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: P1202353

Luminaire Tested: GWC-SB1D-827-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202353
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-827-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8793 lumens
Efficiency:	N/A
Efficacy:	110.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

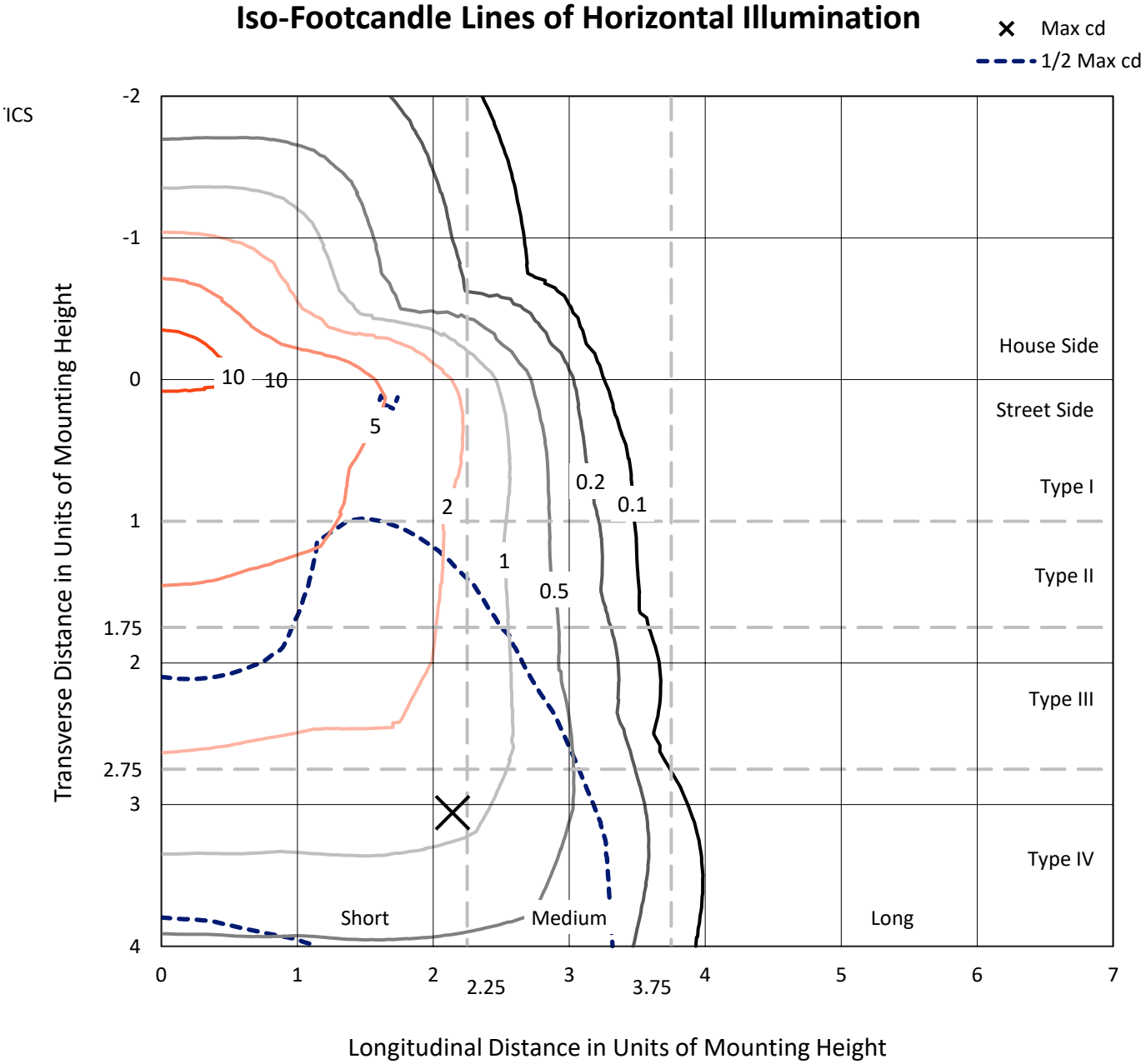


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Iso-Footcandle Lines of Horizontal Illumination



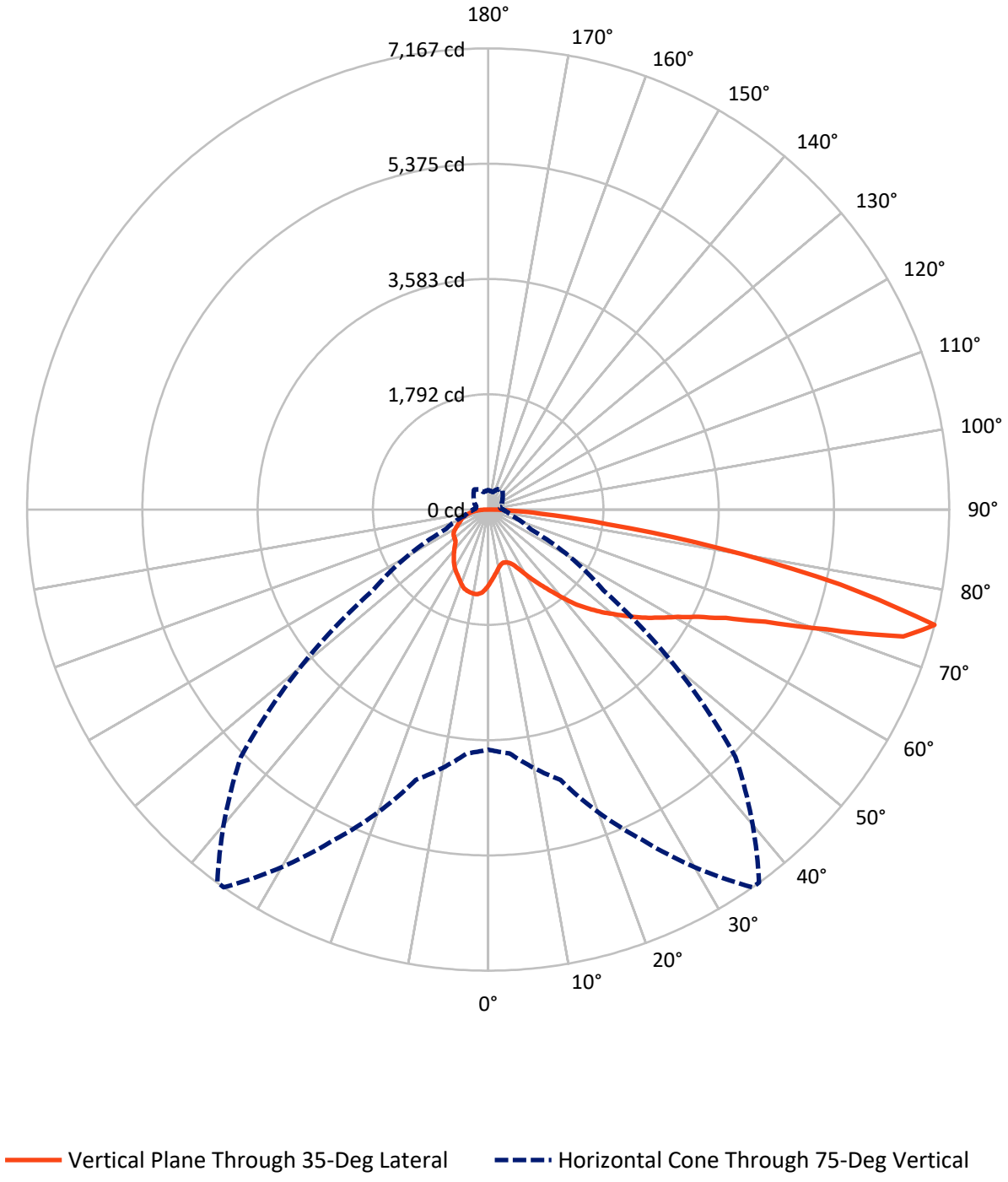
Based on 10 foot mounting height. Maximum calculated value = 13 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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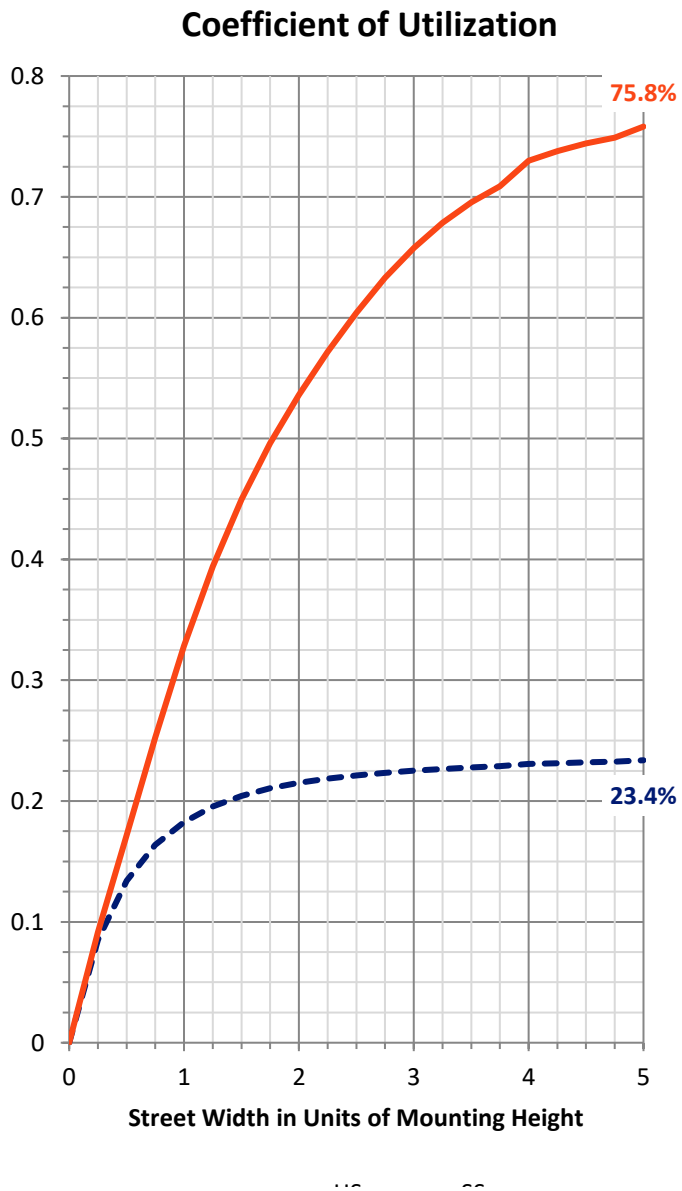
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2092.5	0.0	2092.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	6700.5	0.0	6700.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	8793.0	0.0	8793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	1.3
10°-20°	320.0	3.6
20°-30°	537.4	6.1
30°-40°	835.1	9.5
40°-50°	1239.6	14.1
50°-60°	1711.3	19.5
60°-70°	2076.2	23.6
70°-80°	1715.8	19.5
80°-90°	246.8	2.8
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°	8793.0	100.0
