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: P1201600

Luminaire Tested: GWC-SB1B-827-U-T2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201600
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3595 lumens
Efficiency:	N/A
Efficacy:	90.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

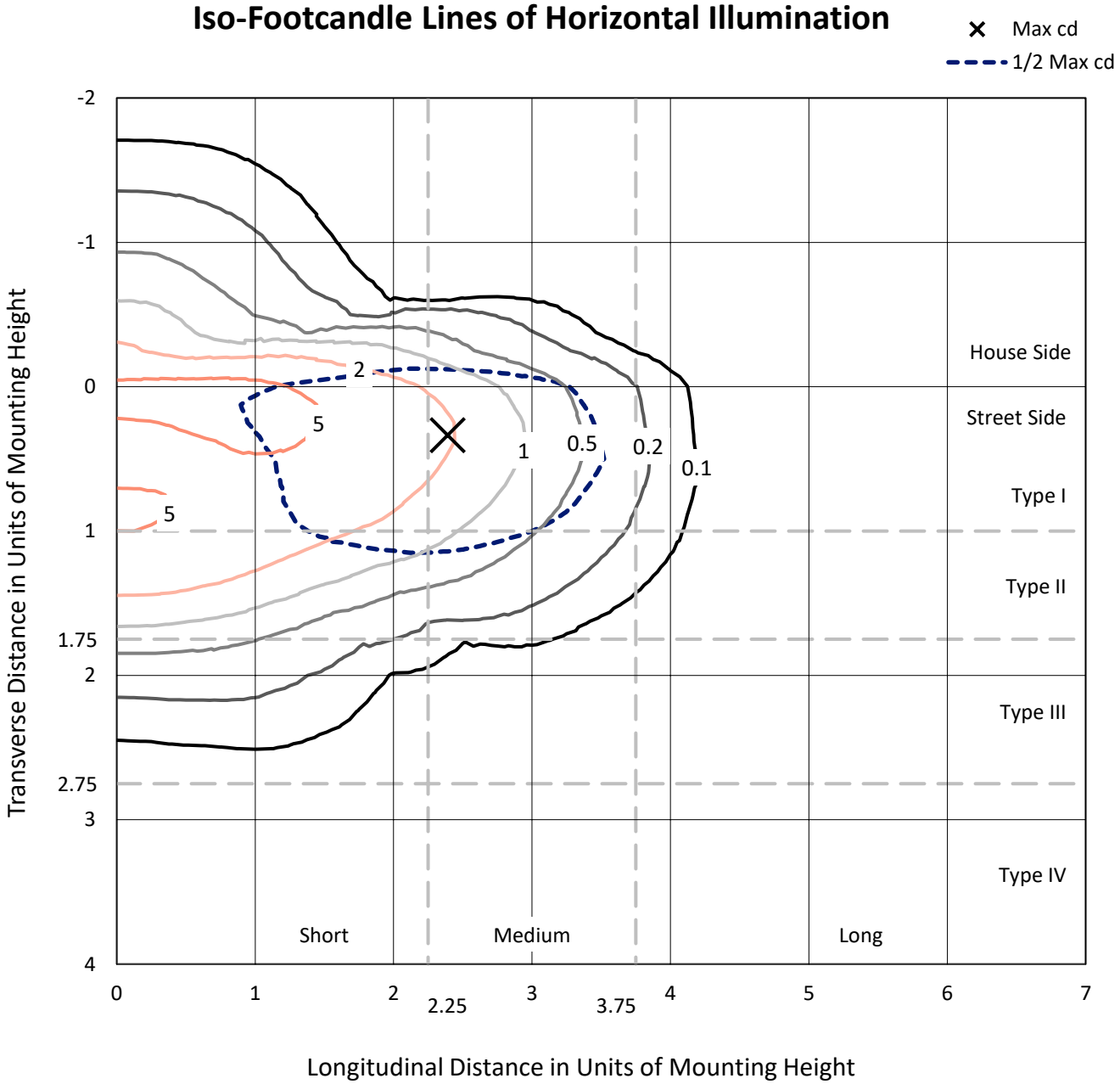


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Iso-Footcandle Lines of Horizontal Illumination



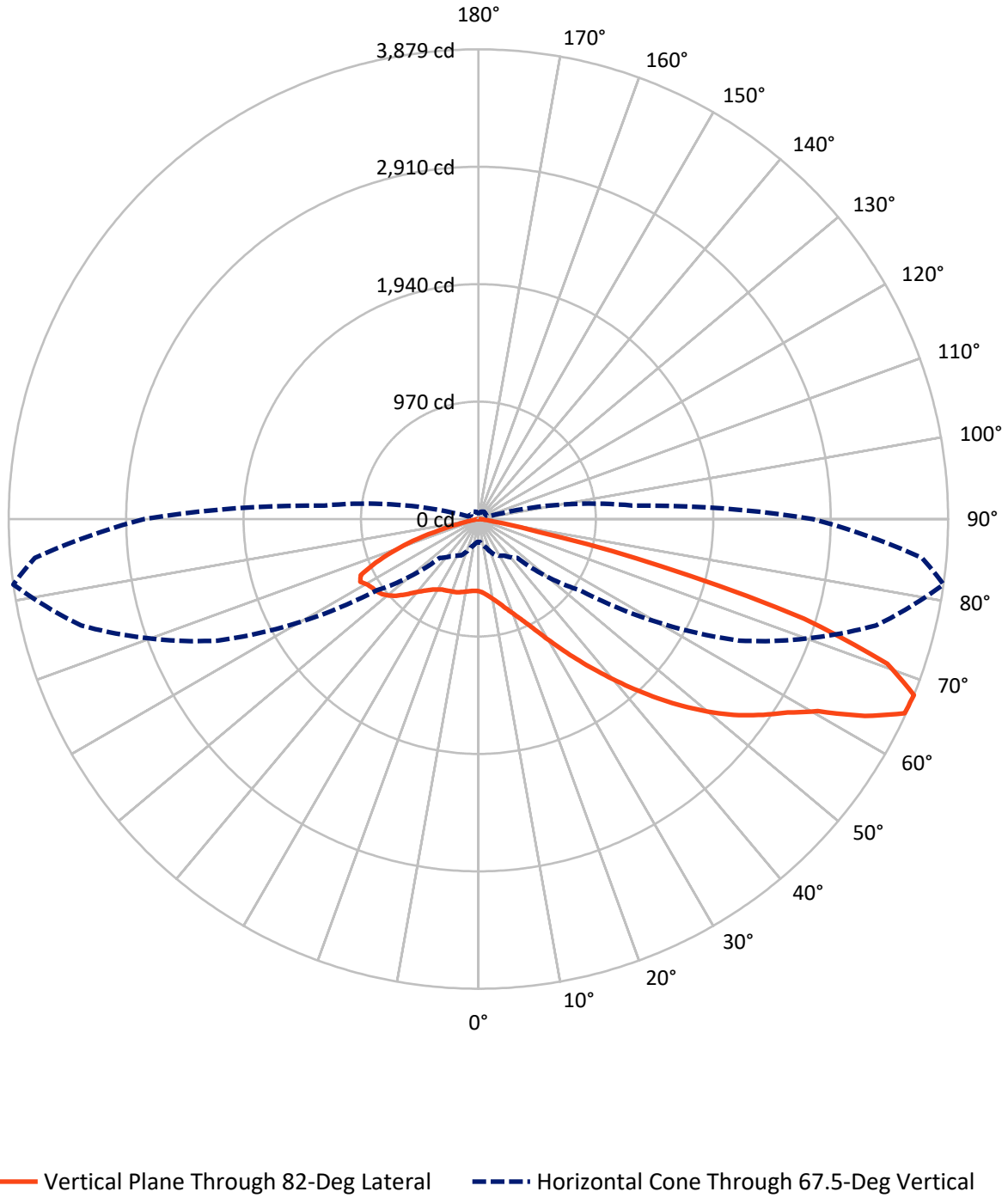
Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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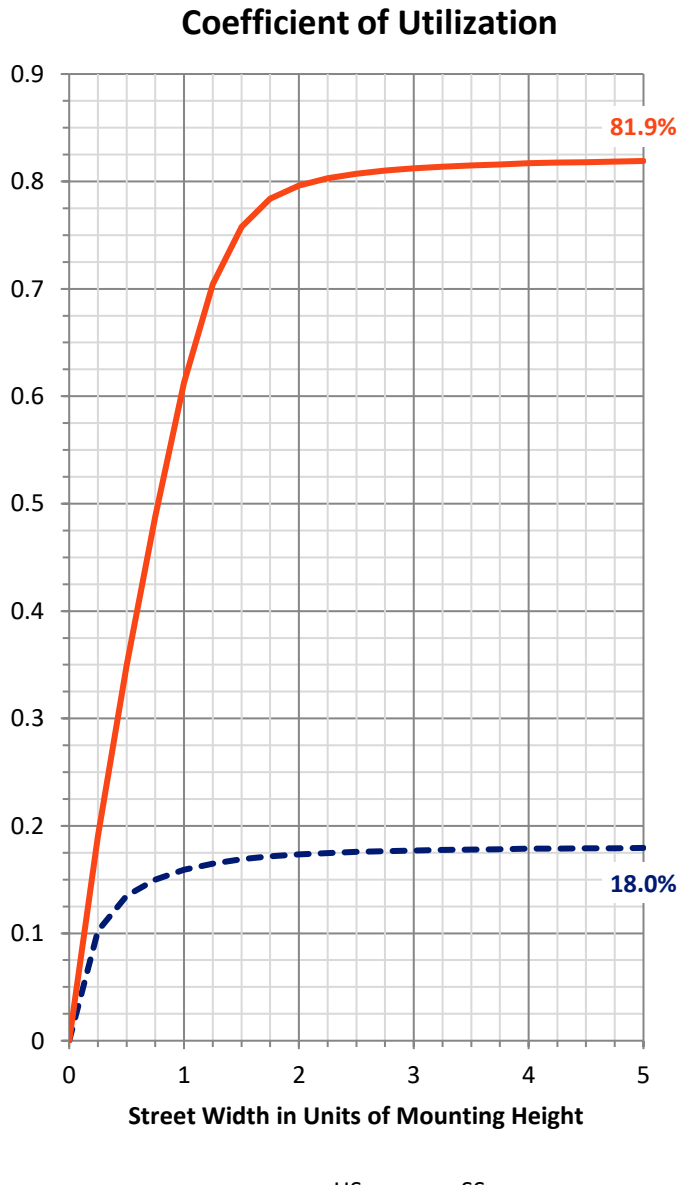
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	651.2	0.0	651.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2943.8	0.0	2943.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	3595.0	0.0	3595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	1.5
10°-20°	137.9	3.8
20°-30°	220.8	6.1
30°-40°	390.5	10.9
40°-50°	684.2	19.0
50°-60°	912.6	25.4
60°-70°	849.6	23.6
70°-80°	326.1	9.1
80°-90°	20.3	0.6
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°	3595.0	100.0
