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: P1202338

Luminaire Tested: GWC-SB1D-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:	P1202338
	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-SB1D-827-U-SL2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS 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:	7210 lumens
Efficiency:	N/A
Efficacy:	90.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

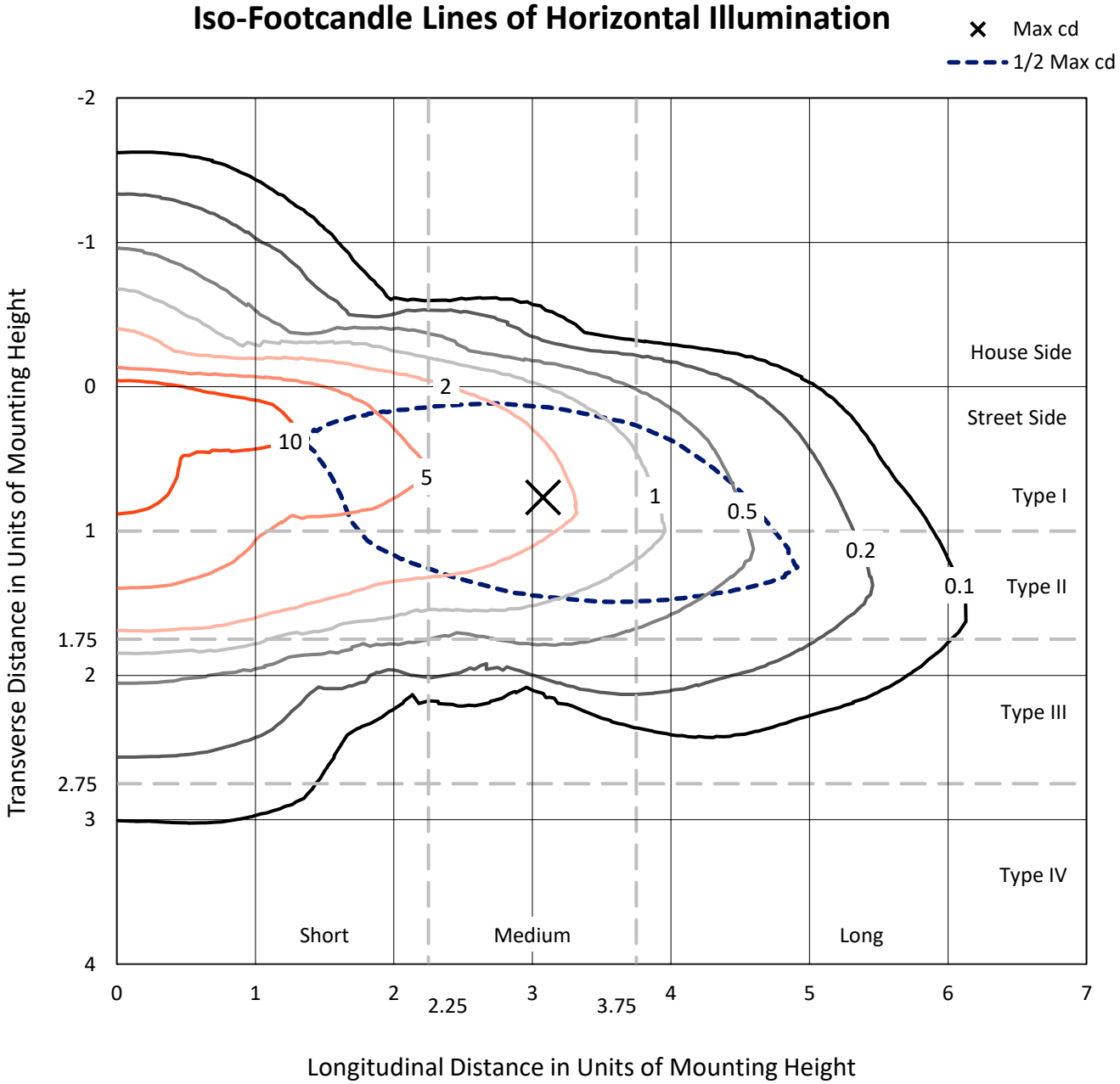


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Iso-Footcandle Lines of Horizontal Illumination



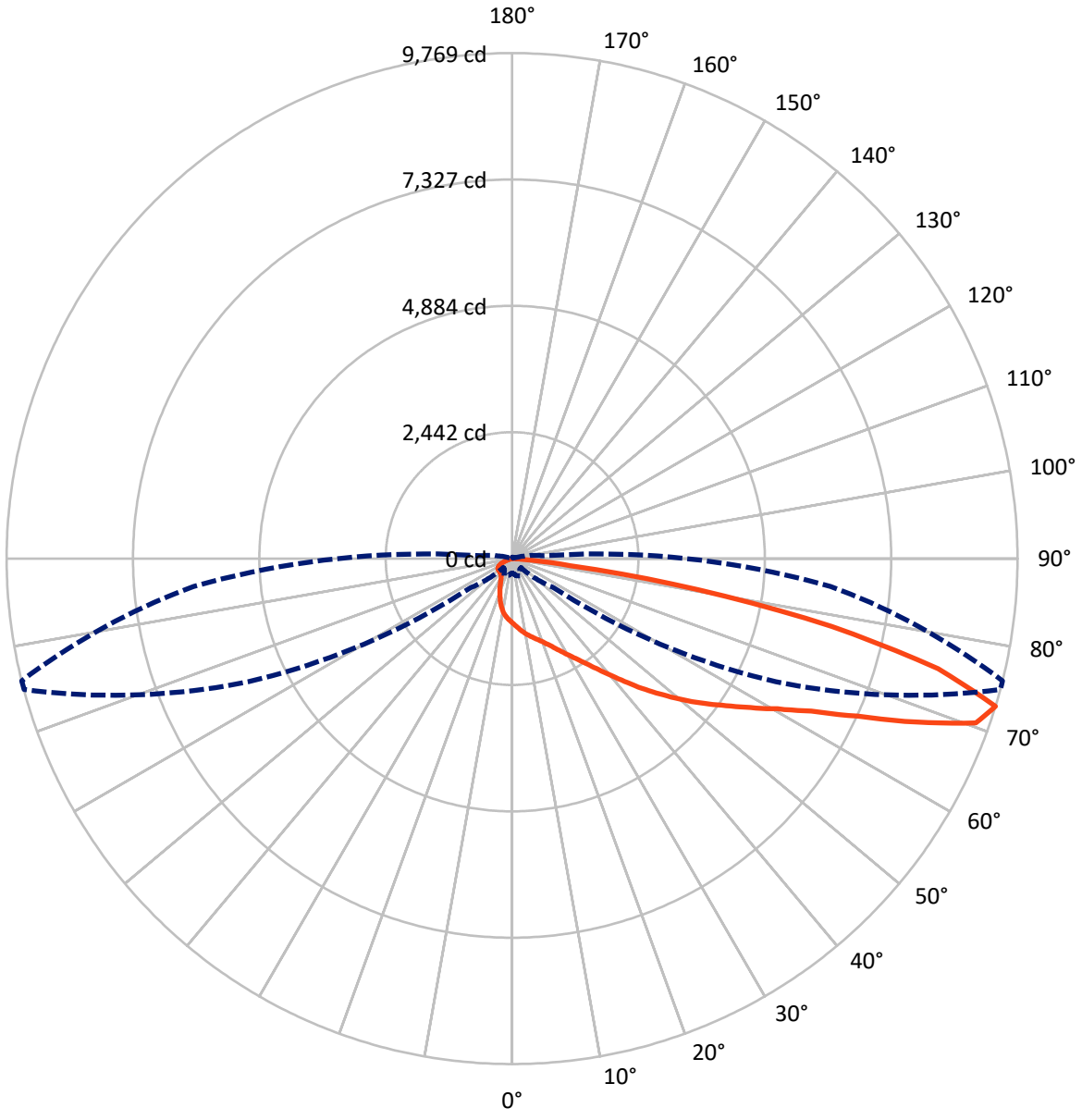
Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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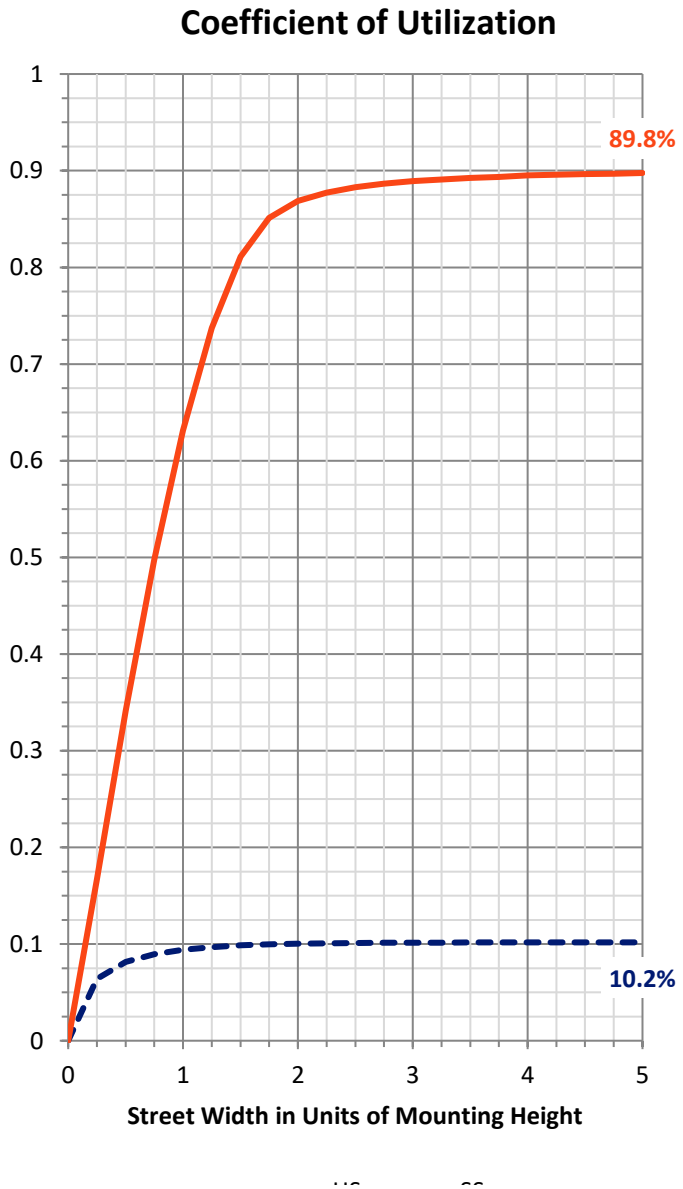
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	737.9	0.0	737.9
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	6472.1	0.0	6472.1
	% Fixture	89.8	0.0	89.8
Total	Lumens	7210.0	0.0	7210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	1.6
10°-20°	303.8	4.2
20°-30°	480.9	6.7
30°-40°	744.0	10.3
40°-50°	1130.0	15.7
50°-60°	1557.9	21.6
60°-70°	1645.8	22.8
70°-80°	1129.1	15.7
