Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1202729

Luminaire Tested: GWC-SB2A-827-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202729
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7783 lumens
Efficiency:	N/A
Efficacy:	135.8 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

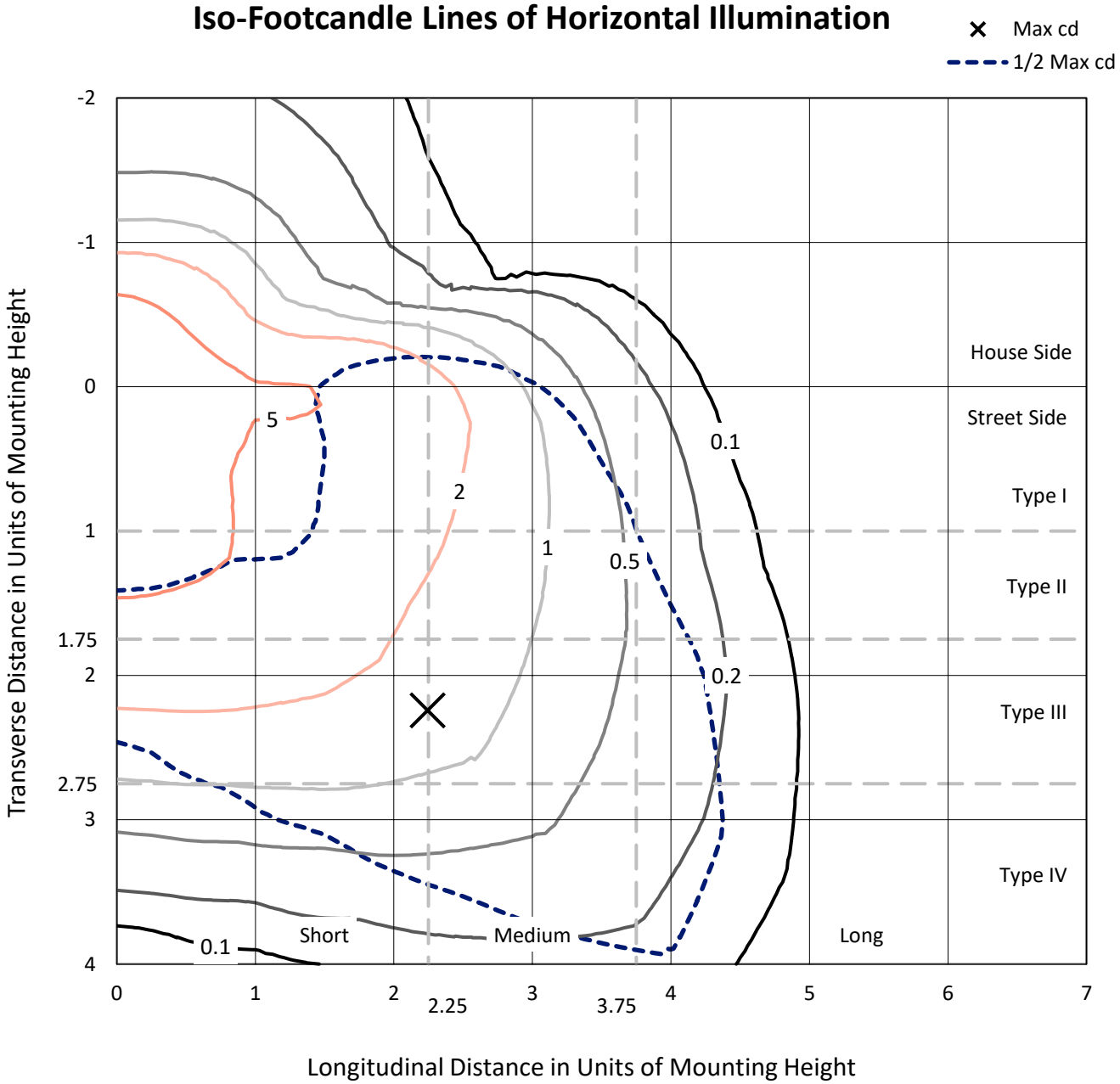


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Iso-Footcandle Lines of Horizontal Illumination



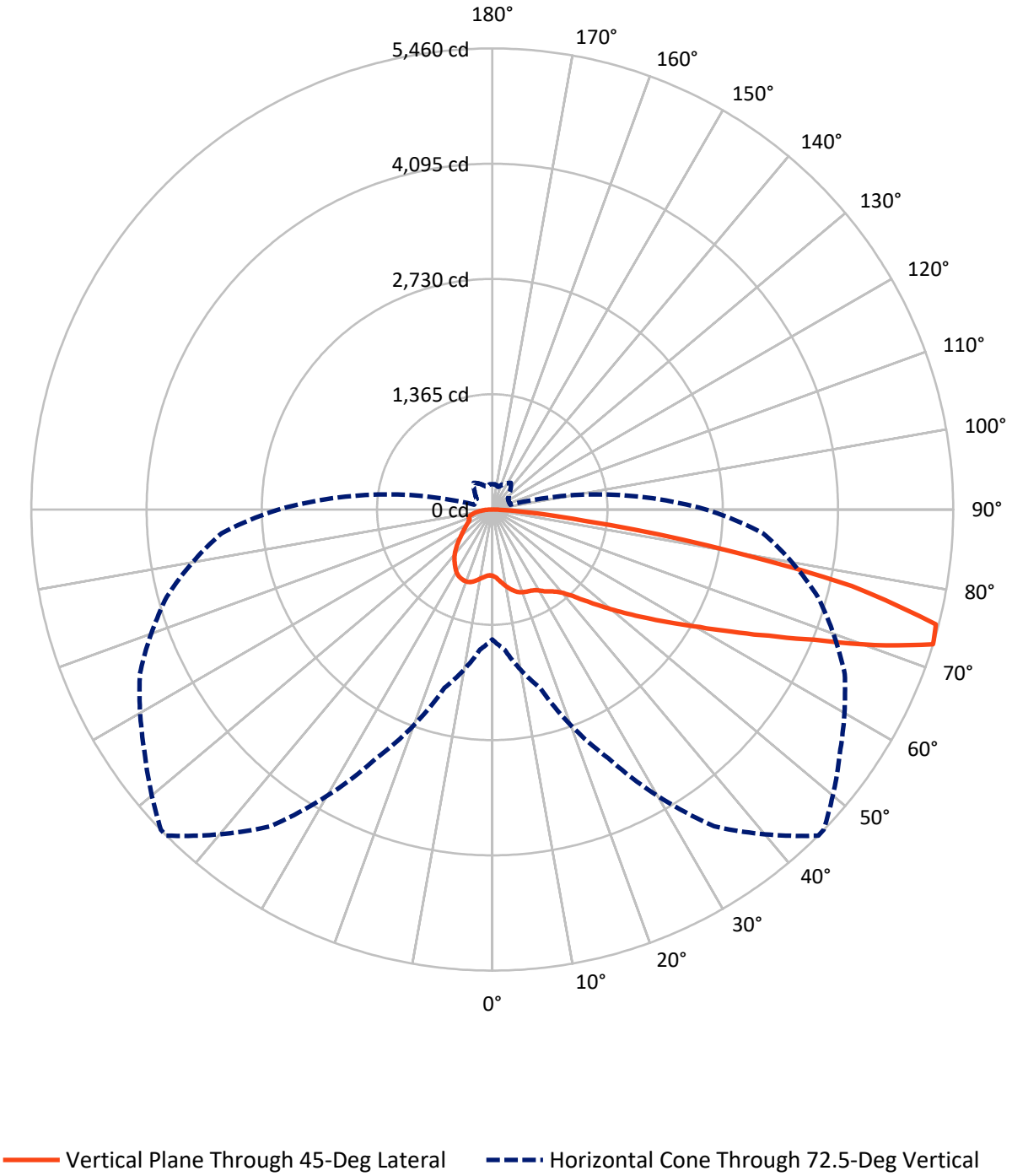
Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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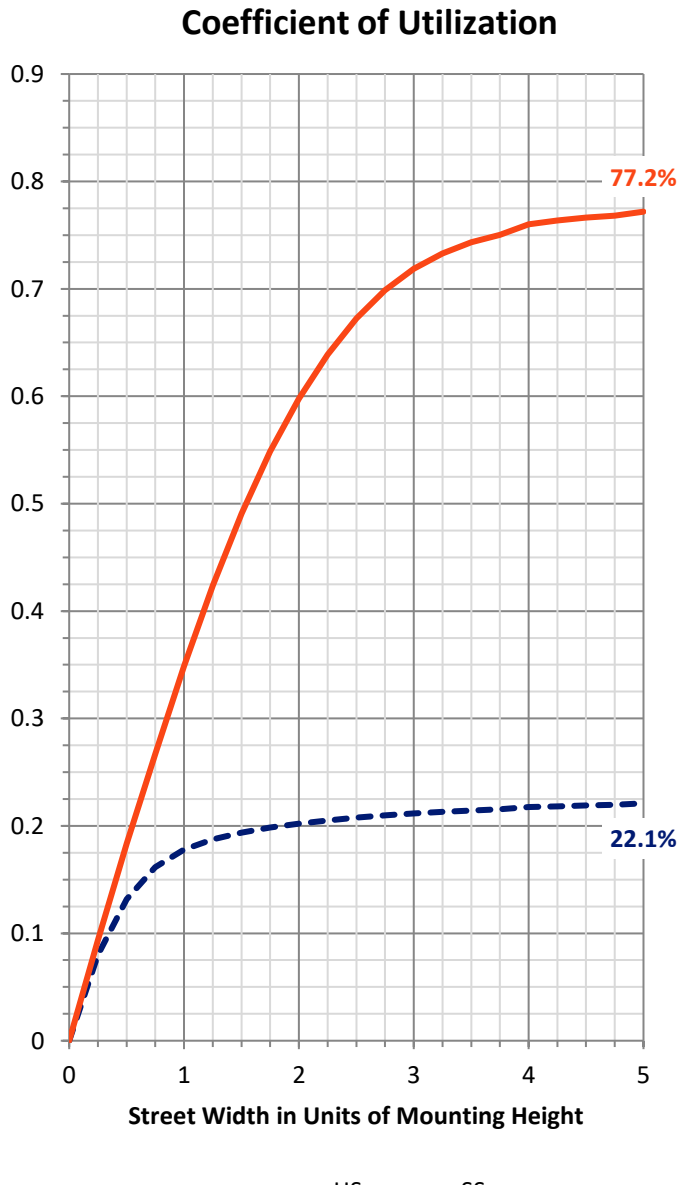
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1759.5	0.0	1759.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6023.5	0.0	6023.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	7783.0	0.0	7783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.0
10°-20°	266.4	3.4
20°-30°	463.5	6.0
30°-40°	664.4	8.5
40°-50°	935.6	12.0
50°-60°	1433.0	18.4
60°-70°	2075.9	26.7
70°-80°	1657.8	21.3
80°-90°	206.5	2.7
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°	7783.0	100.0
0°-180°	7783.0	100.0



