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: P1202727

Luminaire Tested: GWC-SB2A-827-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202727
	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-SB2A-827-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7708 lumens
Efficiency:	N/A
Efficacy:	134.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

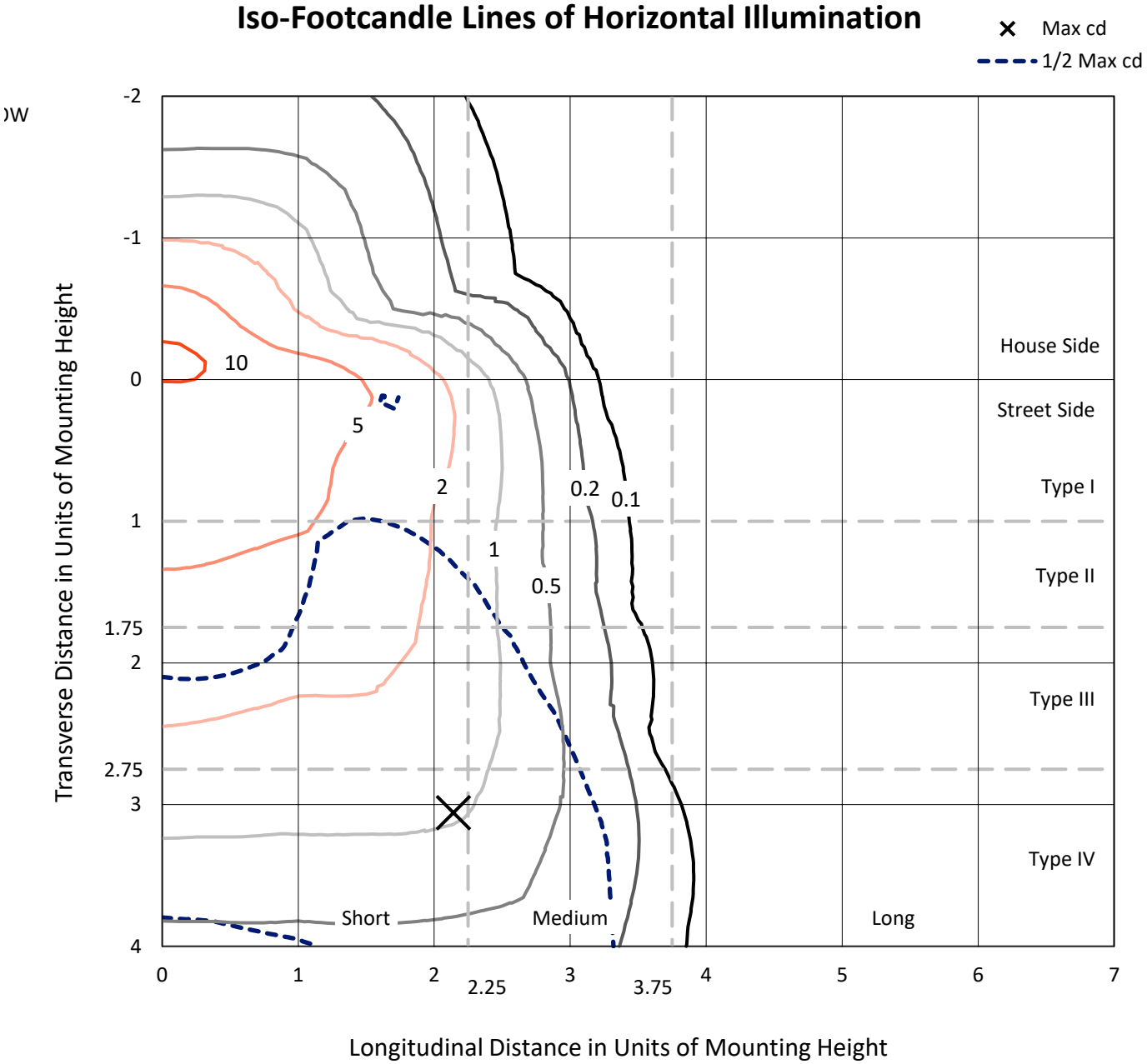


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Iso-Footcandle Lines of Horizontal Illumination



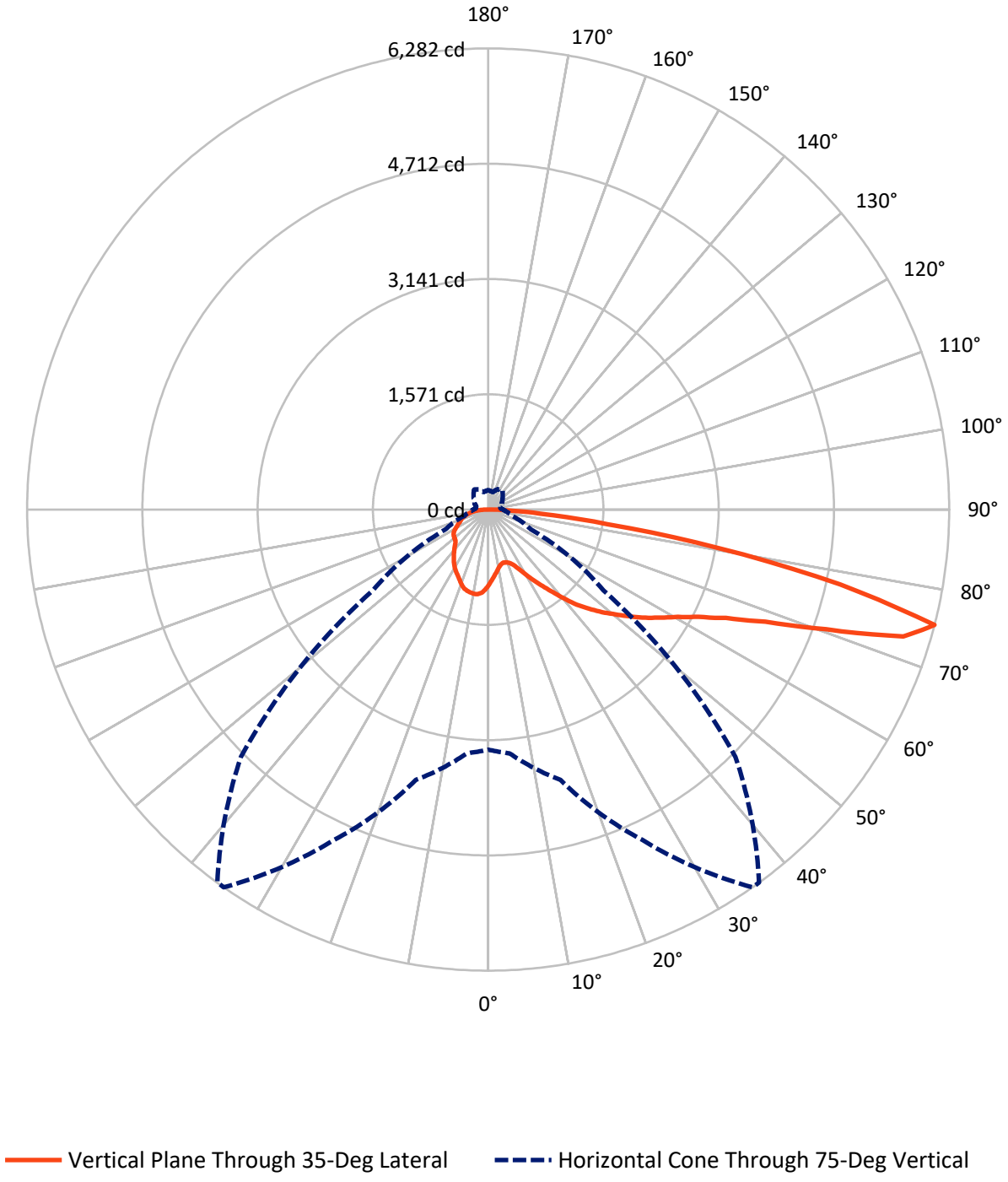
Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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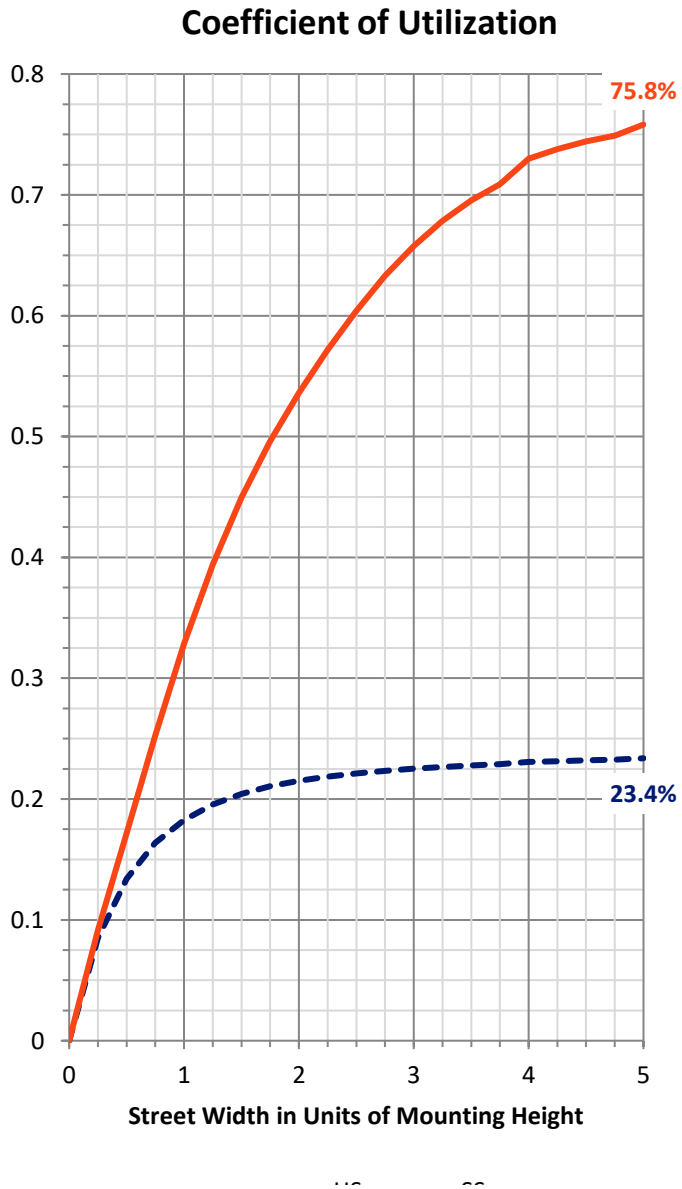
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1834.3	0.0	1834.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5873.7	0.0	5873.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	7708.0	0.0	7708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	1.3
10°-20°	280.5	3.6
20°-30°	471.1	6.1
30°-40°	732.1	9.5
40°-50°	1086.6	14.1
50°-60°	1500.1	19.5
60°-70°	1820.0	23.6
70°-80°	1504.1	19.5
80°-90°	216.3	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°	7708.0	100.0
0°-180°	7708.0	100.0