80°-90°	105.1	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°	7210.0	100.0
0°-180°	7210.0	100.0



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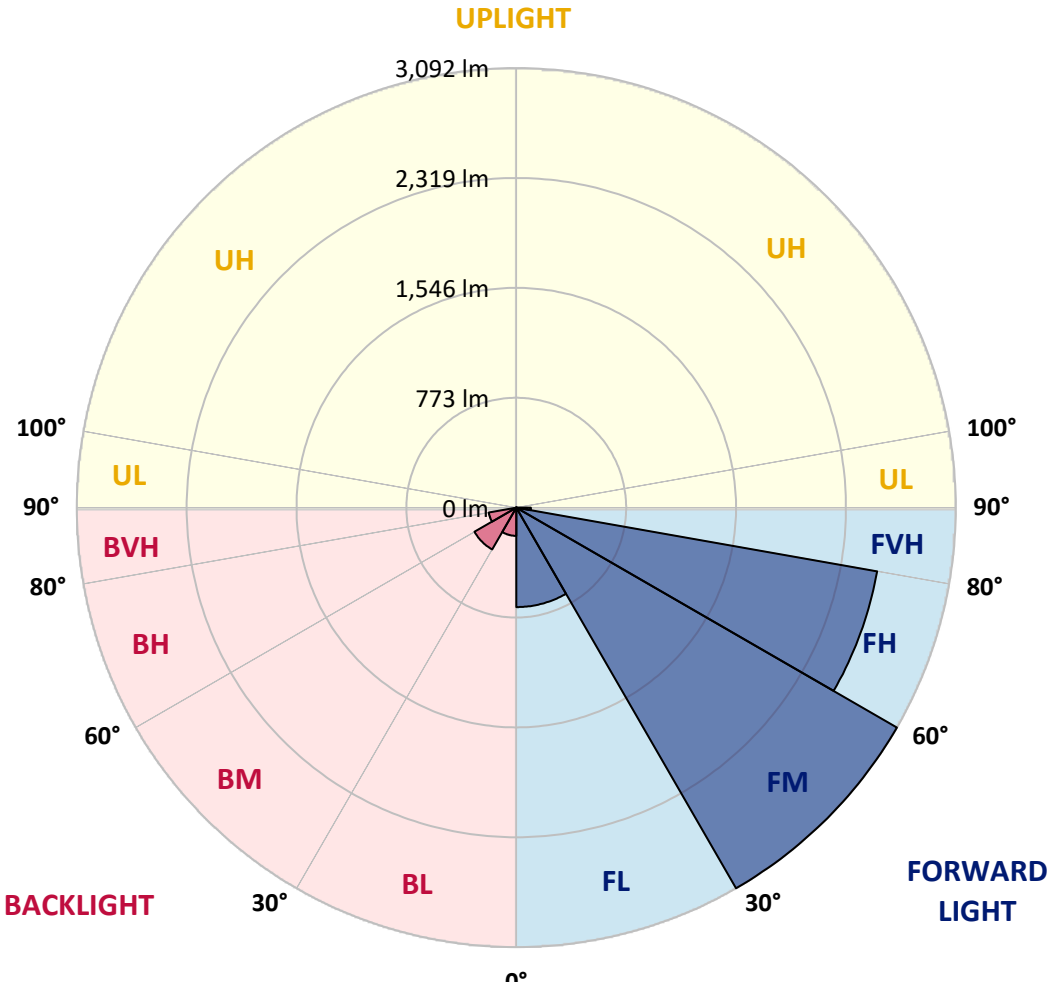
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	699.7	9.7			
FM	(30°-60°)	3092.2	42.9			
FH	(60°-80°)	2577.9	35.8			G2/5000
FVH	(80°-90°)	102.2	1.4			G2/225
BL	(0°-30°)	198.4	2.8	B1/500		
BM	(30°-60°)	339.8	4.7	B1/1000		
BH	(60°-80°)	197.0	2.7	B1/500		G1/500
BVH	(80°-90°)	2.8	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°	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	*1246.0*	1246.0
2.5°	1448.5	1429.3	1433.0	1413.9	1405.0	1383.5	1361.0	1331.5	1298.8	*1298.8*	1267.0
5°	1600.9	1588.8	1588.8	1566.3	1549.0	1515.3	1475.1	1423.2	1361.5	*1355.4*	1295.1
7.5°	1694.5	1687.0	1691.7	1678.6	1664.5	1629.5	1581.8	1513.9	1426.5	*1419.0*	1328.3
10°	1712.7	1712.2	1725.3	1729.1	1738.4	1720.7	1678.1	1600.0	1490.6	*1479.8*	1356.8
12.5°	1642.1	1633.2	1665.5	1703.4	1756.7	1780.5	1758.5	1678.6	1549.0	*1534.1*	1383.5
15°	1526.1	1528.0	1558.8	1617.3	1706.2	1791.3	1819.8	1755.3	1608.4	*1590.6*	1408.7
17.5°	1459.7	1452.7	1479.3	1531.7	1629.9	1750.1	1848.3	1826.8	1671.6	*1651.4*	1434.4
