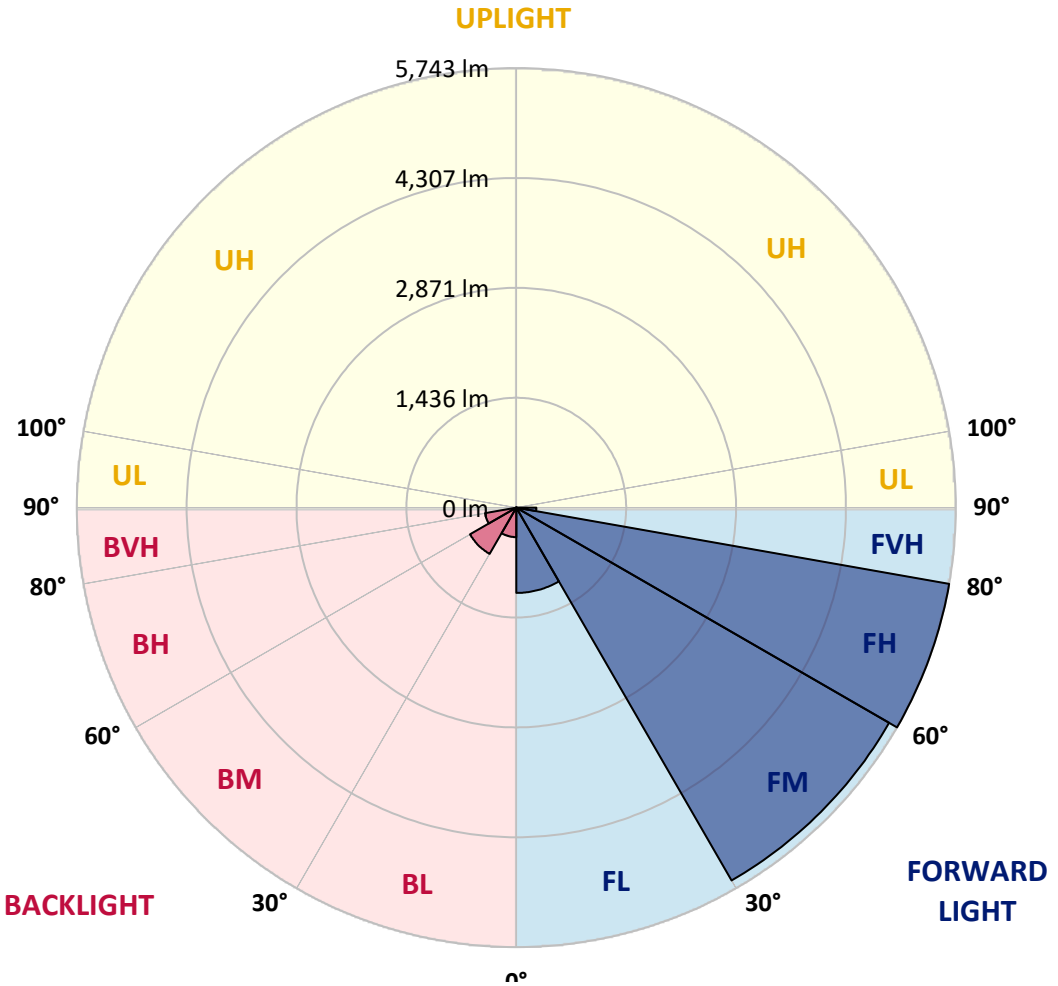
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1113.9	7.8			
FM	(30°-60°)	5624.9	39.5			
FH	(60°-80°)	5742.8	40.3			G3/7500
FVH	(80°-90°)	261.6	1.8			G3/500
BL	(0°-30°)	385.5	2.7	B1/500		
BM	(30°-60°)	697.7	4.9	B1/1000		
BH	(60°-80°)	415.0	2.9	B1/500		G1/500
BVH	(80°-90°)	6.7	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2106.9	2106.9	2106.9	2106.9	2106.9	2106.9	2106.9	*2106.9*	2106.9	2106.9	2106.9
2.5°	2337.6	2324.6	2326.5	2304.1	2288.3	2271.6	2239.0	*2234.4*	2211.1	2170.2	2128.3
5°	2541.4	2533.0	2525.5	2500.4	2467.9	2426.9	2372.1	*2352.5*	2309.7	2239.0	2157.2
7.5°	2690.2	2680.0	2683.7	2658.6	2632.5	2586.9	2511.6	*2475.3*	2418.6	2310.7	2186.9
10°	2719.0	2713.4	2737.6	2746.9	2746.9	2718.1	2644.6	*2608.3*	2525.5	2387.9	2217.6
12.5°	2557.2	2558.1	2618.6	2691.1	2786.0	2813.0	2763.7	*2724.6*	2642.7	2469.7	2256.7
15°	2368.3	2369.3	2427.9	2520.9	2676.2	2831.6	2870.6	*2845.5*	2760.9	2558.1	2302.3
17.5°	2254.8	2250.2	2289.3	2365.5	2528.3	2746.9	2935.8	*2952.5*	2883.7	2655.8	2352.5
20°	2239.0	2230.7	2251.1	2289.3	2405.5	2640.9	2943.2	*3022.3*	3010.2	2766.5	2410.2
22.5°	2335.8	2322.7	2311.6	2313.4	2362.7	2552.5	2924.6	*3061.3*	3140.4	2899.5	2489.3
25°	2527.4	2506.9	2470.7	2424.1	2413.9	2533.9	2911.6	*3104.1*	3261.3	3069.7	2593.4
27.5°	2761.8	2733.0	2663.2	2593.4	2533.9	2586.0	2938.6	*3172.0*	3398.1	3267.8	2714.4
30°	3019.5	2984.1	2914.4	2782.3	2687.4	2702.3	3002.7	*3261.3*	3573.0	3492.0	2866.0
32.5°	3398.1	3316.2	3194.4	2992.5	2866.9	2827.9	3099.5	*3374.8*	3789.7	3790.6	3085.5
35°	3722.7	3677.1	3554.4	3303.2	3045.5	2994.4	3226.9	*3534.8*	4090.2	4186.0	3392.5
37.5°	3935.7	3873.4	3765.5	3576.7	3322.7	3165.5	3397.1	*3731.1*	4408.3	4636.2	3771.1
40°	4173.9	4112.5	3969.2	3791.6	3644.6	3459.5	3612.0	*3957.1*	4757.1	5098.5	4203.6
42.5°	4461.3	4381.3	4212.0	4020.4	3866.9	3846.4	3893.0	*4239.0*	5115.3	5600.8	4653.9
45°	4799.0	4723.6	4529.2	4287.4	4152.5	4116.2	4246.4	*4567.4*	5514.3	6151.5	5108.7
47.5°	5115.3	5027.8	4818.5	4598.1	4448.3	4333.9	4622.2	*4955.3*	5966.4	6727.3	5538.5
