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: P1202342

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

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202342
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-827-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6210 lumens
Efficiency:	N/A
Efficacy:	78.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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

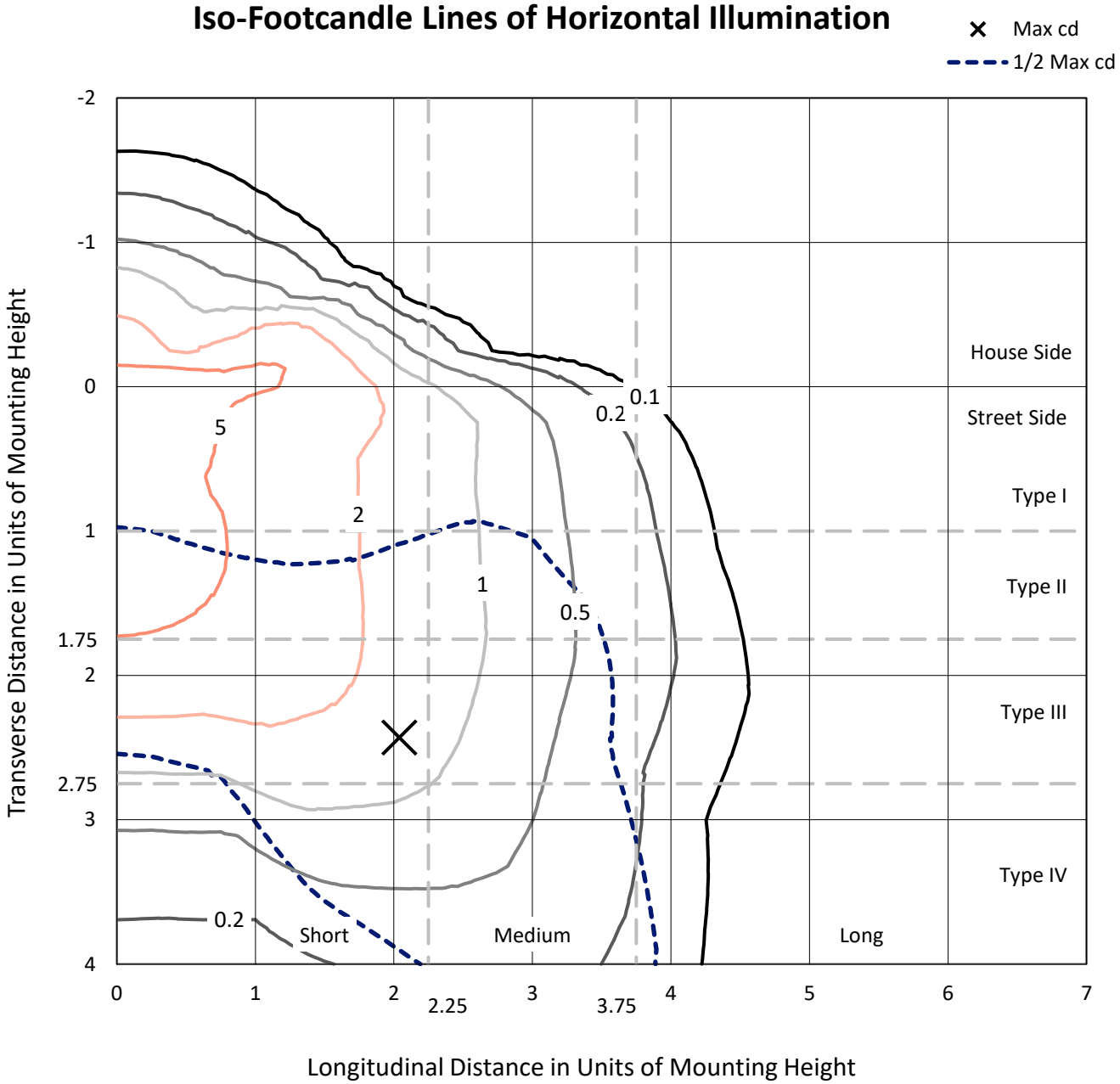


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Iso-Footcandle Lines of Horizontal Illumination



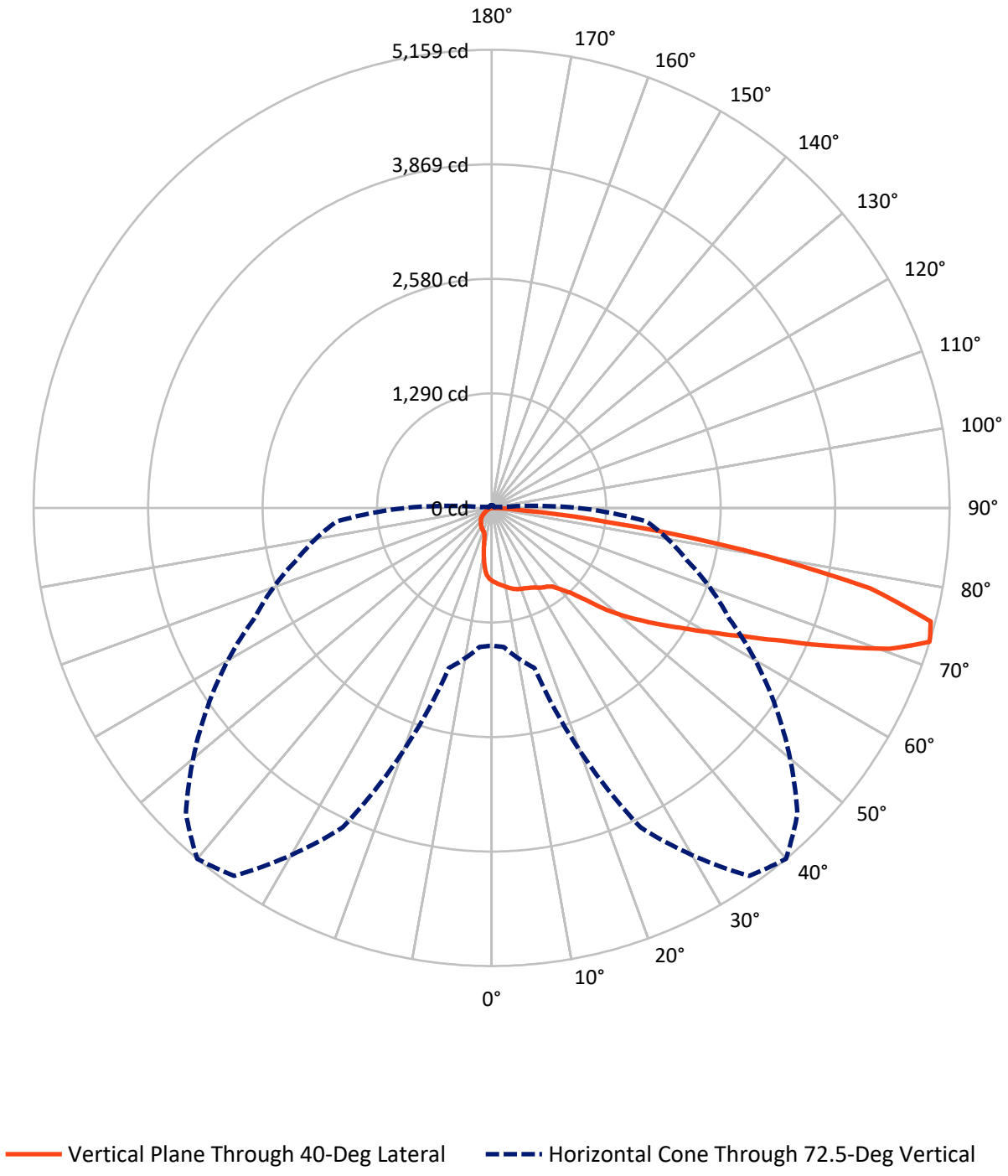
Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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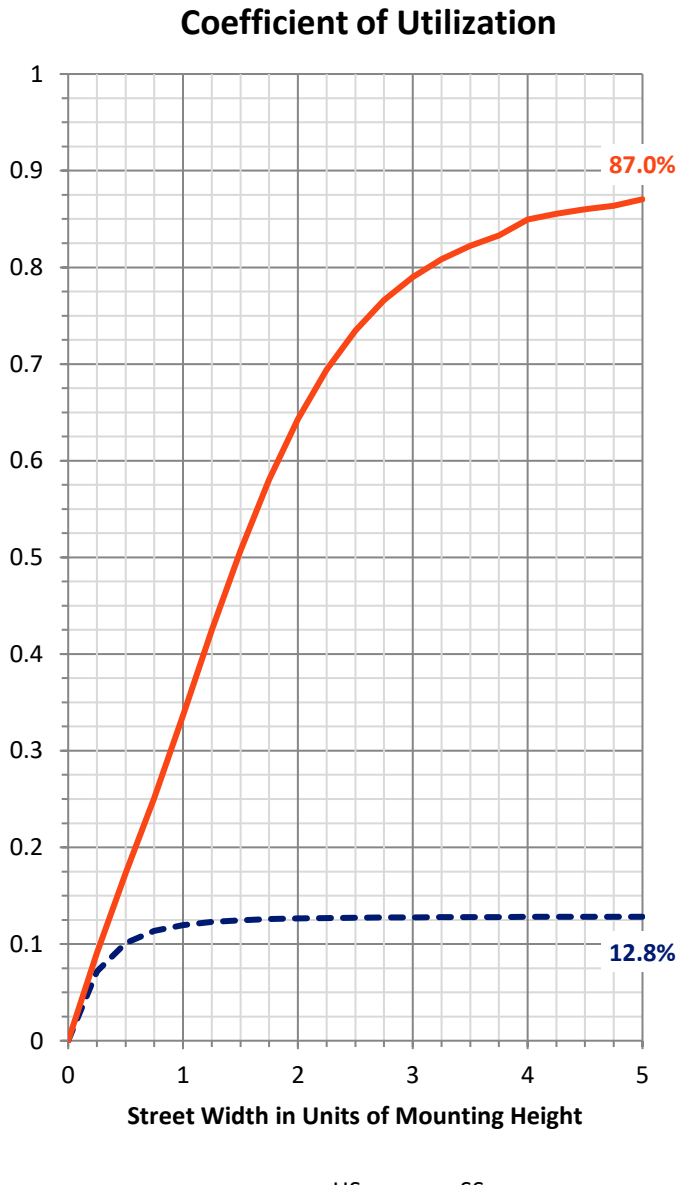
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.9	0.0	801.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	5408.0	0.0	5408.0
	% Fixture	87.1	0.0	87.1
Total	Lumens	6210.0	0.0	6210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	1.2
10°-20°	203.9	3.3
20°-30°	330.0	5.3
30°-40°	487.2	7.8
40°-50°	819.9	13.2
50°-60°	1273.1	20.5
60°-70°	1593.0	25.7
70°-80°	1304.2	21.0
80°-90°	123.7	2.0