20°	1451.7	1451.3	1457.4	1481.2	1556.0	1691.2	1845.1	1896.5	1745.9	*1722.5*	1471.4
22.5°	1506.9	1506.0	1500.8	1496.2	1516.7	1633.7	1831.0	1962.9	1834.8	*1809.5*	1523.8
25°	1591.6	1590.2	1582.2	1553.7	1533.6	1602.8	1817.9	2024.7	1940.0	*1912.0*	1587.4
27.5°	1694.9	1694.0	1679.5	1636.5	1584.6	1605.6	1811.4	2088.3	2061.6	*2034.0*	1660.8
30°	1821.7	1819.8	1789.9	1729.1	1661.3	1650.0	1820.3	2159.8	2188.4	*2167.3*	1745.5
32.5°	1980.7	1975.6	1936.3	1844.6	1749.7	1709.4	1837.1	2233.3	2338.5	*2318.9*	1858.6
35°	2103.7	2095.8	2072.8	1991.9	1852.1	1782.4	1876.4	2320.3	2519.0	*2501.7*	2003.2
37.5°	2209.4	2201.5	2182.8	2116.3	1998.9	1875.5	1939.5	2436.2	2732.3	*2723.9*	2179.5
40°	2323.5	2310.4	2301.5	2230.5	2124.3	2009.7	2029.8	2571.9	2977.8	*2978.8*	2391.3
42.5°	2411.5	2406.3	2407.2	2352.5	2245.4	2168.7	2149.5	2724.8	3272.0	*3280.9*	2646.2
45°	2486.8	2482.5	2499.9	2461.5	2367.5	2273.0	2289.9	2897.9	3593.8	*3612.0*	2931.5
47.5°	2544.8	2549.4	2574.2	2549.4	2494.2	2346.4	2414.3	3084.5	3931.9	*3934.3*	3226.2
50°	2602.7	2604.6	2645.8	2633.6	2611.2	2439.5	2528.8	3293.1	4288.3	*4292.5*	3501.7
52.5°	2621.0	2618.2	2683.7	2713.6	2714.5	2554.6	2677.1	3520.4	4637.7	*4651.3*	3785.1
