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: P1202343

Luminaire Tested: GWC-SB1D-827-U-SL4

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202343
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-827-U-SL4
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8818 lumens
Efficiency:	N/A
Efficacy:	110.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B2 - U0 - G3

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

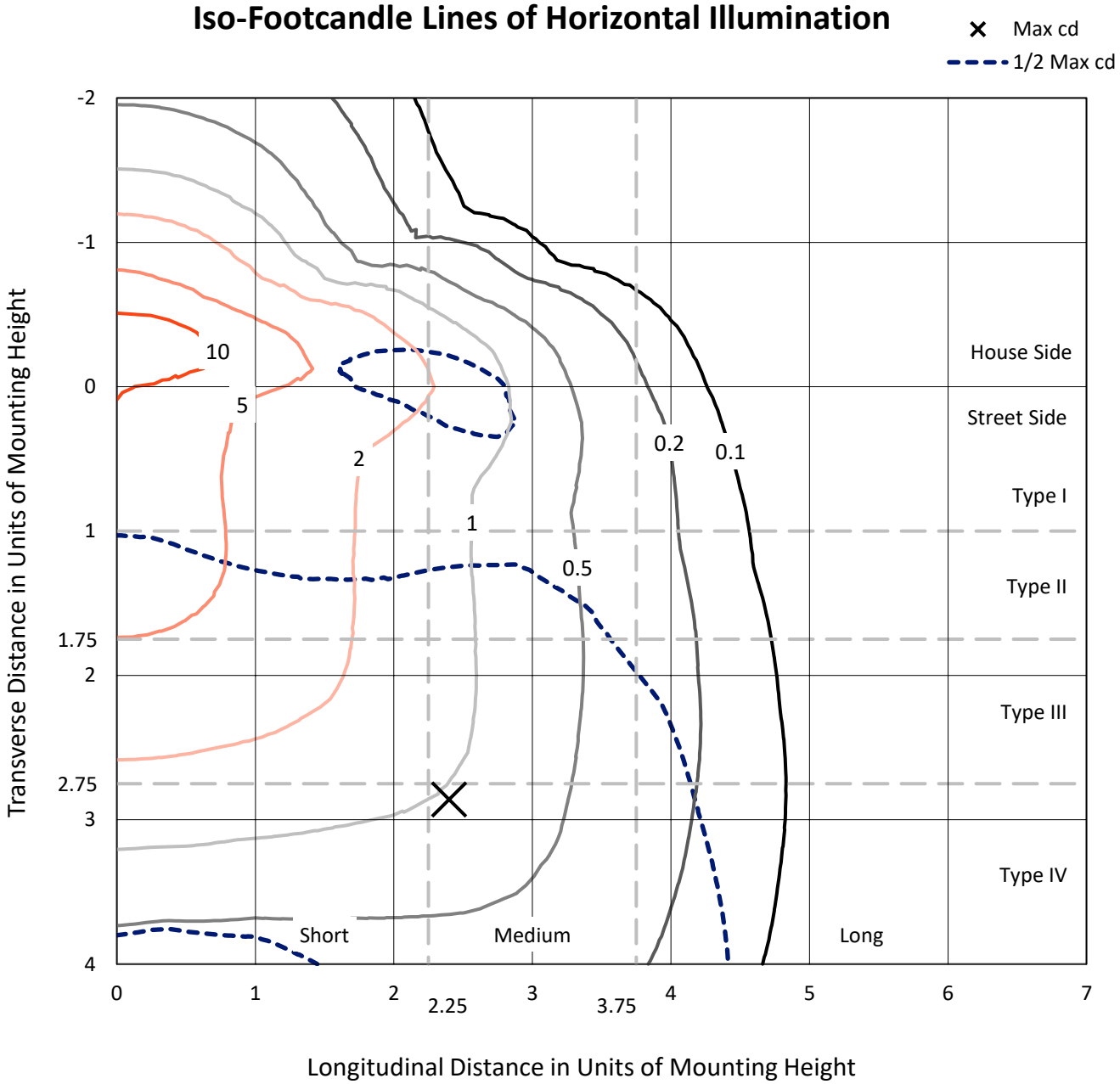


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Iso-Footcandle Lines of Horizontal Illumination



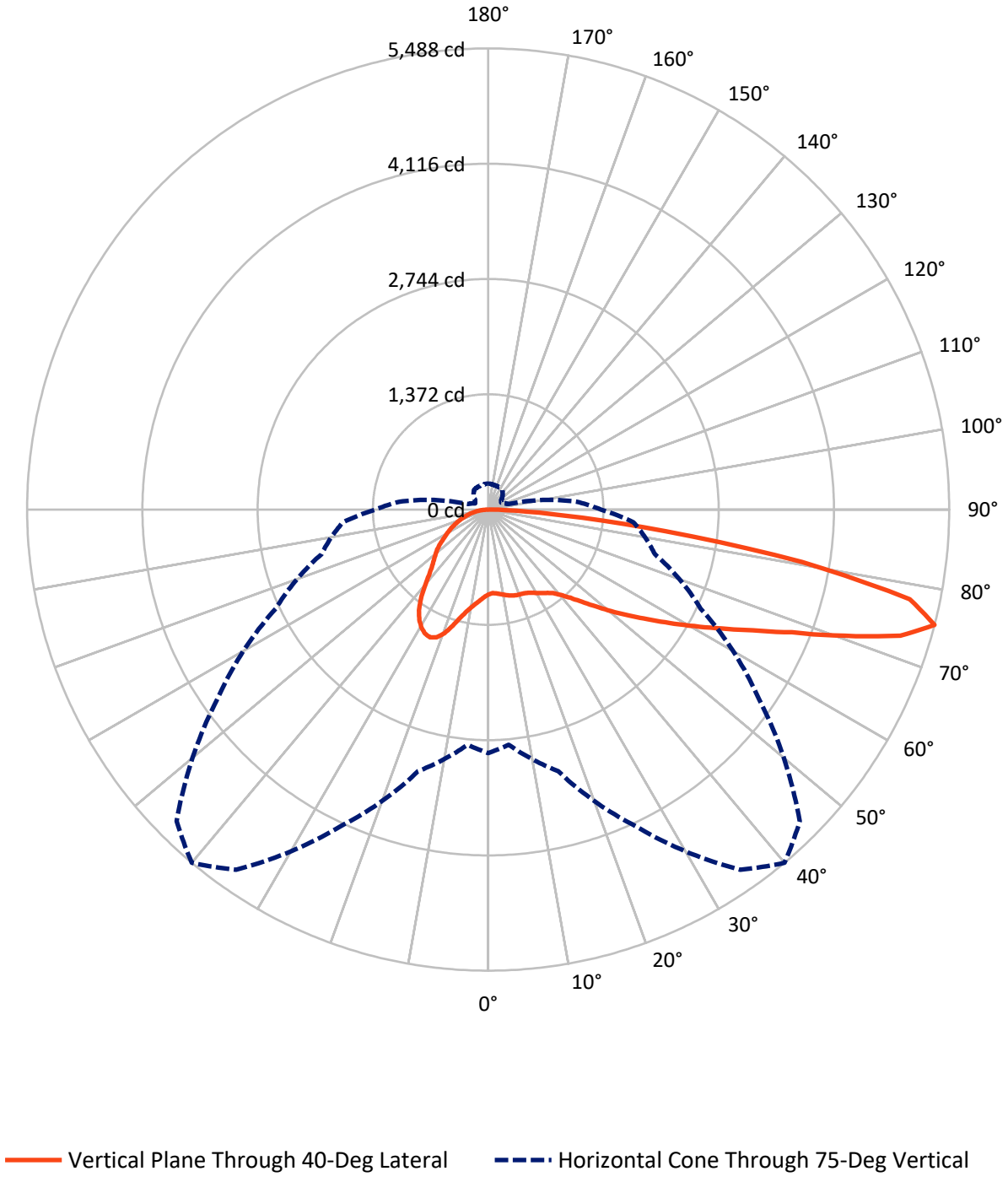
Based on 10 foot mounting height. Maximum calculated value = 13 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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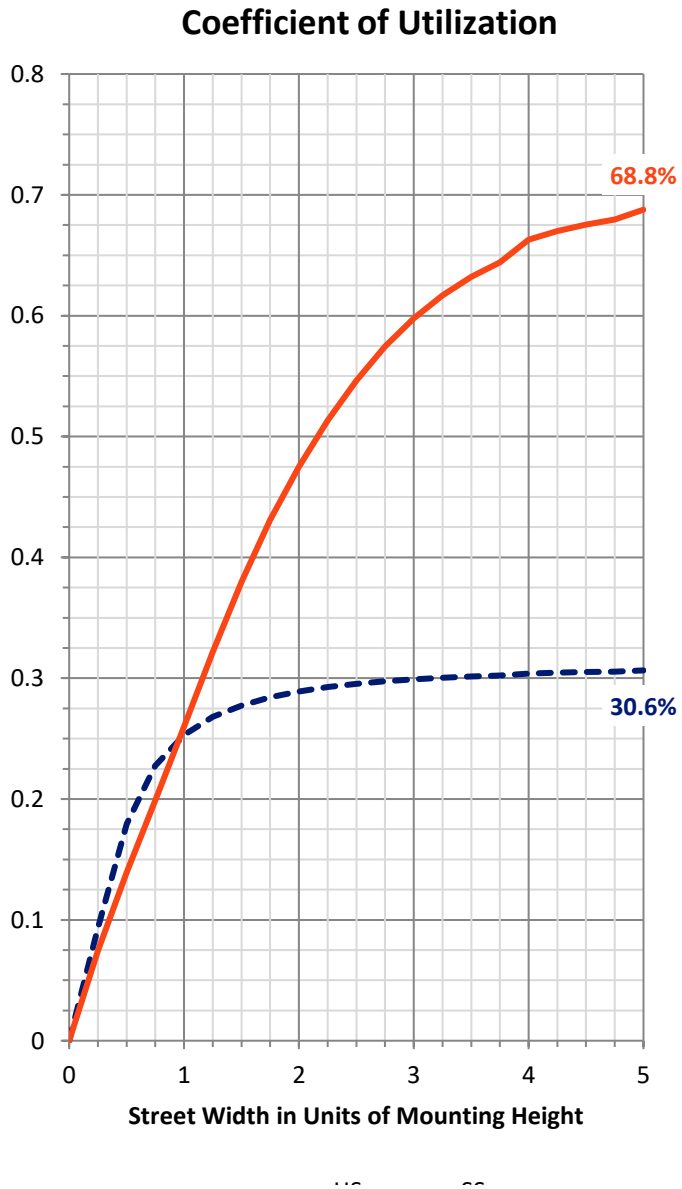
REPORT NUMBER: P1202343
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2732.1	0.0	2732.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	6085.9	0.0	6085.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	8818.0	0.0	8818.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.1
10°-20°	337.9	3.8
20°-30°	617.0	7.0
30°-40°	875.1	9.9
40°-50°	1181.7	13.4
50°-60°	1589.7	18.0
60°-70°	2017.7	22.9
70°-80°	1831.2	20.8
80°-90°	266.9	3.0