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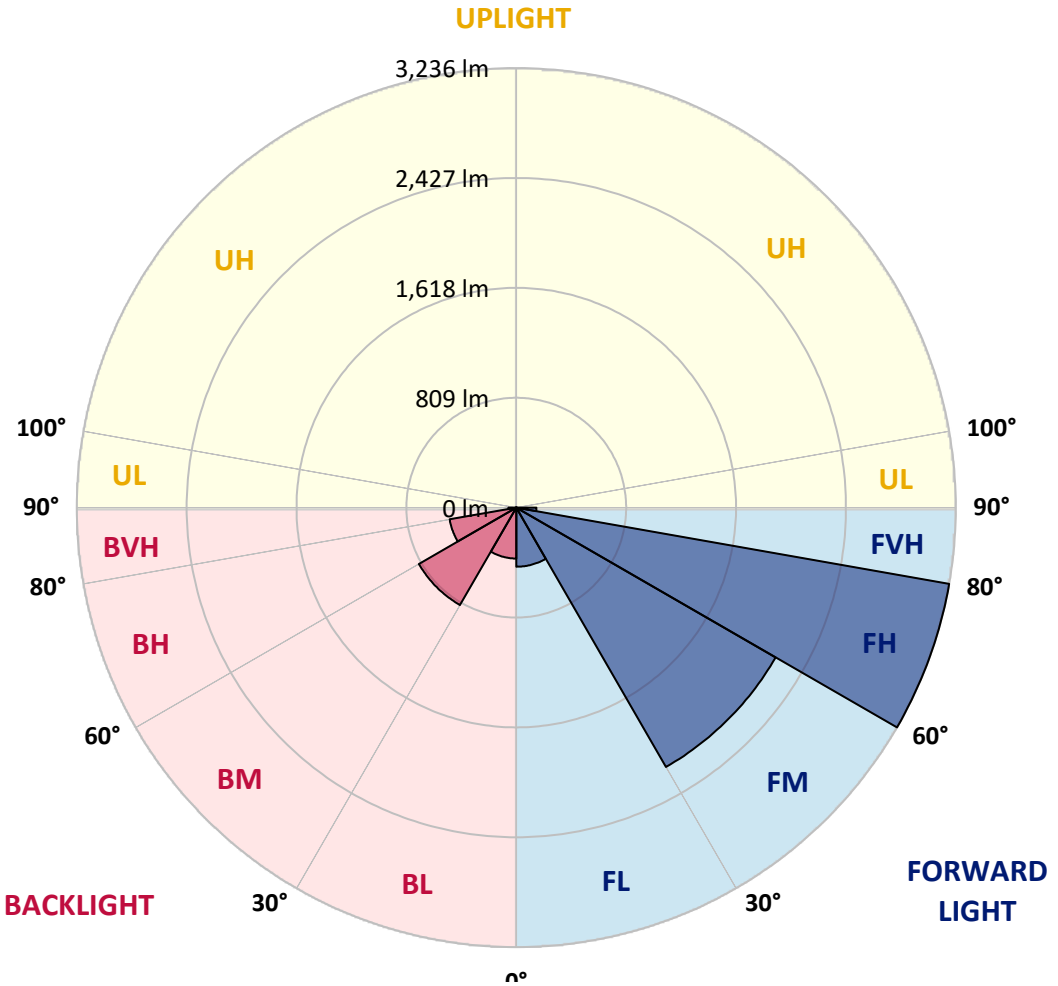
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	435.2	5.6			
FM	(30°-60°)	2204.5	28.3			
FH	(60°-80°)	3235.6	41.6			G2/5000
FVH	(80°-90°)	148.1	1.9			G2/225
BL	(0°-30°)	374.6	4.8	B1/500		
BM	(30°-60°)	828.5	10.6	B1/1000		
BH	(60°-80°)	498.1	6.4	B1/500		G1/500
BVH	(80°-90°)	58.3	0.7			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°	45°	46°	55°	65°	75°	85°
0°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2
2.5°	815.9	821.2	816.3	811.8	809.8	804.4	804.0	800.7	798.7	792.9	791.3
5°	872.9	879.9	871.7	862.6	854.4	841.3	839.7	830.3	819.6	807.3	800.3
7.5°	937.3	943.4	934.0	920.5	906.1	884.4	884.0	866.7	849.9	829.0	817.1
10°	993.4	1001.6	988.9	970.5	952.4	927.8	925.0	905.3	884.0	856.9	838.9
12.5°	1043.0	1048.8	1036.5	1013.9	993.0	968.4	964.7	943.0	919.2	888.5	865.5
15°	1082.4	1089.8	1073.4	1049.2	1027.1	1002.9	999.6	979.9	956.1	923.7	894.2
17.5°	1108.2	1114.4	1097.6	1070.5	1049.2	1029.1	1026.6	1010.2	989.3	956.5	925.0
20°	1118.1	1124.6	1107.0	1079.5	1059.9	1044.3	1043.0	1031.2	1016.8	986.9	954.9
22.5°	1127.9	1134.1	1111.1	1082.4	1065.2	1055.3	1054.9	1047.1	1041.4	1016.8	985.6