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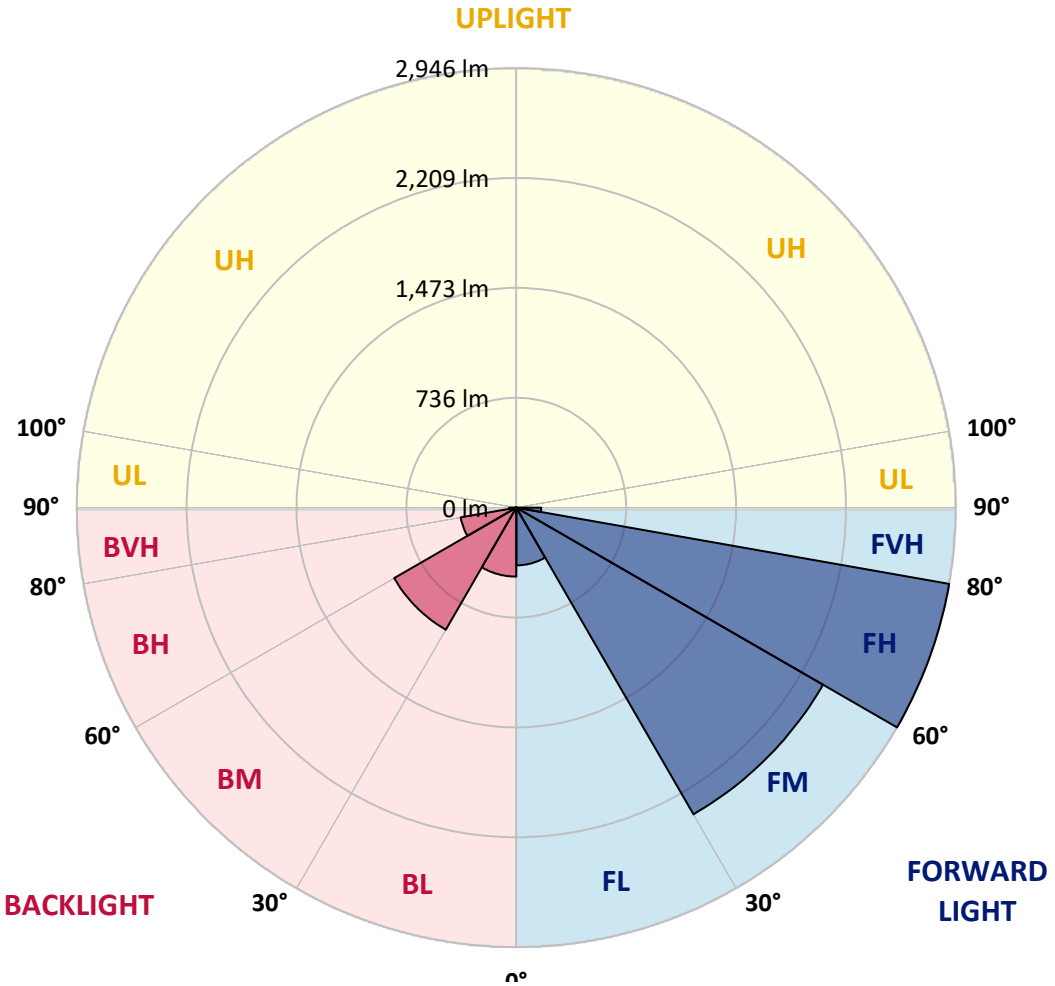
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	386.5	5.0			
FM	(30°-60°)	2373.6	30.8			
FH	(60°-80°)	2945.9	38.2			G2/5000
FVH	(80°-90°)	167.6	2.2			G2/225
BL	(0°-30°)	462.3	6.0	B1/500		
BM	(30°-60°)	945.1	12.3	B1/1000		
BH	(60°-80°)	378.2	4.9	B1/500		G1/500
BVH	(80°-90°)	48.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	1027.1	1027.1	1027.1	1027.1	*1027.1*	1027.1	1027.1	1027.1	1027.1	1027.1	1027.1
2.5°	947.1	953.0	955.5	954.2	*960.5*	959.6	968.4	979.2	994.2	1008.8	1030.1
5°	874.2	880.5	885.9	890.9	*903.0*	906.7	920.5	941.3	968.8	996.7	1031.7
7.5°	806.3	811.7	820.0	829.2	*849.6*	853.4	876.3	908.8	947.1	988.0	1036.3
10°	750.9	756.3	765.0	775.5	*800.9*	805.5	834.6	878.0	928.0	979.6	1041.3
12.5°	727.1	728.8	733.8	744.2	*766.3*	769.2	801.3	850.9	909.2	973.4	1048.8
15°	725.9	729.2	729.6	735.0	*753.4*	754.6	784.2	833.4	897.6	972.1	1060.1
17.5°	738.4	740.9	737.1	740.5	*755.9*	758.0	781.3	825.0	893.8	977.6	1079.2
20°	771.7	773.8	762.5	758.0	*769.2*	770.9	793.8	830.5	897.6	988.8	1105.5
22.5°	842.5	843.8	816.3	797.5	*798.4*	799.2	819.2	852.5	912.1	1009.2	1138.8
25°	953.0	952.1	908.4	872.1	*851.3*	846.7	860.1	888.4	936.7	1036.3	1181.7