0°-180°	8793.0	100.0



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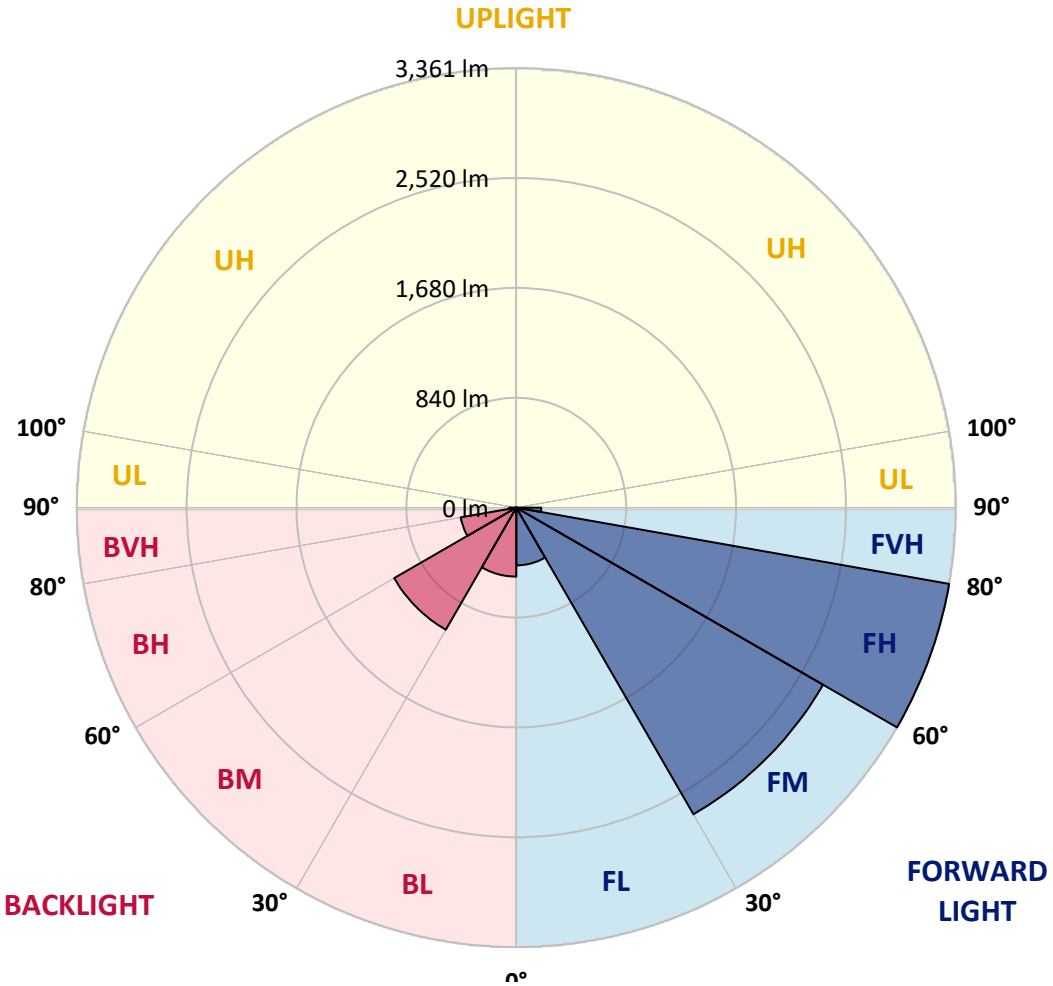
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	441.0	5.0			
FM	(30°-60°)	2707.8	30.8			
FH	(60°-80°)	3360.6	38.2			G2/5000
FVH	(80°-90°)	191.2	2.2			G2/225
BL	(0°-30°)	527.3	6.0	B2/1000		
BM	(30°-60°)	1078.2	12.3	B2/2500		
BH	(60°-80°)	431.4	4.9	B1/500		G1/500
BVH	(80°-90°)	55.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1171.7	1171.7	1171.7	1171.7	*1171.7*	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7
2.5°	1080.5	1087.1	1090.0	1088.5	*1095.7*	1094.7	1104.7	1117.1	1134.2	1150.8	1175.1
5°	997.3	1004.4	1010.6	1016.3	*1030.1*	1034.4	1050.0	1073.8	1105.2	1137.0	1177.0
7.5°	919.8	926.0	935.5	945.9	*969.2*	973.5	999.7	1036.7	1080.5	1127.0	1182.2
10°	856.6	862.8	872.7	884.6	*913.6*	918.8	952.1	1001.6	1058.6	1117.5	1187.9
12.5°	829.5	831.4	837.1	849.0	*874.2*	877.5	914.1	970.7	1037.2	1110.4	1196.4
15°	828.1	831.9	832.3	838.5	*859.4*	860.9	894.6	950.7	1023.9	1109.0	1209.3
17.5°	842.3	845.2	840.9	844.7	*862.3*	864.7	891.3	941.2	1019.6	1115.2	1231.1
20°	880.3	882.7	869.9	864.7	*877.5*	879.4	905.5	947.4	1023.9	1128.0	1261.1
22.5°	961.1	962.6	931.2	909.8	*910.8*	911.7	934.5	972.6	1040.5	1151.3	1299.1