0°-180°	3595.0	100.0



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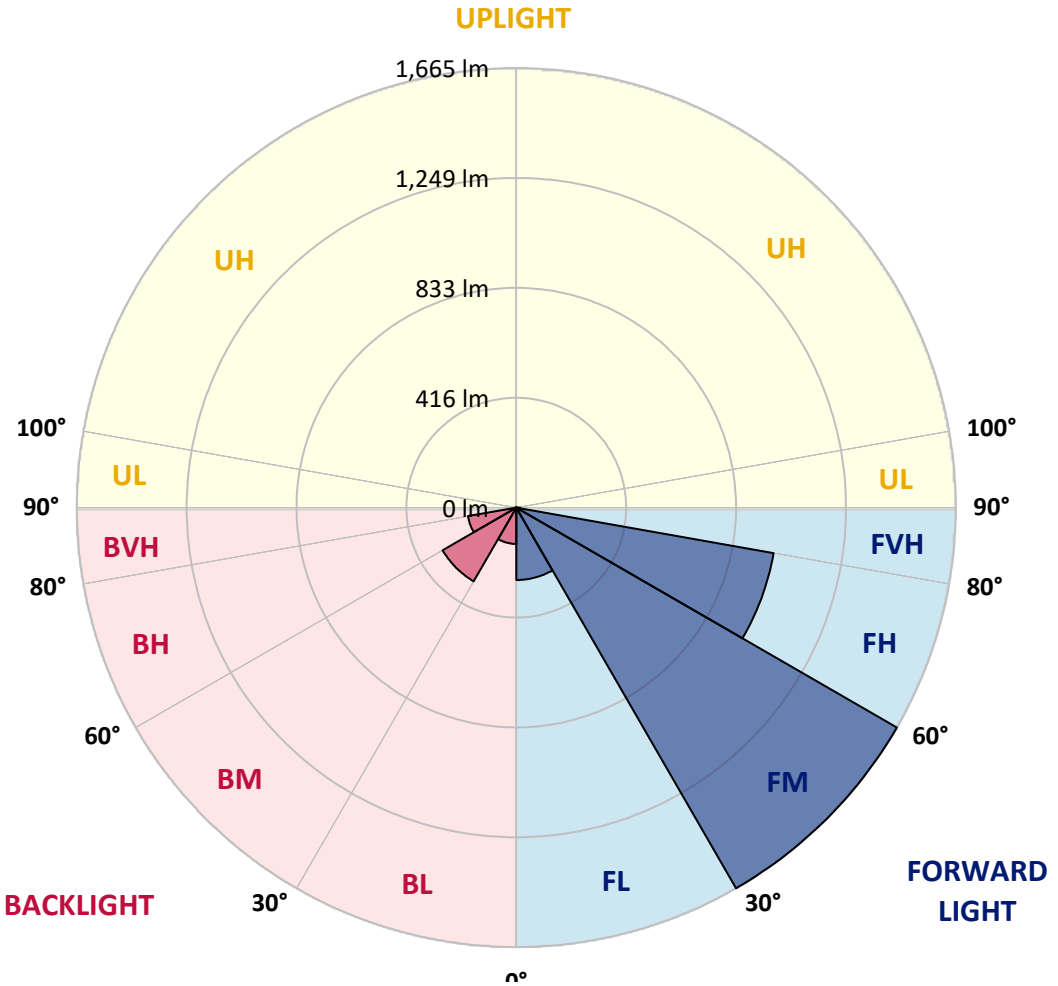
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	274.3	7.6			
FM	(30°-60°)	1665.1	46.3			
FH	(60°-80°)	989.8	27.5			G1/1800
FVH	(80°-90°)	14.7	0.4			G1/100
BL	(0°-30°)	137.5	3.8	B1/500		
BM	(30°-60°)	322.3	9.0	B1/1000		
BH	(60°-80°)	185.9	5.2	B1/500		G1/500
BVH	(80°-90°)	5.5	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	*595.6*	595.6
2.5°	629.5	633.1	631.0	630.0	628.2	625.6	623.5	617.1	610.3	*605.9*	604.4
5°	642.2	645.8	645.5	646.6	647.9	648.6	648.1	640.9	631.3	*623.8*	619.4
7.5°	631.3	635.4	638.8	644.0	653.0	662.6	667.3	665.7	655.9	*645.5*	640.1
10°	600.5	604.9	612.9	625.1	644.2	664.9	682.3	690.3	684.1	*672.7*	665.2
12.5°	544.1	548.5	564.3	590.7	622.7	658.7	691.9	713.3	714.9	*703.5*	694.7
15°	480.6	485.0	501.9	535.0	583.9	641.6	697.0	737.7	751.4	*741.6*	730.9
17.5°	441.3	445.2	457.9	484.5	535.5	607.5	695.2	763.6	794.9	*787.1*	774.4
20°	429.4	432.8	438.7	457.4	499.8	572.0	683.3	787.9	841.7	*837.3*	823.1
22.5°	442.1	445.2	447.0	455.3	481.9	548.7	668.3	812.7	896.1	*896.6*	879.2