27.5°	1082.1	1075.9	1032.1	978.0	*932.6*	925.9	923.0	935.1	971.7	1072.1	1234.2
30°	1228.0	1222.2	1175.1	1104.2	*1041.3*	1030.5	1003.0	996.7	1023.8	1120.9	1307.2
32.5°	1388.0	1384.2	1328.0	1242.2	*1158.0*	1145.5	1099.2	1082.6	1103.8	1194.7	1408.8
35°	1522.2	1518.8	1472.2	1383.8	*1280.9*	1265.5	1218.4	1199.7	1210.5	1289.2	1541.8
37.5°	1643.4	1641.8	1601.8	1532.2	*1425.9*	1407.2	1354.2	1348.0	1345.9	1413.8	1703.0
40°	1755.9	1751.8	1710.1	1673.4	*1594.7*	1577.6	1530.9	1525.5	1509.7	1567.2	1885.5
42.5°	1880.5	1869.7	1809.3	1792.2	*1770.9*	1756.8	1728.9	1729.7	1694.7	1740.1	2078.9
45°	1982.2	1975.9	1913.9	1903.9	*1926.8*	1920.9	1945.1	1951.4	1883.4	1921.4	2279.7
47.5°	2091.4	2085.5	2033.0	2026.0	*2088.0*	2089.7	2175.1	2177.2	2067.6	2109.7	2481.0
50°	2226.0	2217.6	2165.5	2174.3	*2243.9*	2250.1	2406.4	2392.2	2237.2	2301.0	2680.6
52.5°	2314.7	2319.7	2308.5	2322.6	*2417.6*	2423.5	2633.9	2597.7	2405.1	2489.7	2876.4
55°	2380.1	2390.1	2425.1	2457.6	*2601.0*	2606.8	2848.5	2793.1	2544.3	2664.7	3060.6
57.5°	2464.3	2450.1	2515.6	2578.9	*2775.2*	2790.6	3057.3	2981.4	2667.7	2815.6	3186.9
60°	2585.2	2575.1	2626.0	2719.7	*2970.2*	2994.8	3278.1	3151.0	2758.1	2935.2	3211.4
62.5°	2830.2	2805.2	2813.1	2896.0	*3216.0*	3248.5	3527.3	3298.9	2803.1	2981.8	3079.8