50°	5384.1	5294.8	5103.2	4867.8	4766.4	4616.7	4991.5	*5387.8*	6414.8	7312.4	5931.1
52.5°	5568.3	5489.2	5264.1	5104.1	5035.3	4959.9	5424.1	*5846.4*	6861.3	7848.2	6319.0
55°	5526.4	5455.7	5257.6	5246.4	5241.8	5320.8	5941.3	*6366.4*	7316.2	8355.2	6705.0
57.5°	5393.4	5313.4	5066.0	5236.2	5400.8	5642.7	6501.3	*6981.3*	7814.7	8833.3	7077.1
60°	5001.8	4973.9	4823.2	5216.7	5467.8	5958.0	7141.3	*7598.9*	8354.3	9253.8	7407.3
62.5°	4173.0	4197.1	4196.2	5257.6	5588.7	6317.1	7722.7	*8224.0*	8881.7	9658.4	7701.3
65°	3124.6	3208.3	3315.3	4889.2	5750.6	6958.0	8417.5	*8902.2*	9417.5	10129.1	7999.9
67.5°	2099.5	2166.5	2239.0	4011.1	5268.7	7631.5	9571.9	*9831.5*	10059.4	10651.0	8335.7
70°	1201.8	1223.2	1324.6	2505.1	4061.3	7445.5	11451.9	*11545.8*	11016.6	11293.8	8580.3
72.5°	*673.5*	*666.0*	*800.0*	*1188.8*	*2269.7*	*6375.7*	*12110.5*	*13026.7*	*11873.3*	*11283.5*	*8034.3*
75°	450.2	451.2	550.7	749.8	884.6	4463.2	10436.1	*12078.9*	11359.8	10005.4	6564.5
77.5°	307.0	317.2	404.6	579.5	409.3	2177.6	6904.1	*8461.2*	9197.0	7726.4	4532.0
80°	133.0	134.0	267.0	415.8	276.3	693.0	3579.5	*4532.9*	5768.3	4338.5	1795.3
82.5°	68.8	78.1	170.2	268.8	174.0	242.8	1691.1	*1980.4*	2420.4	1273.5	368.4
85°	24.2	28.8	105.1	132.1	87.4	86.5	588.8	*600.0*	512.5	191.6	101.4
87.5°	0.0	4.7	40.9	32.6	11.2	10.2	69.8	*58.6*	46.5	27.0	33.5
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°	2106.9	2106.9	2106.9	2106.9	2106.9	2106.9	2106.9	2106.9	2106.9	2106.9	2106.9
2.5°	2108.8	2083.7	2042.8	1992.5	1933.9	1902.3	1856.7	1828.8	1803.7	1804.6	1825.1
5°	2111.6	2069.7	1965.5	1854.9	1732.1	1641.8	1541.4	1470.7	1416.7	1403.7	1423.2
7.5°	2120.0	2049.3	1879.0	1694.9	1490.2	1338.6	1200.0	1112.5	1063.2	1050.2	1063.2
10°	2131.1	2026.9	1781.4	1499.5	1245.6	1063.2	947.9	892.1	869.8	853.0	863.2
12.5°	2140.4	2003.7	1658.6	1297.7	1027.9	885.6	798.1	751.6	732.1	720.0	726.5
15°	2156.2	1973.0	1525.6	1109.7	880.9	764.6	681.8	647.4	641.8	643.7	646.5
17.5°	2172.1	1943.2	1376.7	962.8	773.0	658.6	608.4	602.8	610.2	617.7	620.5
20°	2189.7	1900.4	1226.0	852.1	673.5	585.1	572.1	575.8	579.5	592.5	596.3
