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: P1203460

Luminaire Tested: GWC-SB2C-827-U-SL2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203460
	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-SB2C-827-U-SL2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA 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:	10554 lumens
Efficiency:	N/A
Efficacy:	104.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

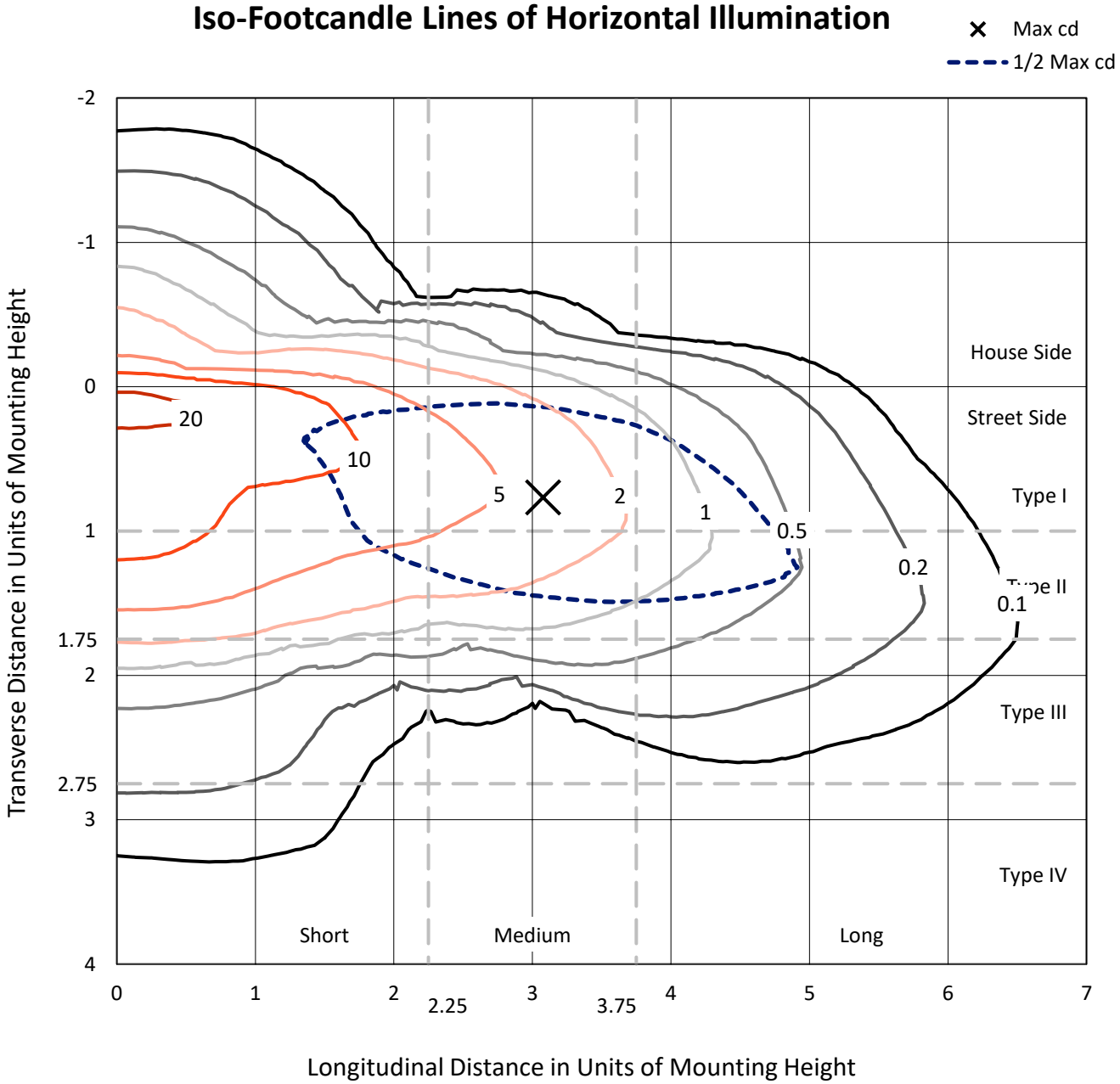


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Iso-Footcandle Lines of Horizontal Illumination



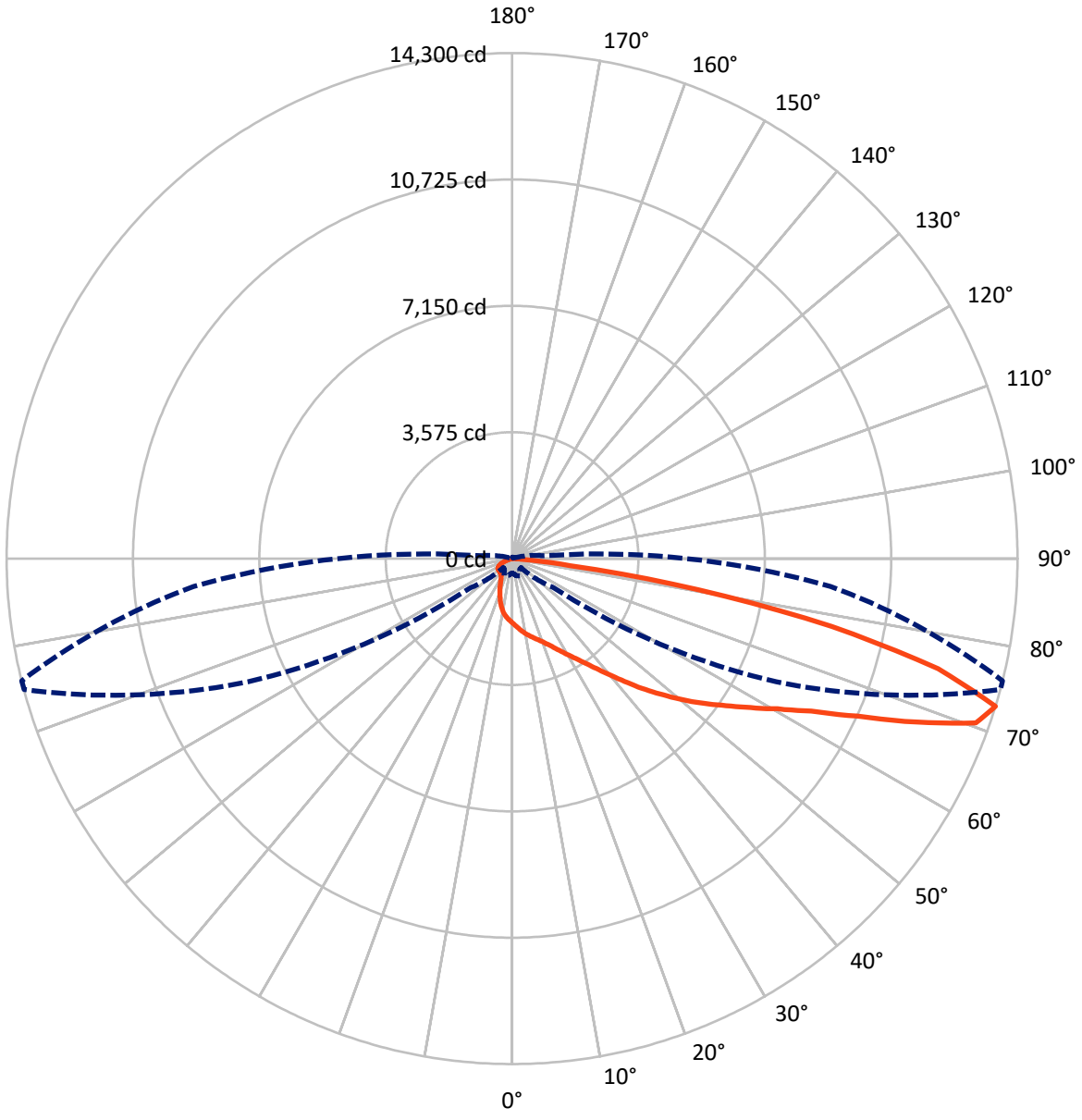
Based on 10 foot mounting height. Maximum calculated value = 24.1 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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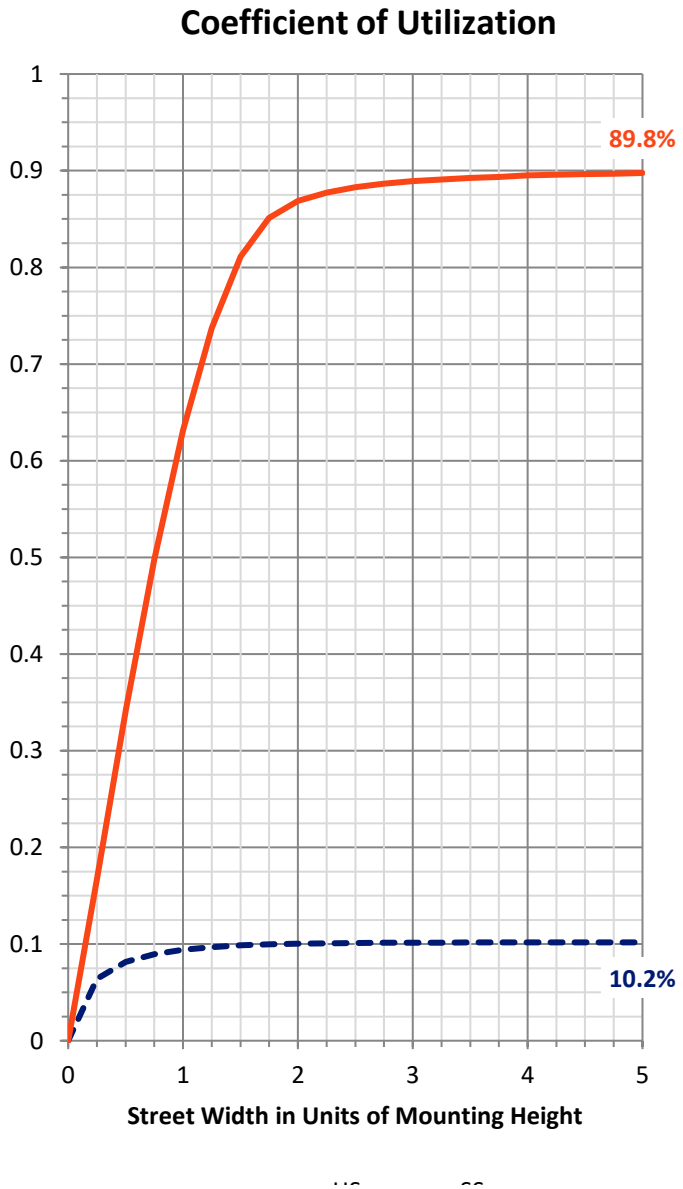
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1080.2	0.0	1080.2
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	9473.8	0.0	9473.8
	% Fixture	89.8	0.0	89.8
Total	Lumens	10554.0	0.0	10554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	1.6
10°-20°	444.8	4.2
20°-30°	703.9	6.7
30°-40°	1089.1	10.3
40°-50°	1654.2	15.7
50°-60°	2280.4	21.6
60°-70°	2409.1	22.8