65°	3196.4	3153.5	3113.5	3171.0	*3562.3*	3594.4	3808.6	3415.2	2786.4	2891.4	2730.2
67.5°	3657.7	3615.2	3566.0	3620.2	*4072.3*	4097.7	4155.7	3480.6	2655.2	2543.1	2112.2
70°	4038.2	4022.3	4081.1	4304.0	*4887.0*	4887.8	4600.7	3426.4	2295.6	1803.0	1222.2
72.5°	3987.7	3978.1	4287.7	4977.0	*5913.7*	5891.6	5022.0	3016.4	1546.3	813.4	457.9
75°	*3271.4*	*3333.5*	*3813.1*	*4964.9*	*6282.4*	*6279.5*	*4764.0*	*1917.6*	*639.6*	*337.1*	*236.7*
77.5°	1754.3	1852.6	2475.6	3665.6	*4904.5*	4978.2	3349.4	670.9	274.6	215.8	163.8
80°	572.1	658.0	986.7	1866.4	*3186.9*	3173.1	1435.5	263.3	187.9	152.9	113.3
82.5°	242.9	252.9	440.9	881.3	*1635.5*	1610.1	457.1	151.3	132.1	104.6	70.0
85°	95.0	106.3	194.6	407.5	*708.4*	693.0	165.0	75.0	84.6	68.3	41.7
87.5°	31.3	37.9	69.6	139.6	*220.4*	212.5	40.4	25.8	36.7	31.3	15.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1027.1	1027.1	1027.1	1027.1	1027.1	1027.1	1027.1	1027.1	1027.1	1027.1	1027.1
2.5°	1035.9	1042.6	1050.5	1062.1	1072.1	1080.5	1089.2	1094.6	1096.7	1103.0	1102.6
5°	1043.4	1058.0	1077.6	1096.7	1115.5	1126.7	1136.7	1141.7	1146.3	1149.7	1150.5
7.5°	1055.9	1074.6	1105.5	1130.5	1146.3	1155.5	1162.2	1160.5	1162.2	1163.0	1164.2
10°	1066.7	1093.0	1129.6	1153.4	1165.5	1165.9	1164.2	1158.4	1155.5	1155.9	1156.7