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°	8818.0	100.0
0°-180°	8818.0	100.0



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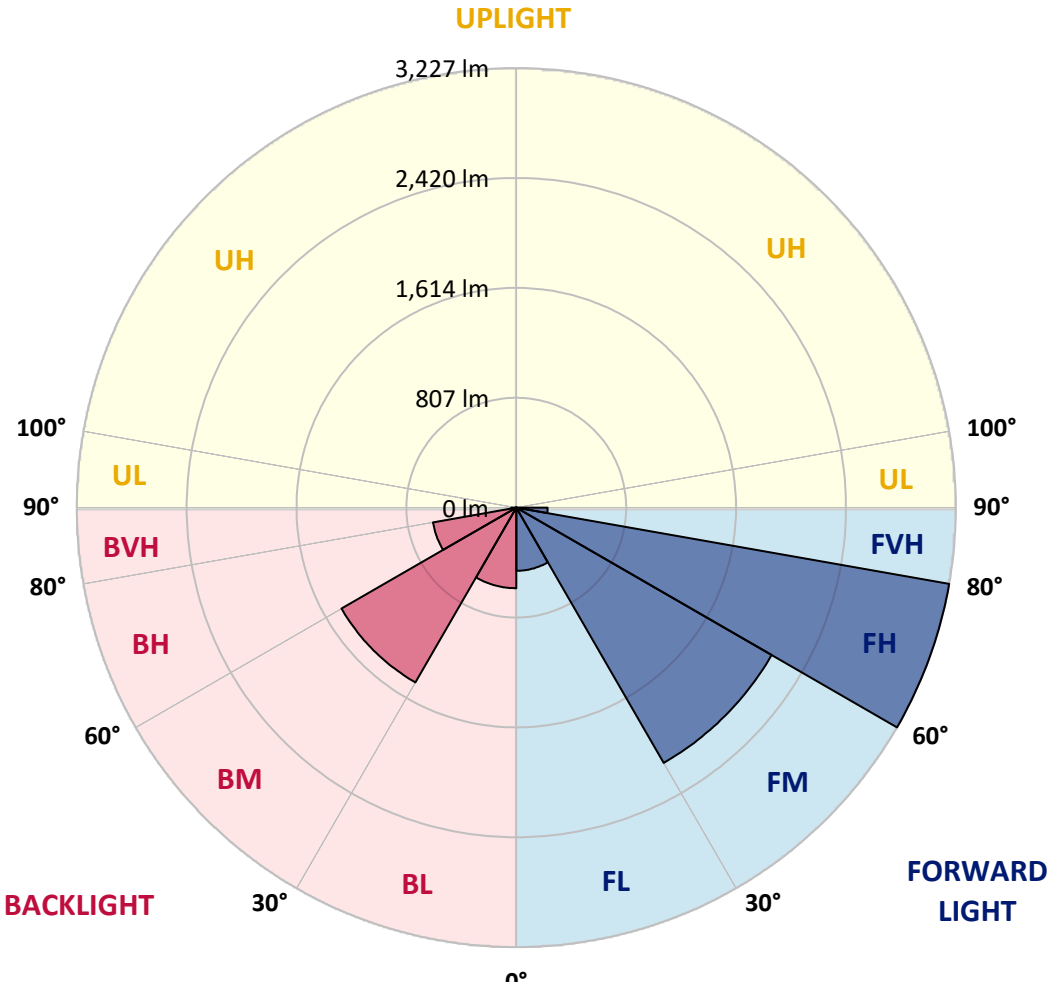
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	463.8	5.3			
FM	(30°-60°)	2164.6	24.5			
FH	(60°-80°)	3227.3	36.6			G2/5000
FVH	(80°-90°)	230.2	2.6			G3/500
BL	(0°-30°)	591.8	6.7	B2/1000		
BM	(30°-60°)	1481.9	16.8	B2/2500		
BH	(60°-80°)	621.6	7.0	B2/1000		G2/1000
BVH	(80°-90°)	36.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1008.4	1008.4	1008.4	1008.4	1008.4	*1008.4*	1008.4	1008.4	1008.4	1008.4	1008.4
2.5°	992.9	998.5	997.1	995.3	995.3	*995.7*	995.3	998.5	1001.8	1005.1	1010.2
5°	1003.2	1008.8	1006.0	1003.7	1001.8	*1001.3*	999.9	999.5	1001.3	1005.5	1012.6
7.5°	1023.3	1028.9	1024.7	1020.5	1016.8	*1014.9*	1013.0	1010.2	1008.8	1011.2	1021.0
10°	1045.8	1051.4	1046.2	1038.8	1032.7	*1030.3*	1028.5	1025.7	1023.8	1025.2	1035.9
12.5°	1068.2	1073.8	1066.8	1056.5	1048.6	*1047.2*	1044.8	1043.9	1043.4	1043.0	1053.7
15°	1089.3	1093.9	1085.1	1072.9	1064.5	*1062.1*	1059.8	1061.2	1063.5	1066.3	1078.5
17.5°	1105.6	1110.3	1097.2	1081.3	1073.4	*1072.4*	1071.0	1075.7	1082.2	1089.3	1104.2
20°	1120.6	1125.3	1108.4	1086.9	1077.6	*1077.6*	1078.0	1087.9	1097.2	1107.5	1128.1