70°-80°	1652.7	15.7
80°-90°	153.8	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°	10554.0	100.0
0°-180°	10554.0	100.0



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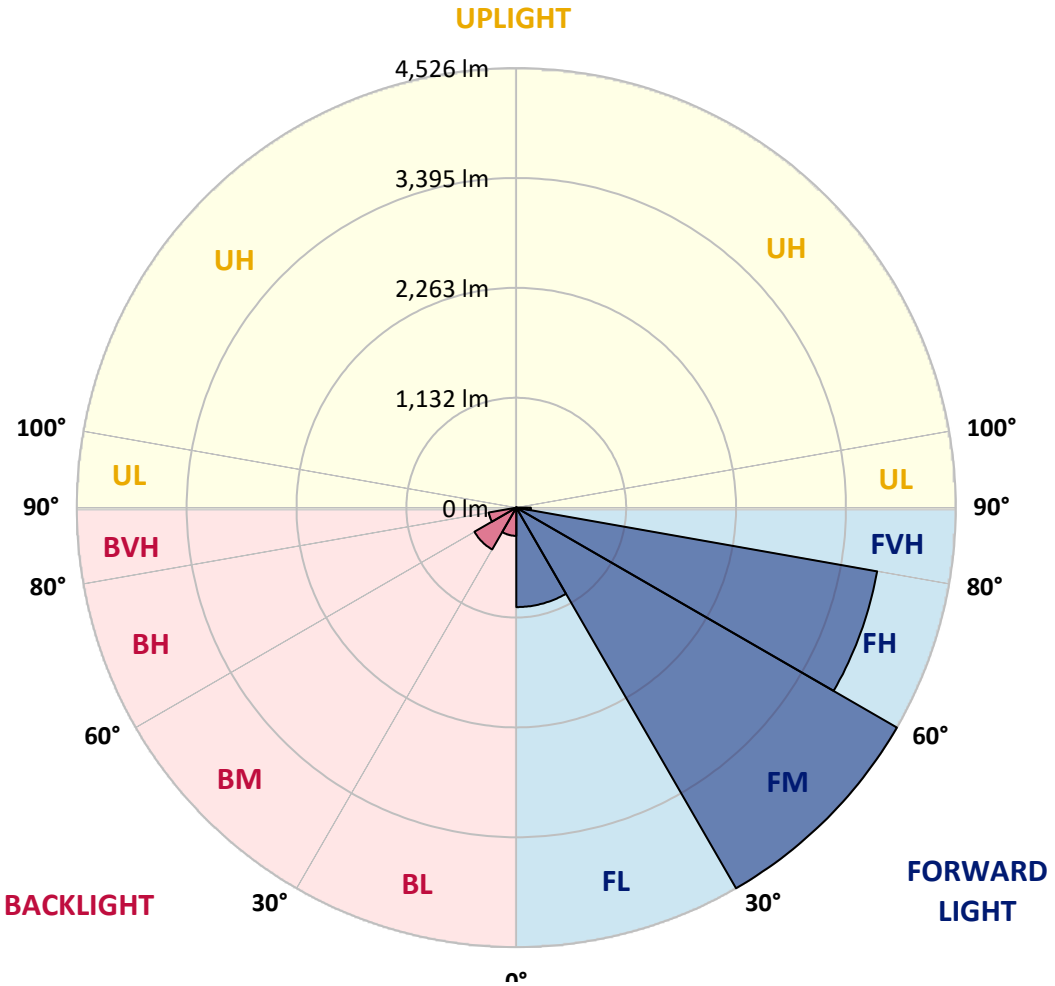
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1024.2	9.7			
FM	(30°-60°)	4526.4	42.9			
FH	(60°-80°)	3773.5	35.8			G2/5000
FVH	(80°-90°)	149.7	1.4			G2/225
BL	(0°-30°)	290.4	2.8	B1/500		
BM	(30°-60°)	497.3	4.7	B1/1000		
BH	(60°-80°)	288.4	2.7	B1/500		G1/500
BVH	(80°-90°)	4.2	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-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	*1823.8*	1823.8
2.5°	2120.3	2092.2	2097.7	2069.6	2056.6	2025.1	1992.2	1949.1	1901.2	*1901.2*	1854.6
5°	2343.4	2325.6	2325.6	2292.8	2267.5	2218.2	2159.3	2083.3	1992.9	*1984.0*	1895.7
7.5°	2480.4	2469.4	2476.3	2457.1	2436.6	2385.2	2315.4	2216.1	2088.1	*2077.1*	1944.3
10°	2507.1	2506.4	2525.6	2531.0	2544.7	2518.7	2456.4	2342.1	2181.9	*2166.1*	1986.1
12.5°	2403.7	2390.7	2437.9	2493.4	2571.4	2606.3	2574.2	2457.1	2267.5	*2245.5*	2025.1
15°	2233.9	2236.6	2281.8	2367.4	2497.5	2622.1	2663.8	2569.4	2354.4	*2328.4*	2062.1
17.5°	2136.7	2126.4	2165.4	2242.1	2385.9	2561.8	2705.6	2674.1	2446.8	*2417.4*	2099.7