12.5°	1079.6	1108.8	1148.4	1168.4	1171.7	1162.6	1155.5	1145.5	1141.7	1140.1	1139.2
15°	1097.1	1130.5	1168.8	1176.3	1168.0	1156.3	1144.2	1128.0	1119.6	1113.0	1115.1
17.5°	1118.4	1155.1	1184.7	1179.2	1161.3	1142.1	1122.6	1098.0	1080.9	1073.8	1074.2
20°	1148.0	1180.9	1196.7	1173.0	1145.9	1116.7	1083.4	1053.4	1037.6	1030.5	1029.6
22.5°	1183.8	1215.5	1208.4	1162.2	1123.8	1077.1	1035.5	1013.4	1005.5	1000.5	1001.3
25°	1226.7	1253.8	1216.7	1146.3	1087.6	1024.6	992.6	985.5	981.7	978.0	978.0
27.5°	1282.6	1297.2	1223.0	1123.0	1030.9	968.8	957.1	958.4	957.1	950.9	952.1
30°	1356.3	1353.4	1228.8	1085.1	965.9	918.4	919.2	924.6	925.5	921.3	923.4
32.5°	1453.4	1423.8	1231.7	1035.9	903.8	874.2	875.1	880.9	885.1	878.0	881.3
35°	1570.9	1505.9	1227.2	974.2	855.9	832.1	825.9	827.5	828.8	822.1	826.7
37.5°	1708.0	1598.0	1206.7	905.9	816.3	790.9	777.5	766.3	759.6	753.4	757.5
40°	1858.4	1698.4	1169.2	839.2	772.1	747.1	727.1	705.9	683.4	675.0	678.8
42.5°	2016.0	1801.8	1123.8	775.5	721.3	700.9	679.6	648.8	615.0	598.0	600.0
45°	2179.3	1907.6	1079.2	712.5	669.2	660.5	635.9	598.8	562.1	540.4	538.8
47.5°	2339.3	2007.6	1013.8	649.2	620.5	630.0	610.9	576.7	535.9	501.7	497.9
50°	2492.2	2101.4	906.7	585.0	580.9	620.9	602.5	553.4	506.7	462.9	459.2