22.5°	1141.6	1145.4	1124.8	1095.3	1081.8	*1082.7*	1086.5	1096.3	1108.0	1122.0	1150.5
25°	1173.0	1175.8	1150.5	1111.2	1095.8	*1098.6*	1101.9	1106.6	1117.8	1134.2	1172.5
27.5°	1223.5	1225.8	1192.6	1139.3	1115.9	*1120.6*	1125.3	1122.0	1127.1	1141.2	1190.3
30°	1294.6	1296.0	1253.9	1183.3	1150.1	*1152.4*	1153.3	1139.8	1130.0	1141.2	1202.9
32.5°	1378.8	1378.3	1328.3	1236.6	1188.9	*1186.5*	1178.6	1151.9	1129.0	1138.8	1214.1
35°	1509.3	1504.1	1439.6	1311.4	1232.8	*1218.3*	1199.6	1165.5	1133.7	1136.5	1224.0
37.5°	1725.3	1709.4	1620.1	1434.0	1298.3	*1261.4*	1233.8	1187.5	1144.0	1135.6	1235.6
40°	1969.0	1948.9	1850.7	1601.9	1396.5	*1337.1*	1292.7	1218.8	1160.8	1139.8	1253.0
42.5°	2258.0	2229.5	2123.8	1799.7	1520.9	*1434.9*	1368.0	1258.6	1185.6	1153.3	1276.3
45°	2613.0	2575.1	2425.5	2022.8	1677.6	*1563.0*	1473.7	1318.9	1223.5	1179.5	1311.4
47.5°	2971.7	2981.1	2768.3	2278.1	1865.6	*1721.1*	1606.1	1409.6	1278.7	1221.6	1368.0
50°	3352.9	3359.5	3109.2	2561.1	2078.9	*1899.8*	1754.8	1511.1	1355.4	1281.5	1452.7
52.5°	3650.4	3651.3	3418.8	2857.1	2301.1	*2096.2*	1915.2	1627.1	1444.2	1361.0	1565.4
55°	3836.5	3834.2	3635.9	3137.3	2556.4	*2302.5*	2092.9	1759.0	1552.7	1454.5	1707.1
57.5°	3971.7	3964.6	3785.5	3378.2	2828.6	*2546.1*	2294.0	1908.7	1680.9	1565.8	1893.7
