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: P1202725

Luminaire Tested: GWC-SB2A-827-U-T3

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202725
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-T3
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7804 lumens
Efficiency:	N/A
Efficacy:	136.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - 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

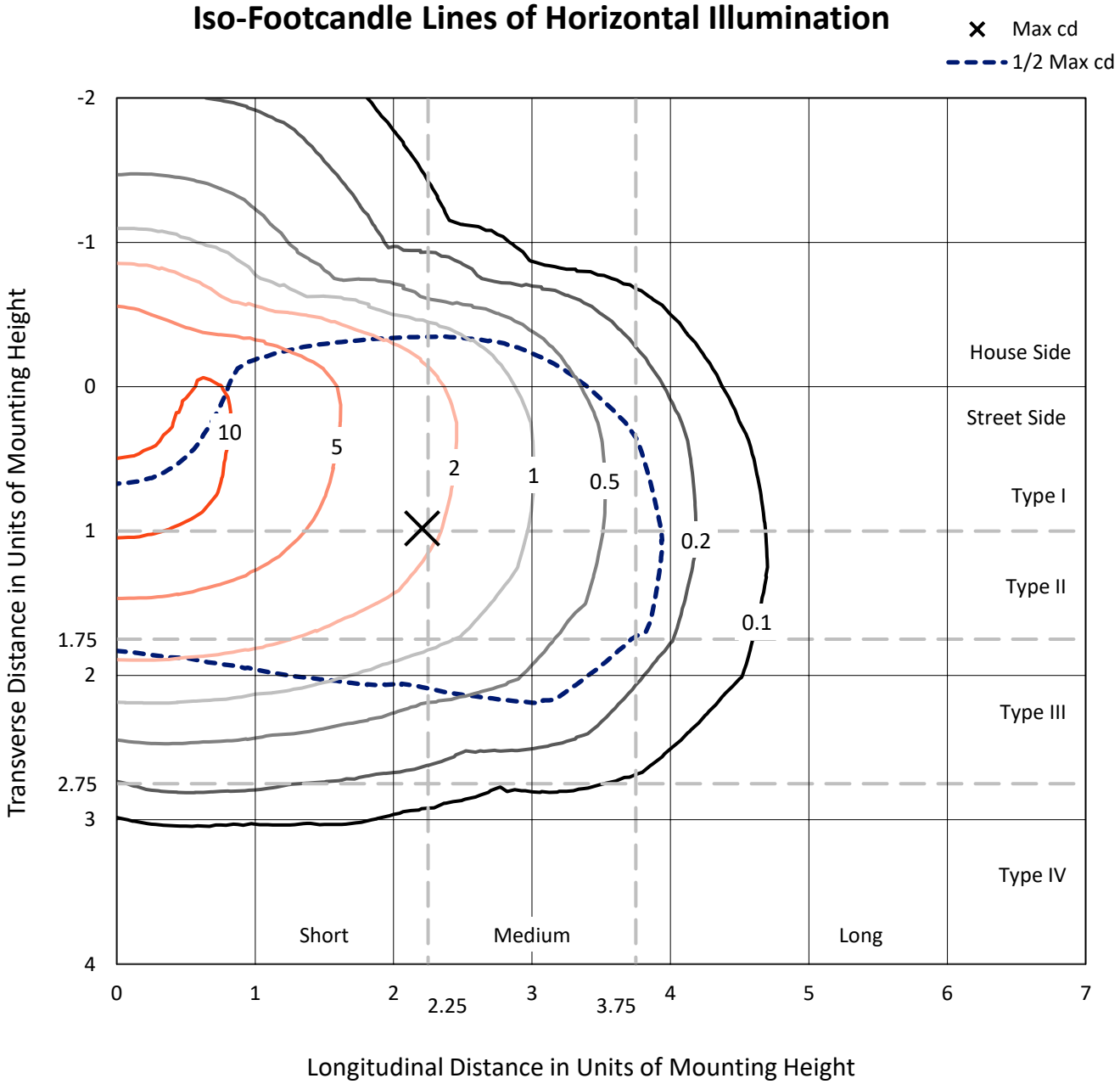


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CATALOG NUMBER: GWC-SB2A-827-U-T3

Iso-Footcandle Lines of Horizontal Illumination



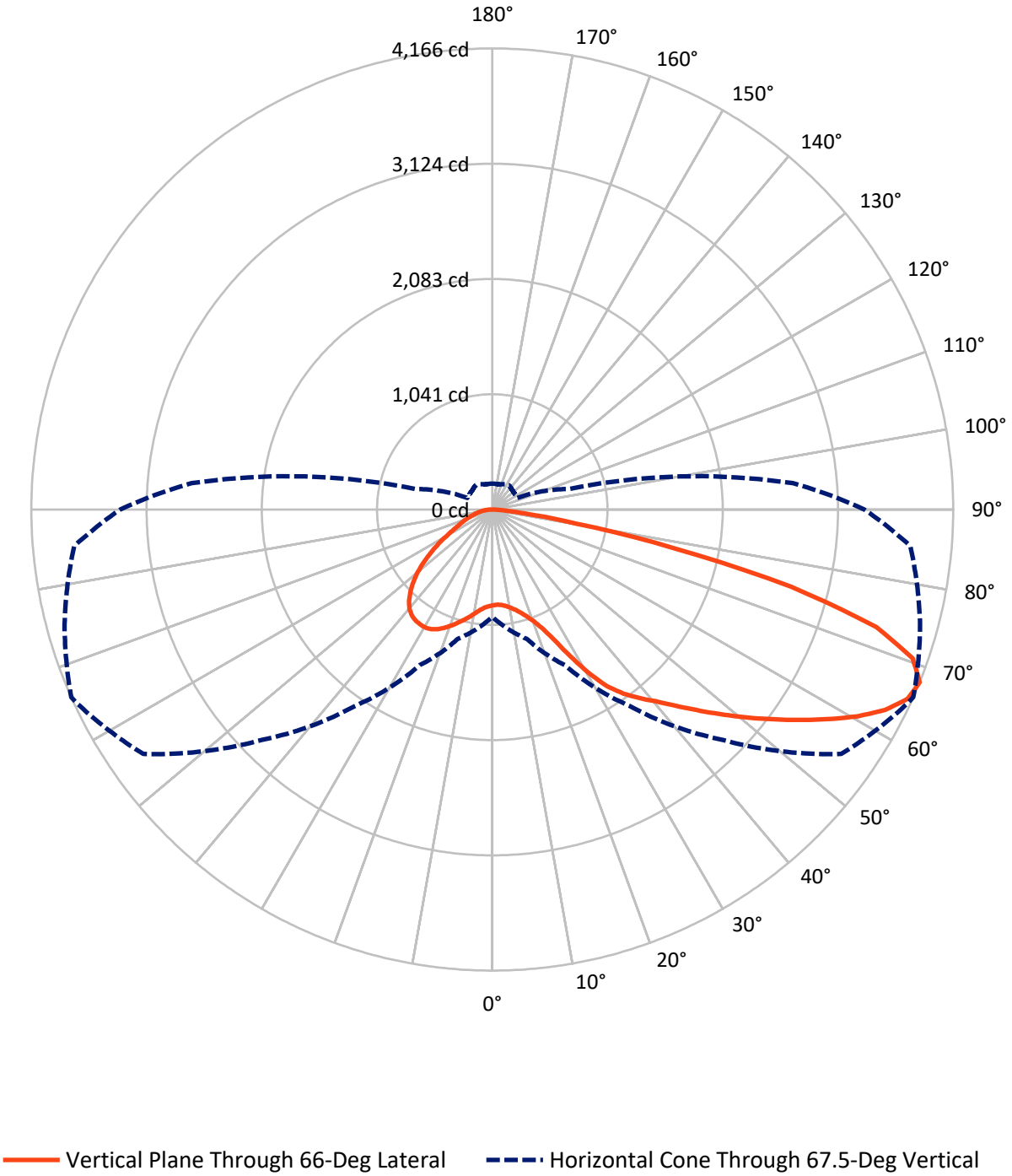
Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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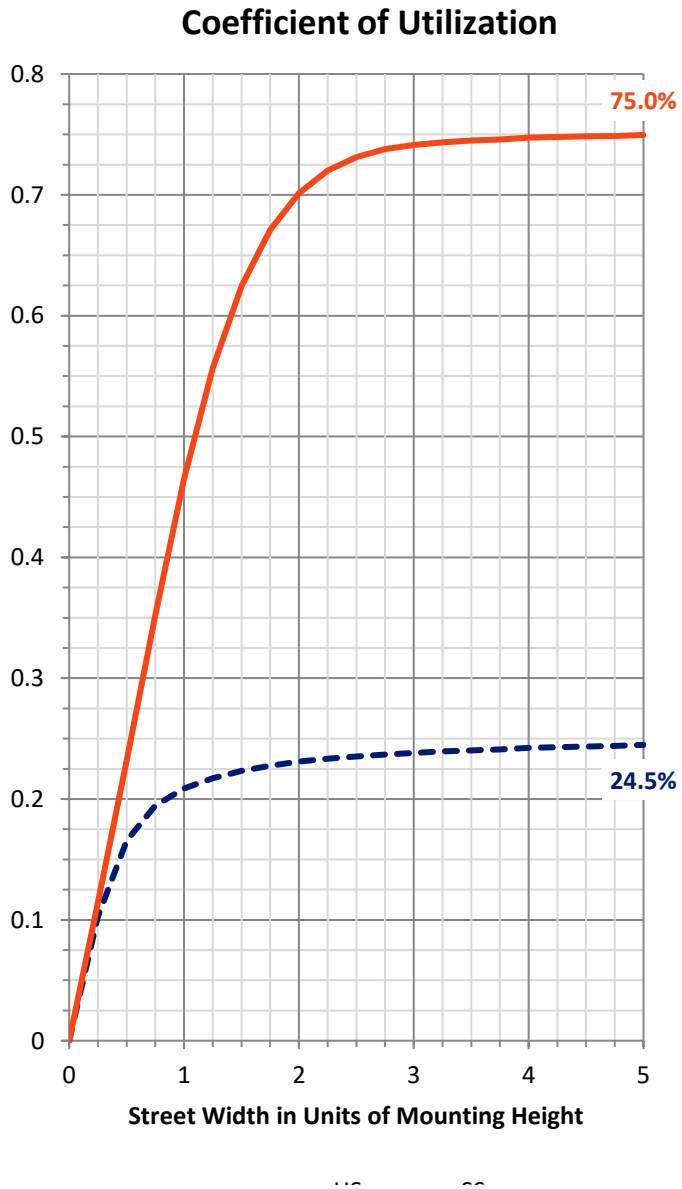
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1940.4	0.0	1940.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5863.6	0.0	5863.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	7804.0	0.0	7804.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.1
10°-20°	283.5	3.6
20°-30°	546.5	7.0
30°-40°	958.2	12.3
40°-50°	1424.5	18.3
50°-60°	1805.7	23.1
60°-70°	1766.8	22.6
70°-80°	842.8	10.8
80°-90°	90.1	1.2