25°	1087.1	1086.2	1036.3	994.9	*971.1*	965.9	981.1	1013.4	1068.6	1182.2	1348.1
27.5°	1234.5	1227.3	1177.4	1115.6	*1063.8*	1056.2	1052.9	1066.7	1108.5	1223.1	1408.0
30°	1400.8	1394.2	1340.5	1259.7	*1187.9*	1175.5	1144.2	1137.0	1167.9	1278.7	1491.2
32.5°	1583.4	1579.1	1514.9	1417.0	*1321.0*	1306.7	1254.0	1234.9	1259.2	1362.8	1607.1
35°	1736.4	1732.6	1679.4	1578.6	*1461.2*	1443.6	1389.9	1368.5	1380.9	1470.7	1758.8
37.5°	1874.8	1872.9	1827.2	1747.8	*1626.6*	1605.2	1544.9	1537.7	1535.4	1612.8	1942.7
40°	2003.1	1998.4	1950.8	1909.0	*1819.1*	1799.7	1746.4	1740.2	1722.2	1787.8	2150.9
42.5°	2145.2	2132.9	2064.0	2044.5	*2020.2*	2004.1	1972.2	1973.2	1933.2	1985.0	2371.5
45°	2261.2	2254.1	2183.3	2171.9	*2198.0*	2191.3	2218.9	2226.0	2148.6	2191.8	2600.6
47.5°	2385.8	2379.1	2319.2	2311.1	*2382.0*	2383.9	2481.3	2483.7	2358.7	2406.7	2830.2
50°	2539.3	2529.8	2470.4	2480.4	*2559.7*	2566.9	2745.1	2729.0	2552.1	2624.9	3057.9
52.5°	2640.5	2646.2	2633.4	2649.6	*2758.0*	2764.6	3004.7	2963.3	2743.7	2840.2	3281.3
55°	2715.2	2726.6	2766.5	2803.6	*2967.1*	2973.8	3249.5	3186.2	2902.5	3039.8	3491.4
57.5°	2811.2	2795.0	2869.7	2941.9	*3165.8*	3183.4	3487.6	3401.1	3043.2	3211.9	3635.4
60°	2949.0	2937.6	2995.6	3102.6	*3388.3*	3416.3	3739.5	3594.6	3146.3	3348.3	3663.5