52.5°	2643.9	2177.2	769.6	526.7	559.6	618.4	591.7	537.5	480.4	434.6	429.6
55°	2772.7	2216.4	637.5	476.7	528.8	597.1	578.8	518.8	443.4	394.6	390.4
57.5°	2846.0	2184.7	527.5	427.5	486.3	562.1	556.7	478.8	399.2	361.7	356.7
60°	2814.3	2056.4	437.5	384.6	445.9	524.2	518.4	439.2	365.4	330.0	325.0
62.5°	2639.7	1811.8	366.3	347.1	409.2	485.4	480.0	408.8	339.6	305.4	300.0
65°	2288.0	1473.8	310.9	315.9	372.1	438.8	446.7	383.4	319.2	285.8	280.4
67.5°	1745.1	1067.6	267.5	288.8	335.9	392.9	415.9	365.0	302.1	270.4	265.4
70°	994.6	606.3	230.8	262.5	303.8	350.4	392.1	350.4	283.8	257.5	254.2
72.5°	377.1	278.3	199.6	236.3	272.9	314.6	365.9	327.5	262.5	242.9	239.6
75°	*201.3*	*169.6*	*167.9*	*205.4*	*237.5*	*279.6*	*332.9*	*305.0*	*246.7*	*256.7*	*265.0*
77.5°	137.1	120.0	140.4	175.8	198.8	240.8	297.9	270.8	213.8	212.9	196.3
80°	95.0	85.0	114.2	141.7	153.8	202.5	260.0	232.5	174.2	162.5	155.4
82.5°	57.1	55.4	85.4	105.8	108.8	156.3	215.4	195.0	142.5	124.2	125.0
85°	31.3	32.9	54.6	62.1	63.3	109.2	168.8	150.8	109.6	92.1	92.9
87.5°	8.8	11.3	20.0	24.6	30.4	56.7	100.4	89.6	55.0	38.3	38.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
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(END OF REPORT)