25°	1167.7	1169.3	1138.6	1097.2	1072.6	1064.0	1063.5	1063.1	1065.6	1046.3	1018.9
27.5°	1202.1	1201.7	1175.5	1136.5	1098.4	1080.4	1079.9	1084.0	1091.8	1075.8	1053.3
30°	1252.6	1248.0	1216.9	1176.3	1141.4	1113.6	1111.1	1107.4	1113.6	1100.9	1087.7
32.5°	1359.6	1345.2	1294.8	1222.6	1177.1	1155.8	1152.5	1129.6	1132.0	1124.2	1117.7
35°	1512.9	1494.0	1426.8	1310.4	1221.4	1191.1	1189.4	1160.3	1155.4	1148.4	1150.9
37.5°	1695.4	1672.0	1593.7	1437.5	1297.7	1232.1	1229.6	1203.4	1183.3	1175.9	1189.8
40°	1878.6	1849.1	1784.3	1592.4	1410.0	1300.5	1292.7	1253.0	1230.0	1217.7	1247.2
42.5°	2056.6	2032.0	1976.6	1766.3	1548.6	1400.6	1383.3	1315.3	1298.1	1286.6	1339.9
45°	2214.0	2191.9	2151.3	1952.0	1710.9	1536.7	1519.9	1408.8	1403.4	1403.4	1480.5
47.5°	2341.9	2337.0	2294.0	2141.4	1902.4	1691.7	1662.6	1538.7	1553.1	1575.2	1680.2
50°	2483.8	2470.3	2424.3	2328.0	2127.5	1869.2	1845.4	1698.2	1751.9	1812.6	1968.8
52.5°	2614.2	2621.6	2570.3	2522.3	2381.7	2067.2	2025.4	1886.4	2002.4	2102.9	2307.1
55°	2748.2	2748.7	2734.3	2727.7	2648.2	2286.2	2240.2	2112.7	2297.2	2421.9	2701.5
57.5°	2874.1	2874.9	2896.3	2954.1	2957.3	2538.7	2486.7	2390.7	2624.8	2751.9	3108.2
60°	2986.5	2992.2	3050.4	3185.7	3229.2	2828.2	2779.0	2719.1	2963.5	3091.4	3535.9