20°	2125.1	2124.4	2133.3	2168.2	2277.7	2475.6	2700.8	2776.1	2555.7	*2521.4*	2153.8
22.5°	2205.8	2204.5	2196.9	2190.1	2220.2	2391.4	2680.3	2873.3	2685.8	*2648.8*	2230.5
25°	2329.8	2327.7	2316.1	2274.3	2244.9	2346.2	2661.1	2963.7	2839.8	*2798.7*	2323.6
27.5°	2481.1	2479.7	2458.5	2395.5	2319.5	2350.3	2651.5	3056.8	3017.8	*2977.4*	2431.1
30°	2666.6	2663.8	2620.0	2531.0	2431.8	2415.3	2664.5	3161.6	3203.3	*3172.5*	2555.0
32.5°	2899.4	2891.8	2834.3	2700.1	2561.2	2502.3	2689.2	3269.1	3423.1	*3394.3*	2720.7
35°	3079.4	3067.8	3034.2	2915.8	2711.1	2609.1	2746.7	3396.4	3687.4	*3662.0*	2932.2
37.5°	3234.1	3222.5	3195.1	3097.9	2926.1	2745.3	2839.1	3566.2	3999.5	*3987.2*	3190.3
40°	3401.2	3382.0	3369.0	3264.9	3109.5	2941.8	2971.2	3764.7	4359.0	*4360.3*	3500.5
42.5°	3529.9	3522.4	3523.7	3443.6	3286.9	3174.6	3146.5	3988.6	4789.6	*4802.6*	3873.6
45°	3640.1	3634.0	3659.3	3603.1	3465.5	3327.2	3351.9	4241.9	5260.6	*5287.3*	4291.2
47.5°	3725.0	3731.9	3768.1	3731.9	3651.1	3434.7	3534.0	4515.1	5755.6	*5759.0*	4722.5
50°	3809.9	3812.6	3872.9	3855.1	3822.2	3571.0	3701.7	4820.4	6277.3	*6283.4*	5125.7
52.5°	3836.6	3832.5	3928.3	3972.2	3973.5	3739.4	3918.8	5153.1	6788.7	*6808.5*	5540.6
55°	3699.7	3711.3	3866.0	4044.0	4114.6	3972.2	4211.8	5574.2	7333.6	*7341.8*	5951.4