60°	4023.1	4018.9	3887.0	3586.3	3114.8	*2815.5*	2526.0	2076.1	1826.3	1697.3	2133.6
62.5°	4042.8	4050.7	3986.6	3787.9	3421.2	*3113.9*	2780.9	2276.3	1990.0	1846.0	2386.6
65°	4112.0	4126.5	4113.4	4051.6	3767.3	*3463.3*	3119.1	2514.3	2168.7	2005.5	2650.9
67.5°	4249.0	4263.5	4269.1	4367.3	4190.1	*3898.7*	3540.9	2810.8	2377.8	2171.0	2849.7
70°	4245.7	4241.5	4340.7	4618.5	4719.5	*4501.6*	4109.6	3175.6	2627.0	2308.5	2874.9
72.5°	3864.6	3830.9	4065.2	4615.7	5160.1	*5131.1*	4804.2	3646.1	2842.2	2325.4	2494.7
75°	*2899.2*	*2809.4*	*3223.4*	*4159.7*	*5233.5*	*5488.4*	*5245.7*	*3938.0*	*2791.2*	*2054.6*	*1736.1*
77.5°	1239.9	1149.6	1637.4	3079.3	4684.0	*5130.6*	4840.6	3435.7	2228.1	1358.7	852.6
80°	324.6	324.1	494.8	1396.1	3185.5	*3788.8*	3323.9	2218.7	1273.1	485.5	235.3
82.5°	134.2	131.0	181.9	543.0	1556.5	*2126.1*	1735.1	989.6	459.7	131.4	78.1
85°	50.0	49.6	88.4	187.5	549.1	*876.9*	634.7	253.0	114.6	64.1	35.1
87.5°	14.0	13.6	19.2	65.0	133.8	*203.0*	108.5	41.6	32.3	25.3	10.3
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°	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4	1008.4
2.5°	1011.6	1014.0	1018.2	1021.4	1025.7	1030.3	1036.9	1041.1	1045.3	1048.1	1046.2
5°	1015.8	1021.0	1031.7	1042.5	1055.1	1066.8	1080.4	1090.2	1098.1	1100.5	1101.4