55°	2527.4	2535.4	2641.1	2762.7	2810.9	2713.6	2877.3	3808.0	5010.0	*5015.6*	4065.7
57.5°	2070.0	2114.0	2347.9	2629.9	2873.1	2941.4	3164.9	4144.3	5439.8	*5434.7*	4350.1
60°	1256.2	1308.6	1588.3	2205.7	2670.1	3170.1	3588.7	4665.3	5909.4	*5894.9*	4637.7
62.5°	702.5	718.4	807.7	1320.3	2030.8	3024.6	4002.6	5334.6	6539.8	*6490.7*	4920.7
65°	517.7	522.9	543.9	646.8	998.1	2326.3	3911.8	6134.8	7425.7	*7338.2*	5259.7
67.5°	449.9	455.1	475.7	489.7	445.7	1222.1	3222.9	6578.7	8550.5	*8435.9*	5718.6
70°	378.8	381.6	414.8	424.2	319.0	464.9	2070.5	6441.6	9591.6	*9509.7*	6211.0
72.5°	*282.5*	*293.7*	*341.9*	*364.3*	*255.8*	*246.9*	*974.7*	*5632.0*	*9767.9*	*9768.8*	*6177.8*
75°	191.8	202.0	257.2	299.8	197.4	173.0	393.3	4205.6	8505.6	*8505.6*	5415.5
77.5°	131.0	139.4	179.1	235.3	149.7	118.8	203.9	2669.2	6102.1	*6316.7*	3859.9
80°	58.0	63.1	115.5	170.7	113.7	76.7	115.5	1461.6	3690.1	*3644.8*	1513.0
82.5°	28.5	32.7	73.9	106.6	73.4	47.2	60.8	695.0	1195.9	*1136.5*	236.2
85°	5.6	7.5	39.8	45.4	34.1	21.0	22.9	213.7	144.1	*164.6*	50.0
87.5°	0.0	0.0	12.2	8.4	3.7	4.7	4.7	19.2	11.2	*13.1*	13.1
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°	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0	1246.0