62.5°	3024.2	3045.1	3174.6	3366.9	3497.7	3183.3	3134.9	3099.2	3319.4	3438.3	3893.4
65°	2960.2	3008.2	3258.7	3516.6	3774.1	3605.1	3557.2	3518.2	3689.2	3801.1	4186.9
67.5°	2803.2	2865.1	3253.8	3673.6	4109.4	4112.7	4068.0	3976.6	4085.7	4128.7	4282.5
70°	2389.5	2482.2	2967.2	3732.2	4494.4	4806.9	4763.8	4528.5	4481.3	4273.0	4013.5
72.5°	1539.6	1664.2	2184.9	3249.7	4580.1	5460.0	5457.5	5026.6	4606.4	3992.6	3218.9
75°	561.7	638.0	1015.2	2039.8	3844.6	5426.8	5442.8	4941.3	4205.0	3084.0	2005.3
77.5°	204.6	223.9	331.3	783.9	2364.5	4354.2	4387.4	3950.4	2993.0	1547.8	794.6
80°	107.4	118.1	169.7	304.2	1013.1	2585.9	2638.0	2347.7	1406.7	466.2	238.2
82.5°	59.5	64.4	95.1	165.2	456.3	1105.8	1136.9	927.4	494.9	197.6	98.4
85°	32.0	34.0	44.7	90.2	223.0	383.4	392.0	277.2	197.2	116.0	47.6
87.5°	9.4	11.5	14.8	28.7	87.3	86.1	88.2	54.9	77.9	58.6	15.6
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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2
2.5°	788.8	787.6	783.1	781.1	778.6	778.2	780.2	780.6	781.1	781.5	783.1
5°	796.2	792.1	788.0	785.6	786.4	786.8	790.9	793.8	795.8	797.5	798.3
7.5°	810.6	807.3	800.3	799.9	801.1	804.8	810.2	816.7	820.4	823.3	824.1