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°	6210.0	100.0
0°-180°	6210.0	100.0



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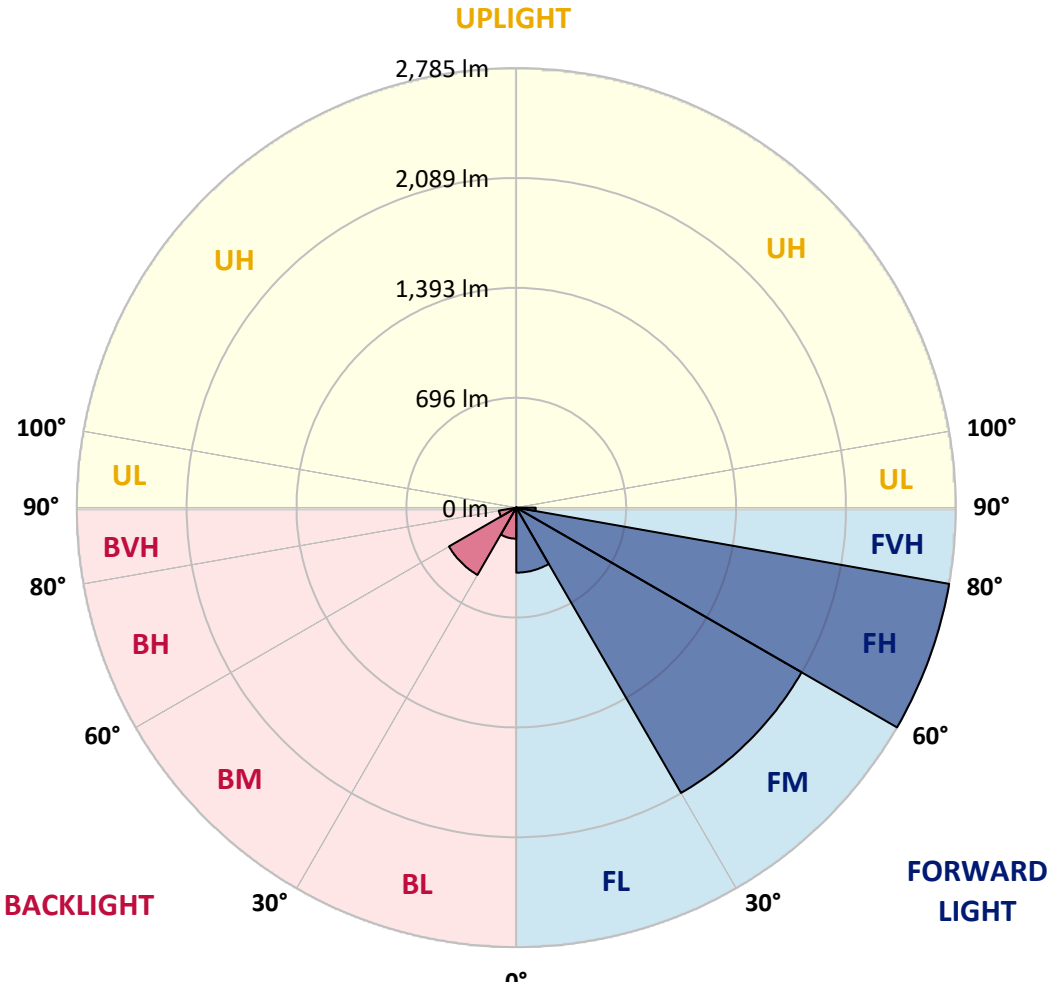
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	412.2	6.6			
FM	(30°-60°)	2087.7	33.6			
FH	(60°-80°)	2785.5	44.9			G2/5000
FVH	(80°-90°)	122.7	2.0			G2/225
BL	(0°-30°)	196.8	3.2	B1/500		
BM	(30°-60°)	492.5	7.9	B1/1000		
BH	(60°-80°)	111.7	1.8	B1/500		G1/500
BVH	(80°-90°)	0.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	822.3	822.3	822.3	822.3	822.3	822.3	822.3	822.3	822.3	822.3	822.3
2.5°	847.0	850.3	848.4	844.7	843.8	841.9	839.6	838.6	835.4	832.5	829.3
5°	870.9	874.2	871.8	866.7	864.3	862.0	858.7	855.9	849.4	843.3	835.8
7.5°	897.1	899.9	897.1	889.6	885.9	883.1	878.4	874.2	866.7	857.8	848.4
10°	926.1	928.4	924.2	914.4	908.3	904.1	899.9	895.2	888.2	878.4	867.2
12.5°	953.2	956.0	949.5	937.8	930.8	926.6	921.9	918.1	911.1	901.8	890.1
15°	978.0	982.2	971.0	958.4	950.4	947.1	942.5	940.1	935.4	928.9	918.1
17.5°	996.7	999.5	987.8	972.9	964.0	961.6	958.4	959.8	958.8	955.6	948.5
20°	1012.6	1014.5	999.1	980.8	971.0	971.5	970.5	975.2	977.1	977.1	976.6
22.5°	1032.3	1032.7	1013.1	990.2	978.5	981.7	983.2	988.3	992.0	995.8	1004.2