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°	7804.0	100.0
0°-180°	7804.0	100.0



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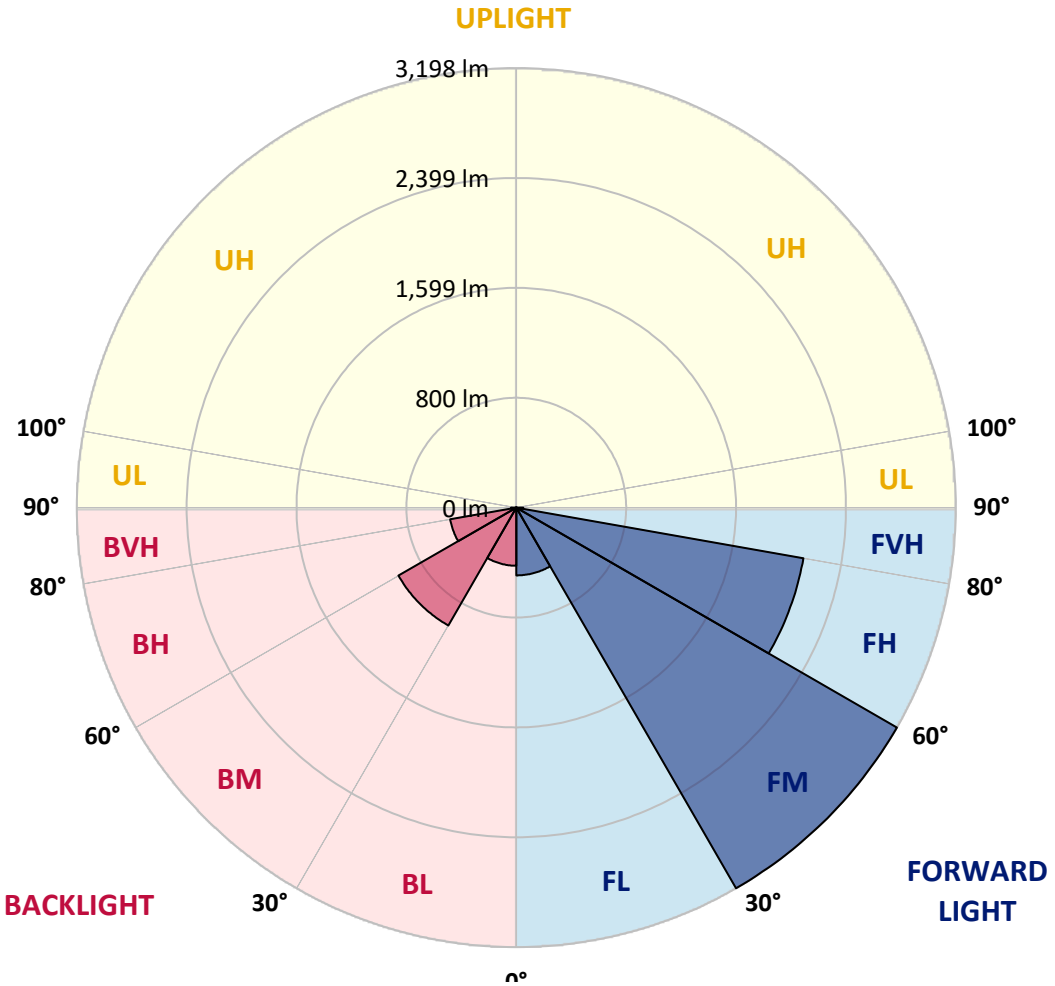
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	493.1	6.3			
FM	(30°-60°)	3198.0	41.0			
FH	(60°-80°)	2121.3	27.2			G2/5000
FVH	(80°-90°)	51.1	0.7			G1/100
BL	(0°-30°)	422.7	5.4	B1/500		
BM	(30°-60°)	990.4	12.7	B1/1000		
BH	(60°-80°)	488.3	6.3	B1/500		G1/500
BVH	(80°-90°)	39.0	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6	*865.6*	865.6	865.6
2.5°	856.5	861.5	860.2	858.2	857.8	858.6	859.8	861.1	*860.6*	862.7	866.0
5°	854.1	859.0	858.6	858.6	860.2	863.5	865.6	867.6	*865.6*	868.0	872.5
7.5°	855.7	859.4	861.1	862.7	866.8	872.9	877.9	882.4	*879.9*	882.8	888.5
10°	876.6	879.5	881.1	881.1	884.0	891.0	895.9	904.1	*902.1*	906.6	913.9
12.5°	914.8	917.6	917.6	916.0	918.1	922.6	924.2	933.2	*929.5*	936.9	944.3
15°	961.5	967.3	962.7	959.9	960.7	965.2	964.8	971.8	*968.1*	974.2	980.8
17.5°	1013.2	1020.6	1013.2	1012.8	1011.1	1016.0	1016.5	1022.6	*1016.0*	1020.6	1025.1
20°	1074.3	1084.5	1078.4	1080.4	1076.7	1078.8	1080.8	1089.9	*1079.6*	1082.9	1081.7
22.5°	1160.4	1172.7	1166.1	1173.9	1171.4	1169.8	1169.4	1185.4	*1169.4*	1170.6	1158.7