25°	471.3	474.4	472.4	477.5	489.2	541.5	662.6	842.0	964.4	*970.1*	950.4
27.5°	519.5	519.7	514.8	514.6	516.4	552.3	668.6	873.3	1050.6	*1061.2*	1036.9
30°	616.0	612.1	593.2	572.8	563.5	585.0	685.1	910.3	1152.3	*1171.2*	1140.7
32.5°	764.8	759.2	724.5	675.5	626.4	637.5	714.9	952.5	1263.1	*1297.3*	1260.0
35°	926.4	924.8	888.6	815.8	729.9	712.3	763.3	1007.9	1384.0	*1438.3*	1394.1
37.5°	1076.5	1075.7	1055.0	969.3	864.8	816.6	840.9	1080.4	1513.4	*1592.1*	1539.8
40°	1213.7	1216.0	1195.3	1118.7	1013.3	950.4	946.5	1169.9	1657.3	*1759.5*	1697.4
42.5°	1332.2	1334.8	1313.8	1257.1	1160.1	1098.5	1076.2	1279.7	1797.8	*1939.4*	1865.9
45°	1412.7	1428.7	1425.6	1380.3	1310.7	1246.8	1232.0	1417.4	1958.1	*2130.2*	2044.0
47.5°	1435.5	1450.2	1473.5	1479.7	1437.3	1374.4	1392.0	1583.3	2120.1	*2321.2*	2223.1
50°	1379.3	1393.0	1441.4	1505.9	1535.4	1516.0	1547.5	1761.1	2286.0	*2511.7*	2398.8
52.5°	1268.5	1282.5	1343.6	1445.6	1565.9	1627.0	1703.6	1936.3	2446.7	*2692.1*	2565.3
55°	1108.3	1123.1	1201.5	1316.9	1507.7	1672.8	1833.8	2111.3	2594.0	*2854.4*	2715.4
57.5°	890.4	901.2	982.8	1144.3	1361.2	1627.3	1929.8	2302.3	2732.7	*3013.8*	2864.2