25°	1058.0	1057.1	1033.7	1002.3	992.0	996.7	1000.0	1001.9	1006.1	1012.1	1031.3
27.5°	1096.3	1093.5	1063.6	1022.0	1009.8	1014.0	1020.1	1019.2	1017.3	1022.0	1054.2
30°	1145.0	1141.2	1101.5	1049.6	1038.3	1042.1	1044.0	1035.5	1022.0	1026.2	1074.4
32.5°	1222.2	1215.6	1160.4	1080.4	1063.1	1067.3	1065.0	1047.7	1027.6	1031.8	1094.5
35°	1356.4	1340.5	1262.4	1145.0	1091.2	1086.5	1080.9	1064.1	1039.3	1035.1	1111.3
37.5°	1641.7	1613.6	1480.3	1270.8	1154.8	1124.4	1107.1	1090.3	1051.9	1035.1	1130.5
40°	1963.5	1935.0	1781.1	1481.3	1260.5	1209.1	1167.9	1121.1	1065.0	1041.1	1160.4
42.5°	2299.3	2268.0	2109.9	1742.3	1411.6	1305.9	1229.2	1145.9	1086.5	1059.9	1200.2
45°	2674.4	2635.1	2428.4	2014.5	1630.9	1466.8	1327.9	1196.9	1123.9	1093.1	1254.4
47.5°	3070.1	3019.1	2746.0	2278.7	1867.1	1689.4	1508.4	1288.1	1179.1	1142.6	1327.9
50°	3420.9	3370.4	3073.9	2555.2	2087.9	1901.3	1714.2	1414.4	1261.9	1212.8	1426.6
52.5°	3673.0	3634.7	3372.3	2840.5	2317.6	2100.1	1900.8	1561.3	1366.7	1302.6	1543.0
55°	3841.9	3806.8	3583.7	3110.8	2584.6	2319.0	2084.6	1720.7	1493.0	1410.2	1671.6
57.5°	3944.3	3924.2	3736.6	3352.2	2849.4	2558.4	2295.1	1896.1	1641.7	1536.9	1815.2