25°	1285.8	1300.6	1289.1	1299.8	1299.8	1305.1	1311.3	1331.8	*1305.1*	1297.3	1266.6
27.5°	1471.2	1485.9	1463.4	1469.9	1467.9	1481.0	1474.5	1525.3	*1496.6*	1483.9	1422.0
30°	1694.2	1720.5	1677.8	1676.2	1674.1	1695.1	1704.5	1738.1	*1709.0*	1696.3	1621.7
32.5°	1935.3	1962.8	1912.0	1897.2	1889.4	1902.1	1894.3	1921.4	*1901.3*	1881.6	1789.4
35°	2190.4	2217.4	2169.0	2140.3	2109.2	2082.5	2054.6	2061.6	*2042.8*	2012.8	1917.3
37.5°	2431.5	2481.1	2429.8	2399.1	2341.7	2289.6	2211.7	2179.3	*2161.7*	2134.2	2037.8
40°	2677.1	2705.4	2666.4	2640.2	2577.8	2496.2	2371.6	2303.1	*2279.3*	2252.7	2171.1
42.5°	2857.9	2884.9	2864.0	2846.0	2797.2	2702.5	2541.3	2455.7	*2421.2*	2391.3	2322.0
45°	3001.4	3021.5	3008.4	3014.9	2994.0	2902.2	2717.2	2619.3	*2583.6*	2547.1	2492.6
47.5°	3059.2	3080.5	3101.4	3140.4	3176.1	3108.4	2906.3	2796.4	*2758.7*	2721.3	2667.6
50°	3052.7	3074.4	3135.1	3217.9	3328.6	3306.0	3105.5	2985.0	*2950.1*	2907.5	2857.9
52.5°	3000.2	3024.8	3102.7	3240.4	3416.8	3454.1	3308.5	3179.8	*3147.0*	3096.1	3046.5
55°	2862.4	2877.2	2994.0	3189.2	3437.7	3557.4	3507.4	3387.2	*3354.4*	3283.5	3229.4
57.5°	2607.0	2628.3	2798.4	3051.0	3385.2	3627.5	3682.0	3605.4	*3573.8*	3471.7	3415.1
60°	2273.6	2307.6	2502.4	2818.9	3251.5	3627.1	3840.7	3819.8	*3793.6*	3657.0	3598.0