60°	580.3	589.9	684.6	864.8	1118.4	1475.1	1949.0	2515.3	2917.0	*3221.2*	3064.8
62.5°	385.9	392.4	448.6	580.8	787.6	1182.9	1836.9	2685.4	3187.2	*3582.0*	3408.8
65°	264.8	271.3	327.4	419.6	508.9	782.4	1514.7	2662.9	3432.1	*3868.5*	3663.8
67.5°	*188.9*	*194.4*	*242.0*	*329.0*	*368.3*	*454.5*	*1026.8*	*2375.0*	*3396.9*	*3879.4*	*3677.5*
70°	135.4	138.5	177.8	256.2	292.7	273.1	571.0	1816.5	2974.2	*3582.2*	3397.4
72.5°	94.7	95.8	123.5	195.2	235.8	199.3	271.8	1211.1	2249.5	*2811.7*	2633.9
75°	64.2	65.5	83.1	143.1	189.2	152.2	143.9	649.4	1320.6	*1556.4*	1395.1
77.5°	39.3	39.9	53.6	97.8	141.6	116.0	92.7	275.1	510.9	*501.6*	427.6
80°	22.3	22.3	34.2	60.8	96.5	74.8	65.0	117.0	161.8	*142.1*	125.3
82.5°	12.4	12.7	24.8	37.8	63.9	44.3	35.7	54.1	69.9	*61.9*	53.8
85°	5.2	5.7	15.3	17.9	30.5	22.0	14.5	22.8	25.9	*23.0*	16.8
87.5°	0.5	0.8	4.7	3.4	3.6	4.4	2.1	4.4	3.6	*3.6*	2.6
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°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6
2.5°	599.5	595.6	585.7	574.3	559.3	552.1	542.3	535.5	529.8	530.3	525.2
5°	611.1	601.3	579.3	551.8	517.7	493.3	467.4	449.6	435.1	432.0	425.0
7.5°	627.1	611.6	573.1	523.6	465.9	422.2	383.1	358.0	340.1	334.4	328.7