57.5°	3030.1	3094.5	3436.8	3849.6	4205.6	4305.6	4632.8	6066.4	7962.8	*7955.3*	6367.6
60°	1838.9	1915.6	2325.0	3228.7	3908.5	4640.3	5253.1	6829.1	8650.2	*8628.9*	6788.7
62.5°	1028.3	1051.6	1182.3	1932.7	2972.6	4427.4	5859.0	7808.8	9573.0	*9501.1*	7202.9
65°	757.9	765.4	796.2	946.8	1461.0	3405.3	5726.1	8980.1	10869.7	*10741.7*	7699.2
67.5°	658.6	666.1	696.3	716.8	652.4	1788.9	4717.7	9629.8	12516.2	*12348.5*	8370.8
70°	554.5	558.6	607.3	620.9	466.9	680.5	3030.8	9429.2	14040.2	*13920.3*	9091.7
72.5°	*413.5*	*429.9*	*500.5*	*533.3*	*374.5*	*361.5*	*1426.7*	*8244.2*	*14298.3*	*14299.6*	*9043.1*
75°	280.7	295.8	376.5	438.8	288.9	253.3	575.8	6156.1	12450.5	*12450.5*	7927.2
77.5°	191.7	204.0	262.2	344.4	219.1	173.9	298.5	3907.1	8932.2	*9246.5*	5650.2
80°	84.9	92.4	169.1	249.9	166.4	112.3	169.1	2139.4	5401.6	*5335.2*	2214.7
82.5°	41.8	47.9	108.2	156.1	107.5	69.1	89.0	1017.3	1750.6	*1663.6*	345.7
85°	8.2	11.0	58.2	66.4	50.0	30.8	33.5	312.9	210.9	*241.0*	73.3
87.5°	0.0	0.0	17.8	12.3	5.5	6.8	6.8	28.1	16.4	*19.2*	19.2
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°	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8	1823.8
2.5°	1830.0	1804.7	1749.2	1694.4	1638.3	1586.9	1551.3	1515.7	1493.8	1484.3	1485.6