62.5°	3228.5	3200.0	3209.1	3303.7	*3668.7*	3705.8	4023.8	3763.3	3197.6	3401.6	3513.3
65°	3646.4	3597.4	3551.8	3617.4	*4063.7*	4100.3	4344.7	3895.9	3178.6	3298.4	3114.5
67.5°	4172.6	4124.1	4068.0	4129.8	*4645.6*	4674.5	4740.6	3970.6	3028.9	2901.0	2409.5
70°	4606.6	4588.5	4655.5	4909.8	*5574.9*	5575.8	5248.3	3908.8	2618.7	2056.8	1394.2
72.5°	4549.1	4538.1	4891.3	5677.5	*6746.1*	6720.9	5728.9	3441.0	1764.0	927.9	522.4
75°	*3731.9*	*3802.8*	*4349.9*	*5663.7*	*7166.8*	*7163.5*	*5434.6*	*2187.5*	*729.7*	*384.6*	*270.0*
77.5°	2001.2	2113.4	2824.0	4181.6	*5594.8*	5679.0	3820.8	765.3	313.3	246.2	186.8
80°	652.6	750.6	1125.6	2129.1	*3635.4*	3619.8	1637.6	300.4	214.4	174.5	129.3
82.5°	277.1	288.5	502.9	1005.4	*1865.7*	1836.7	521.5	172.6	150.7	119.3	79.9
85°	108.4	121.2	222.0	464.9	*808.1*	790.5	188.2	85.6	96.5	78.0	47.5
87.5°	35.7	43.3	79.4	159.2	*251.5*	242.4	46.1	29.5	41.8	35.7	17.1
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°	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7
2.5°	1181.7	1189.3	1198.3	1211.7	1223.1	1232.6	1242.6	1248.7	1251.1	1258.2	1257.8
5°	1190.3	1206.9	1229.2	1251.1	1272.5	1285.3	1296.7	1302.4	1307.7	1311.5	1312.4
7.5°	1204.5	1225.9	1261.1	1289.6	1307.7	1318.1	1325.7	1323.8	1325.7	1326.7	1328.1