10°	647.9	625.3	565.0	488.2	405.1	349.4	307.5	287.8	275.7	271.5	268.4
12.5°	671.9	641.1	554.4	444.9	342.4	288.9	262.2	252.4	248.5	247.2	246.4
15°	702.2	660.8	538.4	393.7	289.4	251.8	240.5	239.2	239.7	239.2	238.9
17.5°	738.2	682.3	512.2	340.9	253.7	232.9	228.8	229.8	231.1	230.9	230.4
20°	777.5	703.5	478.8	294.0	229.3	219.5	217.2	218.2	219.2	218.7	218.5
22.5°	822.3	726.3	441.8	257.5	213.0	207.1	204.5	204.7	204.7	203.7	203.2
25°	875.9	751.4	403.0	231.7	200.6	195.9	192.8	191.8	190.2	187.1	186.6
27.5°	939.8	778.0	365.7	213.5	190.8	186.4	182.7	180.1	176.3	171.1	170.6
30°	1011.8	810.4	334.2	202.1	183.0	178.6	174.5	170.6	164.9	158.4	157.9
32.5°	1096.4	845.1	311.1	194.6	176.0	171.3	166.4	161.8	155.6	149.1	149.3
35°	1197.4	887.0	297.7	189.5	170.6	164.4	158.9	153.7	149.1	143.4	142.9
37.5°	1306.8	931.5	293.5	186.9	166.9	157.4	151.2	147.5	147.0	143.7	143.4
40°	1426.7	984.3	296.6	185.3	163.1	150.6	143.9	143.1	144.4	138.5	138.7
42.5°	1553.5	1047.0	301.8	183.5	157.6	143.9	137.4	137.4	136.4	128.1	128.1
45°	1690.7	1119.2	307.0	179.1	151.2	137.2	132.3	130.5	126.1	118.0	117.8