7.5°	1025.2	1033.6	1051.8	1070.1	1090.2	1109.4	1129.0	1145.9	1159.4	1164.6	1165.0
10°	1041.6	1052.8	1078.5	1104.2	1130.9	1160.4	1185.6	1209.9	1229.1	1237.1	1237.5
12.5°	1062.1	1076.2	1109.8	1145.4	1182.3	1223.0	1255.8	1285.7	1309.5	1320.3	1320.3
15°	1088.8	1107.0	1150.1	1197.8	1252.0	1308.6	1350.2	1383.4	1410.1	1423.2	1422.3
17.5°	1117.8	1142.1	1196.4	1268.4	1346.0	1420.4	1469.0	1493.3	1520.9	1533.6	1533.1
20°	1145.9	1175.8	1253.4	1358.2	1461.5	1540.6	1579.9	1586.4	1588.3	1589.7	1593.4
22.5°	1174.8	1215.1	1325.0	1471.4	1582.2	1636.9	1642.5	1614.5	1575.2	1557.0	1562.1
25°	1206.7	1260.0	1418.5	1596.2	1686.0	1692.6	1649.6	1581.3	1506.9	1472.8	1477.9
27.5°	1237.5	1311.9	1530.8	1715.5	1760.9	1703.3	1610.7	1513.9	1424.1	1388.1	1392.3
30°	1268.4	1371.3	1654.7	1819.8	1795.0	1676.7	1549.5	1441.4	1351.2	1313.3	1317.5
32.5°	1299.7	1440.5	1797.4	1895.1	1788.9	1620.1	1473.2	1360.1	1280.5	1240.8	1245.9
35°	1335.3	1525.6	1932.5	1936.3	1748.2	1536.8	1372.7	1262.8	1193.6	1161.8	1168.8
37.5°	1381.6	1633.7	2051.8	1946.5	1677.2	1414.8	1247.8	1147.7	1090.7	1076.2	1086.5
40°	1439.1	1763.7	2143.0	1930.2	1571.9	1266.5	1111.2	1031.3	999.0	1002.3	1013.5
42.5°	1513.9	1909.1	2207.1	1888.1	1425.5	1113.6	991.5	956.0	971.4	984.5	996.7
45°	1611.2	2060.2	2246.8	1816.5	1260.0	984.0	920.9	929.3	941.0	942.4	951.8