60°	3980.8	3964.4	3831.6	3582.3	3169.3	2846.1	2542.5	2094.0	1822.2	1681.0	1962.6
62.5°	3883.5	3886.8	3899.9	3855.0	3506.5	3182.8	2839.1	2331.6	2022.4	1844.2	2101.0
65°	3425.6	3452.7	3701.5	4157.1	3953.2	3604.7	3216.5	2621.6	2251.6	2029.9	2210.9
67.5°	2836.3	2875.6	3185.2	4333.9	4429.3	4152.4	3742.2	2991.1	2524.8	2218.9	2252.5
70°	2171.2	2213.3	2588.4	4297.0	4875.1	4751.1	4392.4	3461.1	2807.7	2349.8	2146.4
72.5°	1549.6	1571.1	1866.7	3968.1	5057.9	5159.0	4871.3	3906.4	2952.3	2277.3	1750.7
75°	1088.9	1085.1	1281.1	3195.5	4773.1	5109.4	4703.4	3665.5	2671.6	1809.1	1079.5
77.5°	474.3	475.2	639.8	1940.6	3809.6	4363.8	3909.7	2296.0	1862.5	958.8	455.6
80°	123.0	126.8	234.8	772.7	2293.7	2880.2	2384.4	1009.3	860.6	233.9	87.0
82.5°	43.5	46.3	108.0	242.7	846.1	1320.8	1061.7	322.7	224.5	66.9	23.4
85°	12.6	15.0	58.0	74.4	174.9	373.2	257.7	62.7	55.2	34.6	6.1
87.5°	0.0	1.9	11.7	10.3	10.3	7.0	13.1	7.0	8.9	4.2	1.9
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°	822.3	822.3	822.3	822.3	822.3	822.3	822.3	822.3	822.3	822.3	822.3
2.5°	826.5	823.2	816.2	808.7	801.7	795.1	793.3	786.2	783.0	783.4	783.0
5°	830.7	824.6	811.0	794.7	777.8	758.6	742.7	720.3	701.1	698.8	697.4