2.5°	1250.2	1232.9	1195.0	1157.6	1119.2	1084.1	1059.8	1035.5	1020.5	1014.0	1014.9
5°	1260.0	1224.9	1145.4	1062.1	979.8	899.4	839.1	782.5	764.7	735.2	737.1
7.5°	1275.4	1218.4	1093.0	952.7	818.9	701.1	616.0	548.1	521.0	494.8	494.4
10°	1285.7	1206.2	1023.8	836.2	655.2	522.9	441.5	392.4	374.6	358.7	358.3
12.5°	1289.9	1183.7	944.3	705.8	509.8	398.5	349.8	326.9	320.8	315.2	315.2
15°	1293.7	1161.8	855.4	579.9	402.7	333.5	314.3	306.8	302.6	298.9	298.9
17.5°	1296.9	1133.7	753.9	471.4	340.0	307.3	297.9	290.0	286.7	282.5	282.5
20°	1308.2	1106.6	663.2	389.1	305.9	288.6	278.3	269.9	267.1	264.3	264.7
22.5°	1329.2	1084.6	575.3	333.5	285.3	269.4	256.3	246.9	245.1	243.2	241.8
25°	1354.5	1057.5	492.5	297.5	265.2	247.4	232.9	225.0	223.1	223.6	222.6
27.5°	1386.7	1027.5	421.4	274.5	247.4	226.8	210.5	204.4	205.3	207.2	206.3
30°	1422.3	999.9	365.7	258.6	231.5	208.6	192.2	188.0	191.3	194.1	193.2
32.5°	1475.1	975.6	326.9	246.0	217.5	193.6	180.5	175.4	179.1	182.9	181.9
35°	1547.1	963.5	304.9	235.3	205.3	181.9	168.8	165.1	168.8	169.8	169.3
37.5°	1635.5	962.5	295.6	226.4	194.1	172.1	157.6	156.2	159.0	159.5	158.6
40°	1749.7	968.6	288.6	219.8	182.4	160.9	147.3	145.9	146.9	150.1	149.7