5°	1844.4	1793.0	1676.6	1554.8	1434.3	1316.5	1228.2	1145.4	1119.4	1076.2	1079.0
7.5°	1867.0	1783.4	1600.0	1394.6	1198.8	1026.2	901.6	802.4	762.7	724.3	723.6
10°	1882.0	1765.6	1498.6	1224.1	959.2	765.4	646.3	574.4	548.4	525.1	524.4
12.5°	1888.2	1732.8	1382.2	1033.1	746.2	583.3	512.1	478.5	469.6	461.4	461.4
15°	1893.7	1700.6	1252.2	848.9	589.5	488.1	460.1	449.1	442.9	437.5	437.5
17.5°	1898.4	1659.5	1103.6	690.1	497.7	449.8	436.1	424.5	419.7	413.5	413.5
20°	1914.9	1619.8	970.8	569.6	447.7	422.4	407.3	395.0	390.9	386.8	387.5
22.5°	1945.7	1587.6	842.1	488.1	417.6	394.3	375.2	361.5	358.7	356.0	353.9
25°	1982.7	1547.9	720.9	435.4	388.2	362.2	340.9	329.3	326.6	327.2	325.9
27.5°	2029.9	1504.1	616.8	401.9	362.2	332.0	308.1	299.2	300.5	303.3	301.9
30°	2081.9	1463.7	535.4	378.6	338.9	305.3	281.4	275.2	280.0	284.1	282.7
32.5°	2159.3	1428.1	478.5	360.1	318.3	283.4	264.3	256.7	262.2	267.7	266.3
35°	2264.7	1410.3	446.4	344.4	300.5	266.3	247.1	241.7	247.1	248.5	247.8
37.5°	2394.1	1408.9	432.7	331.4	284.1	251.9	230.7	228.7	232.8	233.5	232.1
40°	2561.2	1417.8	422.4	321.8	267.0	235.5	215.7	213.6	215.0	219.8	219.1
42.5°	2772.7	1454.8	408.0	309.4	248.5	219.1	203.3	198.5	197.9	203.3	202.6