10°	1216.9	1246.8	1288.7	1315.8	1329.5	1330.0	1328.1	1321.5	1318.1	1318.6	1319.6
12.5°	1231.6	1264.9	1310.1	1332.9	1336.7	1326.2	1318.1	1306.7	1302.4	1300.5	1299.6
15°	1251.6	1289.6	1333.3	1341.9	1332.4	1319.1	1305.3	1286.8	1277.3	1269.6	1272.0
17.5°	1275.8	1317.7	1351.4	1345.2	1324.8	1302.9	1280.6	1252.5	1233.0	1225.0	1225.4
20°	1309.6	1347.1	1365.2	1338.1	1307.2	1273.9	1235.9	1201.7	1183.6	1175.5	1174.6
22.5°	1350.5	1386.6	1378.5	1325.7	1282.0	1228.8	1181.2	1156.0	1147.0	1141.3	1142.3
25°	1399.4	1430.3	1388.0	1307.7	1240.7	1168.9	1132.3	1124.2	1119.9	1115.6	1115.6
27.5°	1463.1	1479.8	1395.1	1281.1	1176.0	1105.2	1091.9	1093.3	1091.9	1084.7	1086.2
30°	1547.2	1543.9	1401.8	1237.8	1101.9	1047.7	1048.6	1054.8	1055.7	1051.0	1053.4
32.5°	1658.0	1624.3	1405.1	1181.7	1031.0	997.3	998.2	1004.9	1009.6	1001.6	1005.4
35°	1792.1	1717.9	1399.9	1111.4	976.4	949.3	942.1	944.0	945.5	937.9	943.1
37.5°	1948.4	1823.0	1376.6	1033.4	931.2	902.2	887.0	874.2	866.6	859.4	864.2
40°	2120.0	1937.5	1333.8	957.3	880.8	852.3	829.5	805.2	779.6	770.1	774.3
42.5°	2299.7	2055.4	1282.0	884.6	822.8	799.5	775.3	740.1	701.6	682.1	684.5
45°	2486.1	2176.1	1231.1	812.8	763.4	753.4	725.4	683.1	641.2	616.5	614.6
47.5°	2668.6	2290.2	1156.5	740.6	707.8	718.7	696.9	657.9	611.3	572.3	568.0