62.5°	1896.4	1935.7	2123.1	2490.9	3017.8	3524.2	3939.9	3999.4	*3985.9*	3828.0	3752.6
65°	1456.4	1483.5	1670.0	2066.5	2654.1	3303.2	3951.4	4122.0	*4124.5*	3958.0	3833.3
67.5°	*969.7*	*1047.6*	*1209.6*	*1550.7*	*2167.0*	*2941.9*	*3850.6*	*4142.1*	*4165.9*	*4002.7*	*3792.7*
70°	473.2	575.7	734.4	1007.8	1550.7	2388.0	3586.9	3977.3	*4030.2*	3872.3	3550.8
72.5°	196.4	229.6	316.1	497.4	890.2	1611.4	3057.2	3530.3	*3628.3*	3431.1	2985.4
75°	132.4	143.5	180.8	255.0	405.5	794.6	2204.7	2632.4	*2790.2*	2591.4	2118.2
77.5°	102.1	109.1	131.6	178.4	241.1	300.5	1180.1	1586.4	*1668.0*	1544.2	1102.2
80°	80.4	85.7	98.4	130.0	171.0	160.7	402.2	718.8	*765.9*	642.5	354.3
82.5°	69.7	71.8	70.5	88.2	113.6	93.9	132.0	265.3	*292.8*	212.4	115.6
85°	50.4	56.2	58.6	54.5	60.3	47.6	54.1	93.9	*103.3*	92.3	65.2
87.5°	20.5	30.3	37.3	35.3	22.1	13.5	16.8	27.5	*31.6*	34.4	21.3
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°	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6	865.6
2.5°	866.4	869.3	871.3	873.8	875.4	877.9	882.8	885.7	886.1	888.1	887.7
5°	874.2	878.3	882.8	889.3	896.7	902.9	912.3	918.9	921.3	923.4	923.0
7.5°	891.0	896.7	904.9	916.4	927.1	935.3	946.8	954.5	962.3	965.2	965.6
10°	916.0	924.2	936.1	951.7	963.2	973.8	985.7	992.3	1000.1	1003.3	1005.0