47.5°	1828.9	1192.7	310.9	171.1	143.4	131.5	127.1	122.9	116.5	109.2	109.0
50°	1960.1	1258.7	306.7	159.2	134.6	126.1	121.4	115.7	108.7	103.8	103.0
52.5°	2077.4	1315.9	289.1	145.2	125.3	120.4	116.2	110.3	104.6	99.4	98.9
55°	2179.4	1362.2	258.1	132.0	117.0	115.4	111.3	103.8	96.0	91.6	91.1
57.5°	2277.2	1397.4	219.2	121.1	109.5	110.0	103.8	97.1	89.8	85.2	84.6
60°	2407.4	1444.5	179.9	111.0	101.5	103.0	96.3	91.4	82.3	76.4	75.6
62.5°	2615.5	1517.8	142.9	98.6	92.1	92.7	89.8	83.9	73.0	66.0	65.5
65°	2780.6	1490.9	112.6	85.2	81.5	82.3	82.3	75.8	64.2	56.2	55.4
67.5°	*2762.0*	*1276.6*	*89.8*	*72.0*	*71.4*	*72.0*	*73.8*	*68.3*	*56.9*	*50.5*	*49.4*
70°	2544.3	1015.4	72.0	59.8	62.1	60.8	66.0	62.4	51.2	44.8	44.0
72.5°	2076.1	731.5	54.9	49.4	47.6	49.7	59.5	56.2	42.7	35.5	34.7
75°	1213.1	390.3	40.9	39.1	34.4	41.4	52.8	47.9	32.6	26.1	25.4
77.5°	395.0	136.1	30.0	28.7	25.6	33.4	45.0	40.4	26.7	20.7	19.9
80°	105.9	41.2	20.4	18.9	16.6	24.8	35.7	32.1	19.2	13.5	13.2
82.5°	42.4	17.3	11.9	10.6	9.1	17.1	28.2	25.9	14.2	8.5	8.5
85°	13.7	5.7	4.4	3.4	4.1	10.6	16.8	17.6	10.1	4.4	3.4
87.5°	1.8	0.8	0.8	1.0	0.8	1.8	5.2	4.9	2.8	0.5	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)