10°	831.9	825.7	817.5	818.8	821.2	826.6	837.6	843.0	849.1	854.4	853.2
12.5°	853.6	848.3	838.9	839.7	843.8	853.2	863.9	870.4	874.5	878.6	880.3
15°	881.9	872.5	862.2	862.2	869.6	879.9	884.8	890.1	892.6	897.1	898.7
17.5°	911.0	898.7	885.2	884.4	893.4	898.3	901.2	902.0	902.8	907.7	909.4
20°	940.1	926.6	907.3	905.7	907.7	906.9	906.5	905.7	906.9	913.1	915.5
22.5°	968.8	953.3	926.6	919.2	913.5	905.7	905.3	904.9	905.7	911.8	915.9
25°	1002.5	983.6	947.9	925.8	906.5	895.9	897.1	897.5	898.3	903.2	909.8
27.5°	1038.9	1018.0	967.6	923.7	888.9	881.5	879.5	880.7	883.6	891.3	899.1
30°	1075.4	1050.8	985.6	915.5	866.7	856.5	849.9	852.8	861.8	869.6	878.2
32.5°	1108.6	1084.0	1000.0	897.5	838.5	822.5	813.9	817.5	826.6	829.4	839.7
35°	1147.6	1119.7	1006.1	868.8	807.7	783.1	771.6	766.3	770.8	767.9	777.0
37.5°	1191.1	1161.9	1005.3	831.1	771.6	743.3	727.3	707.3	697.8	688.0	694.1
40°	1255.4	1213.6	995.5	785.6	726.9	701.1	672.4	638.4	617.1	597.8	599.0
42.5°	1343.2	1285.4	977.4	735.5	676.5	652.3	613.4	573.6	540.0	508.0	505.1
45°	1474.0	1379.2	954.9	682.2	622.0	598.2	556.0	511.3	473.1	432.1	427.2
47.5°	1662.6	1505.5	933.6	621.6	564.6	542.8	504.7	463.3	418.2	378.4	373.9