12.5°	947.2	955.8	971.4	993.1	1003.7	1011.1	1015.2	1013.6	1015.2	1018.1	1018.9
15°	982.8	992.3	1009.9	1033.3	1040.6	1034.1	1025.1	1016.9	1015.6	1016.5	1019.3
17.5°	1025.1	1032.0	1052.5	1072.2	1066.9	1039.8	1020.1	1007.0	1000.5	998.4	1001.3
20°	1084.1	1084.1	1100.9	1113.2	1077.6	1031.6	1000.9	979.6	966.0	960.3	959.1
22.5°	1155.9	1149.3	1160.0	1151.4	1075.5	1008.7	966.0	929.1	908.6	900.4	899.2
25°	1246.9	1239.1	1236.2	1182.9	1060.7	972.2	902.9	858.2	840.1	835.6	836.5
27.5°	1384.3	1364.6	1327.3	1200.1	1033.7	914.8	829.1	787.7	777.4	777.8	779.1
30°	1567.1	1527.8	1436.3	1203.0	989.4	833.6	753.6	724.1	719.2	721.2	728.2
32.5°	1736.5	1699.2	1547.9	1189.9	921.3	754.0	686.0	666.3	658.9	661.4	664.7
35°	1869.3	1859.1	1651.2	1171.4	837.7	679.4	625.3	608.5	594.1	590.8	593.3
37.5°	1994.8	1990.7	1728.7	1145.6	754.9	626.5	576.5	554.4	533.4	522.0	522.4
40°	2132.5	2128.4	1779.5	1105.8	681.5	580.6	532.6	503.5	477.7	456.8	458.8
42.5°	2287.5	2263.3	1803.7	1048.8	619.1	541.6	497.0	457.6	423.6	404.3	405.5
45°	2456.9	2402.3	1803.3	976.3	566.7	506.0	458.8	403.1	371.5	353.4	352.6
47.5°	2636.5	2535.2	1781.2	895.9	515.8	466.6	399.8	357.1	336.2	325.2	322.7
50°	2821.8	2659.4	1743.4	803.7	463.7	421.9	362.9	333.8	317.8	307.5	303.8