7.5°	841.9	832.1	810.1	778.3	736.2	683.3	634.2	585.6	558.0	543.0	542.1
10°	859.2	846.1	812.4	751.6	662.3	567.8	493.4	432.2	400.8	386.3	383.5
12.5°	879.8	865.3	816.2	706.3	566.9	442.9	362.5	325.1	318.5	317.6	317.1
15°	908.8	892.9	820.4	645.0	463.5	337.2	300.3	300.7	305.9	308.7	308.2
17.5°	941.1	925.2	814.3	570.2	361.5	288.1	287.2	291.4	298.9	301.7	301.2
20°	973.8	958.8	792.8	482.2	292.3	274.6	278.3	283.0	290.5	294.2	294.2
22.5°	1007.5	994.4	758.6	388.7	263.8	264.7	269.4	274.1	282.5	286.7	286.7
25°	1043.5	1032.3	713.3	311.5	251.6	254.4	260.5	266.1	275.0	280.2	280.2
27.5°	1080.0	1071.5	661.8	260.1	240.4	243.7	250.7	258.2	267.1	273.1	273.6
30°	1119.7	1115.0	620.7	240.9	229.7	232.5	240.4	248.8	258.6	266.1	267.1
32.5°	1160.4	1159.5	600.6	254.9	219.8	221.7	228.7	237.1	249.3	258.6	259.6
35°	1200.6	1202.5	588.9	294.7	216.6	211.4	216.1	223.6	238.1	249.8	251.6
37.5°	1252.1	1256.8	588.4	337.7	224.5	201.1	204.4	209.5	222.2	235.7	238.1
40°	1328.8	1353.6	618.3	374.6	238.5	191.8	192.7	193.6	200.2	211.4	215.2
42.5°	1430.8	1503.3	726.4	399.9	244.2	183.3	180.1	174.9	174.0	180.1	183.3
45°	1557.5	1684.3	916.3	413.9	238.5	174.0	165.1	151.5	146.4	150.6	150.6
47.5°	1706.7	1882.6	1141.2	417.2	229.2	162.3	146.4	128.6	124.4	125.8	125.3