50°	1921.7	1686.7	913.9	562.5	508.0	491.6	461.3	419.0	373.5	341.5	339.5
52.5°	2251.3	1933.2	905.7	505.5	455.1	449.0	424.8	385.4	342.4	315.3	313.2
55°	2629.8	2227.9	905.7	451.0	408.8	410.8	394.0	357.5	320.2	296.0	293.6
57.5°	3016.0	2526.4	889.3	400.6	369.4	378.0	367.4	335.4	301.8	276.8	272.7
60°	3371.9	2776.5	822.9	354.7	334.6	348.1	341.1	313.7	272.7	251.7	248.5
62.5°	3645.3	2917.6	695.0	318.2	305.9	321.4	317.8	285.0	267.3	258.7	255.8
65°	3782.3	2894.6	531.4	285.8	281.7	305.9	298.1	296.8	282.9	273.1	269.8
67.5°	3698.2	2697.0	385.4	262.0	267.7	291.5	321.4	326.4	300.5	281.3	278.0
70°	3329.6	2339.5	287.0	239.4	250.1	291.9	366.5	341.5	294.8	272.2	268.6
72.5°	*2533.0*	*1744.6*	*222.6*	*215.7*	*227.1*	*294.0*	*386.6*	*334.6*	*278.4*	*300.9*	*298.5*
75°	1448.5	957.8	178.8	186.6	198.4	274.7	376.4	316.5	265.7	276.3	276.3
77.5°	552.3	368.2	147.6	157.9	159.5	239.9	360.0	315.3	253.0	246.8	225.1
80°	191.5	143.9	122.2	125.5	123.4	213.2	345.2	274.3	207.1	185.3	179.2
82.5°	78.3	71.8	96.8	92.7	87.7	165.6	278.8	224.3	169.3	149.7	148.0
85°	34.0	45.5	64.0	56.2	50.8	114.8	223.5	189.8	143.1	123.4	123.0
87.5°	7.0	17.2	27.1	25.4	26.2	76.7	158.7	134.9	101.3	75.9	59.5
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)