52.5°	2996.1	2772.2	1697.9	699.1	410.8	378.5	346.5	323.9	307.1	295.6	290.7
55°	3158.0	2869.4	1633.5	592.1	367.8	349.3	338.7	319.8	300.5	287.0	281.7
57.5°	3301.9	2932.5	1522.4	491.6	337.0	329.3	330.5	312.9	290.7	279.2	271.8
60°	3421.7	2978.8	1358.0	398.5	312.0	309.6	317.8	299.7	273.9	260.8	255.0
62.5°	3493.4	2978.0	1156.3	326.4	290.7	291.5	301.0	283.3	257.1	244.8	241.1
65°	3487.3	2905.0	934.9	279.2	270.2	271.0	283.3	265.3	243.1	235.8	235.4
67.5°	*3363.9*	*2727.1*	*717.1*	*248.5*	*247.7*	*251.3*	*265.7*	*253.0*	*234.5*	*233.7*	*234.9*
70°	3029.7	2357.7	516.6	223.9	224.3	229.6	248.5	245.2	230.0	231.7	231.3
72.5°	2429.4	1797.6	346.9	198.0	198.5	207.1	232.1	239.0	225.5	247.2	250.5
75°	1618.0	1121.0	223.1	170.6	171.0	182.1	217.7	227.2	213.2	246.4	248.5
77.5°	777.4	503.9	161.6	143.5	143.5	153.8	188.2	203.4	181.6	191.5	175.5
80°	268.6	189.4	127.1	115.6	113.2	120.1	158.7	176.3	156.6	144.3	135.3
82.5°	105.8	98.4	102.1	89.8	81.6	86.1	123.4	145.6	115.2	104.1	103.7
85°	60.7	64.0	72.2	59.5	47.2	52.9	90.6	104.6	86.9	76.7	78.3
87.5°	16.4	22.6	33.2	30.8	21.3	22.6	43.1	57.8	50.0	38.5	39.8
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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(END OF REPORT)