45°	3038.3	1536.3	388.9	289.6	232.1	205.4	189.6	184.2	182.1	183.5	185.5
47.5°	3327.9	1636.2	369.7	271.1	220.4	194.4	178.7	171.8	168.4	168.4	168.4
50°	3608.6	1749.2	356.7	251.9	212.2	184.2	167.0	160.2	154.7	153.4	152.7
52.5°	3886.6	1860.1	346.4	232.8	202.6	171.2	156.1	148.6	142.4	139.7	138.3
55°	4139.9	1965.5	328.6	214.3	190.3	157.5	145.1	137.6	130.1	125.3	123.2
57.5°	4382.9	2053.2	295.8	195.1	171.2	144.5	133.5	125.3	116.4	110.2	107.5
60°	4604.1	2098.4	254.7	174.6	152.0	130.8	120.5	113.0	101.3	91.1	88.3
62.5°	4772.5	2080.6	210.2	151.3	132.1	118.4	105.4	97.9	84.2	71.9	67.1
65°	4945.0	1983.3	167.7	126.7	115.7	102.0	88.3	80.8	65.0	52.0	48.6
67.5°	5168.9	1775.9	132.1	105.4	100.0	80.8	69.1	64.4	53.4	41.1	38.3
70°	5312.6	1379.5	102.7	85.6	82.2	58.9	53.4	52.7	42.4	31.5	28.1
72.5°	*4918.3*	*904.4*	*78.7*	*65.0*	*58.9*	*38.3*	*41.1*	*41.1*	*30.8*	*21.2*	*18.5*
75°	4105.7	529.2	56.8	46.6	33.5	24.6	28.1	28.1	19.2	10.3	8.2
77.5°	2932.2	282.1	37.7	28.8	17.1	11.0	15.1	14.4	6.2	0.7	0.0
80°	1121.4	97.2	17.8	11.6	4.8	2.1	1.4	0.7	0.7	0.0	0.0
82.5°	171.2	25.3	3.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	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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(END OF REPORT)