50°	1852.2	2031.3	1339.1	390.1	213.7	147.3	125.8	110.8	108.0	108.5	108.5
52.5°	1980.8	2082.3	1395.2	326.0	193.2	129.1	108.0	97.8	95.9	95.9	95.4
55°	2065.9	2027.1	1244.1	249.3	167.4	110.4	92.6	87.5	86.5	86.1	85.1
57.5°	2083.7	1847.5	939.7	180.1	131.0	93.1	82.3	79.5	77.6	75.8	74.8
60°	2020.1	1548.2	598.2	125.8	98.2	79.5	73.0	71.1	67.4	63.6	62.2
62.5°	1882.6	1169.3	331.1	87.5	79.0	67.8	64.5	62.2	55.2	49.1	47.2
65°	1697.8	777.4	146.4	68.3	64.5	57.1	55.2	51.9	43.5	36.5	35.1
67.5°	1512.1	447.6	65.9	54.7	51.9	46.8	45.4	43.0	36.9	30.4	29.5
70°	1300.3	226.8	45.4	43.5	40.2	35.5	36.9	36.5	30.4	24.8	23.9
72.5°	*968.2*	*112.7*	*34.1*	*32.7*	*29.0*	*25.3*	*30.4*	*29.9*	*23.9*	*18.7*	*17.8*
75°	548.2	55.7	24.8	22.9	17.3	18.7	24.3	22.9	16.4	12.2	11.2
77.5°	217.5	28.5	16.4	14.0	10.3	12.6	17.8	15.4	8.4	5.1	4.7
80°	50.0	14.0	8.4	6.1	4.7	7.5	9.4	5.6	2.3	0.5	0.0
82.5°	14.0	6.1	2.8	2.3	2.3	2.8	2.3	0.9	0.0	0.0	0.0
85°	4.7	2.8	0.9	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.9	0.9	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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SS

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(END OF REPORT)