47.5°	1735.6	2213.1	2273.0	1708.5	1091.1	892.8	876.0	877.9	875.5	865.7	873.2
50°	1890.9	2361.9	2296.4	1565.4	947.5	835.8	813.3	806.8	774.5	742.7	746.9
52.5°	2067.7	2498.4	2306.2	1387.7	835.8	788.1	751.6	710.4	650.1	640.3	643.5
55°	2264.1	2624.7	2280.9	1169.2	741.8	726.8	671.6	622.0	615.5	607.1	608.5
57.5°	2498.9	2760.8	2229.5	925.6	645.4	655.2	601.5	607.1	595.4	582.3	579.9
60°	2755.7	2901.6	2139.2	703.4	545.8	565.9	583.2	582.7	579.5	568.7	565.0
62.5°	2986.7	2994.2	1961.5	538.8	458.3	496.7	543.9	543.5	540.7	534.6	532.2
65°	3124.2	2980.2	1665.0	424.2	386.3	439.6	490.6	494.4	494.8	494.4	494.4
67.5°	3099.9	2816.0	1258.1	337.7	326.9	381.6	437.8	442.9	446.6	447.6	448.5
70°	2824.9	2455.4	820.3	269.4	274.1	330.7	387.7	392.9	396.1	399.9	401.7
72.5°	2201.9	1805.3	469.6	217.9	227.8	286.7	338.1	344.2	346.1	353.1	355.9
75°	*1341.8*	*1061.7*	*253.5*	*171.6*	*187.1*	*245.1*	*289.0*	*296.1*	*299.3*	*307.7*	*308.7*
77.5°	637.9	459.7	144.5	133.8	150.6	200.2	244.1	252.1	243.2	247.9	244.1
80°	215.6	170.7	91.2	102.0	115.1	156.2	195.5	203.4	184.7	183.8	181.9
82.5°	75.3	69.2	58.0	67.8	74.4	111.8	147.8	158.1	137.5	137.0	130.5
85°	29.5	28.1	32.3	36.9	44.4	68.8	97.3	102.4	84.7	68.3	67.3
87.5°	6.1	6.5	8.0	8.4	13.6	23.9	35.1	43.0	34.1	29.0	26.7
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)