50°	2843.0	2397.2	1034.4	667.4	662.6	708.3	687.3	631.3	578.0	528.1	523.8
52.5°	3016.1	2483.7	878.0	600.8	638.4	705.4	675.0	613.2	548.1	495.8	490.1
55°	3162.9	2528.4	727.3	543.8	603.2	681.2	660.3	591.8	505.8	450.2	445.4
57.5°	3246.6	2492.2	601.8	487.7	554.7	641.2	635.1	546.2	455.4	412.6	406.9
60°	3210.5	2345.8	499.1	438.7	508.6	598.0	591.3	501.0	416.9	376.5	370.8
62.5°	3011.3	2066.8	417.8	396.0	466.8	553.8	547.6	466.3	387.4	348.4	342.2
65°	2610.1	1681.3	354.6	360.3	424.5	500.5	509.6	437.3	364.1	326.1	319.9
67.5°	1990.7	1217.8	305.2	329.4	383.1	448.3	474.4	416.4	344.6	308.5	302.8
70°	1134.6	691.6	263.3	299.5	346.5	399.8	447.3	399.8	323.7	293.8	290.0
72.5°	430.2	317.5	227.7	269.5	311.4	358.9	417.4	373.6	299.5	277.1	273.3
75°	*229.6*	*193.5*	*191.6*	*234.3*	*270.9*	*319.0*	*379.8*	*348.0*	*281.4*	*292.8*	*302.3*
77.5°	156.4	136.9	160.2	200.6	226.7	274.7	339.9	309.0	243.9	242.9	223.9
80°	108.4	97.0	130.2	161.6	175.4	231.0	296.6	265.2	198.7	185.4	177.3
82.5°	65.1	63.2	97.4	120.7	124.1	178.3	245.8	222.5	162.6	141.7	142.6
85°	35.7	37.6	62.3	70.8	72.3	124.5	192.5	172.1	125.0	105.1	106.0
87.5°	10.0	12.8	22.8	28.0	34.7	64.6	114.6	102.2	62.7	43.7	43.7
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)