42.5°	1894.2	993.9	278.7	211.4	169.8	149.7	138.9	135.6	135.2	138.9	138.4
45°	2075.6	1049.5	265.7	197.8	158.6	140.3	129.6	125.8	124.4	125.3	126.7
47.5°	2273.5	1117.8	252.6	185.2	150.6	132.8	122.1	117.4	115.1	115.1	115.1
50°	2465.2	1195.0	243.7	172.1	145.0	125.8	114.1	109.4	105.7	104.8	104.3
52.5°	2655.1	1270.7	236.7	159.0	138.4	116.9	106.6	101.5	97.3	95.4	94.5
55°	2828.2	1342.8	224.5	146.4	130.0	107.6	99.2	94.0	88.9	85.6	84.2
57.5°	2994.2	1402.6	202.0	133.3	116.9	98.7	91.2	85.6	79.5	75.3	73.4
60°	3145.3	1433.5	174.0	119.3	103.8	89.3	82.3	77.2	69.2	62.2	60.3
62.5°	3260.3	1421.3	143.6	103.4	90.3	80.9	72.0	66.9	57.5	49.1	45.8
65°	3378.2	1354.9	114.6	86.5	79.0	69.7	60.3	55.2	44.4	35.5	33.2
67.5°	3531.1	1213.2	90.3	72.0	68.3	55.2	47.2	44.0	36.5	28.1	26.2
70°	3629.3	942.4	70.2	58.5	56.1	40.2	36.5	36.0	29.0	21.5	19.2
72.5°	*3360.0*	*617.8*	*53.8*	*44.4*	*40.2*	*26.2*	*28.1*	*28.1*	*21.0*	*14.5*	*12.6*
75°	2804.8	361.5	38.8	31.8	22.9	16.8	19.2	19.2	13.1	7.0	5.6
77.5°	2003.2	192.7	25.7	19.6	11.7	7.5	10.3	9.8	4.2	0.5	0.0
80°	766.1	66.4	12.2	8.0	3.3	1.4	0.9	0.5	0.5	0.0	0.0
82.5°	116.9	17.3	2.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	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)