22.5°	2215.8	1846.5	1093.9	758.1	590.7	549.8	543.2	546.0	548.8	561.9	565.6
25°	2253.0	1788.8	987.0	671.6	538.6	520.9	514.4	514.4	518.1	530.2	534.9
27.5°	2292.1	1706.9	900.4	591.6	507.9	489.3	478.1	478.1	482.8	496.7	502.3
30°	2335.8	1632.5	832.5	532.1	481.9	457.7	442.8	439.1	444.6	462.3	467.0
32.5°	2414.8	1584.2	784.2	504.2	458.6	428.8	408.4	398.1	403.7	424.2	429.8
35°	2534.8	1573.0	750.7	490.2	436.3	402.8	373.9	358.1	362.8	384.2	390.7
37.5°	2675.3	1596.3	718.1	471.6	414.9	377.7	339.5	319.1	326.5	346.0	351.6
40°	2877.2	1693.0	693.0	457.7	393.5	347.9	305.1	284.6	296.7	313.5	316.3
42.5°	3120.9	1865.1	686.5	444.6	367.4	316.3	273.5	258.6	267.9	283.7	286.5
45°	3423.2	2084.6	716.3	427.9	338.6	285.6	248.4	240.0	242.8	258.6	266.0
47.5°	3747.8	2309.7	798.1	413.0	313.5	260.5	228.8	221.4	219.5	234.4	243.7
50°	4076.2	2509.7	894.9	401.9	295.8	240.0	213.9	204.6	200.0	209.3	213.0
52.5°	4400.9	2668.8	958.1	383.2	278.1	219.5	200.9	187.0	178.6	183.3	187.0
55°	4730.1	2808.3	961.8	355.3	261.4	206.5	187.9	172.1	161.9	161.9	163.7
57.5°	5038.1	2931.1	907.0	318.1	238.1	194.4	170.2	157.2	146.0	142.3	143.3
60°	5310.6	3022.3	815.8	276.3	217.7	178.6	152.6	142.3	128.4	120.9	119.1
62.5°	5553.4	3066.9	691.2	233.5	192.6	160.0	135.8	124.6	106.0	96.7	95.8
65°	5759.0	3021.3	560.9	193.5	171.2	139.5	116.3	105.1	84.6	73.5	73.5
67.5°	5962.7	2813.0	424.2	162.8	148.8	117.2	95.8	85.6	70.7	61.4	61.4
70°	5988.7	2374.8	296.7	136.7	123.7	90.2	77.2	70.7	57.7	49.3	48.4
72.5°	*5331.1*	*1708.8*	*180.5*	*111.6*	*96.7*	*64.2*	*61.4*	*55.8*	*42.8*	*37.2*	*36.3*
75°	4261.3	1047.4	106.0	83.7	64.2	45.6	45.6	40.0	28.8	24.2	24.2
77.5°	2945.1	547.9	62.3	54.0	38.1	27.0	29.8	24.2	14.0	11.2	11.2
80°	1179.5	208.4	33.5	25.1	17.7	12.1	10.2	5.6	2.8	1.9	2.8
82.5°	235.3	54.9	11.2	6.5	6.5	2.8	0.0	0.0	0.0	0.0	0.0
85°	60.5	12.1	2.8	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.6	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


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SS

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(END OF REPORT)