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: P1201227

Luminaire Tested: GWC-SB1A-827-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201227
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-827-U-T2
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3885 lumens
Efficiency:	N/A
Efficacy:	125.7 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):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

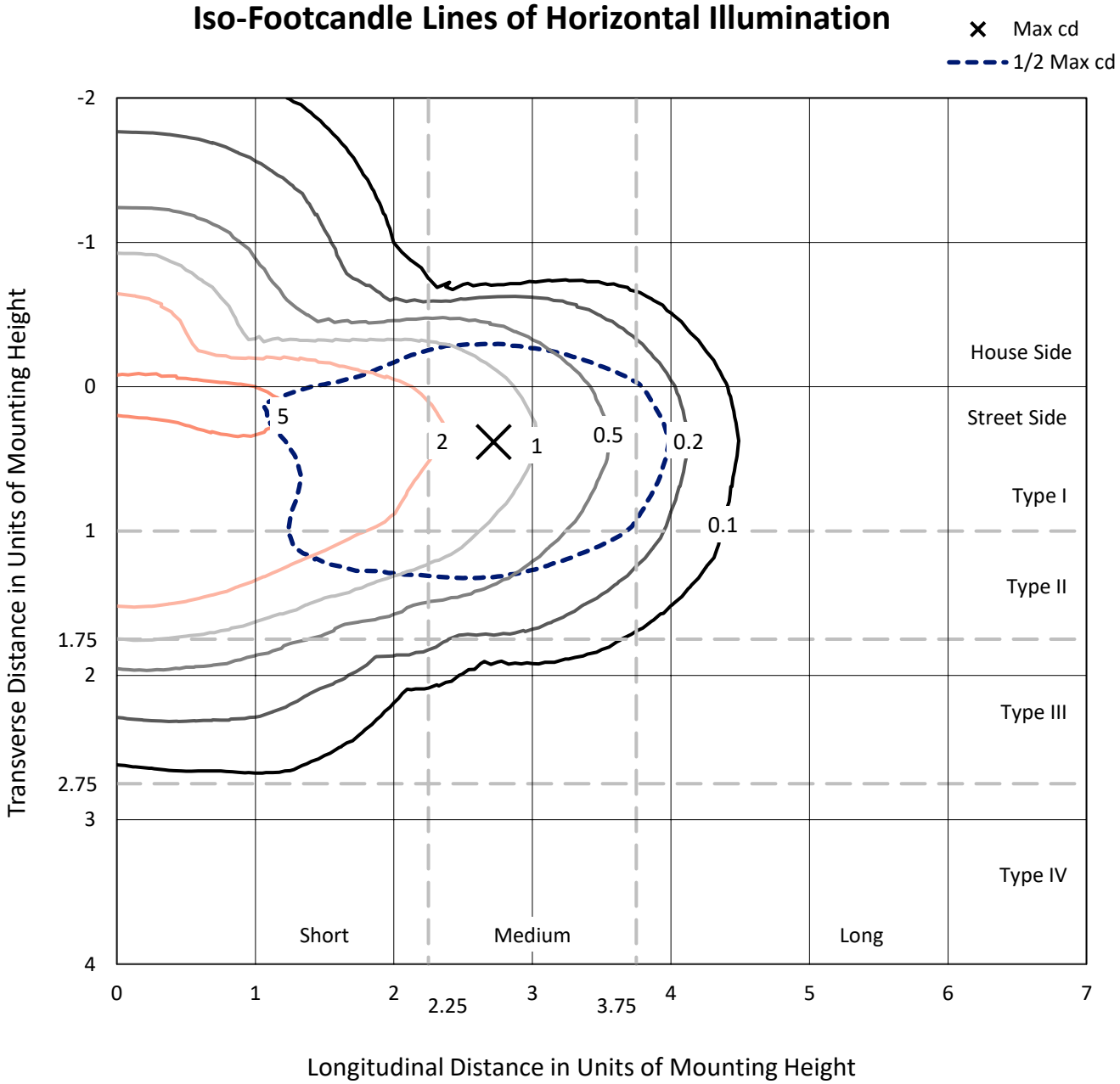


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Iso-Footcandle Lines of Horizontal Illumination



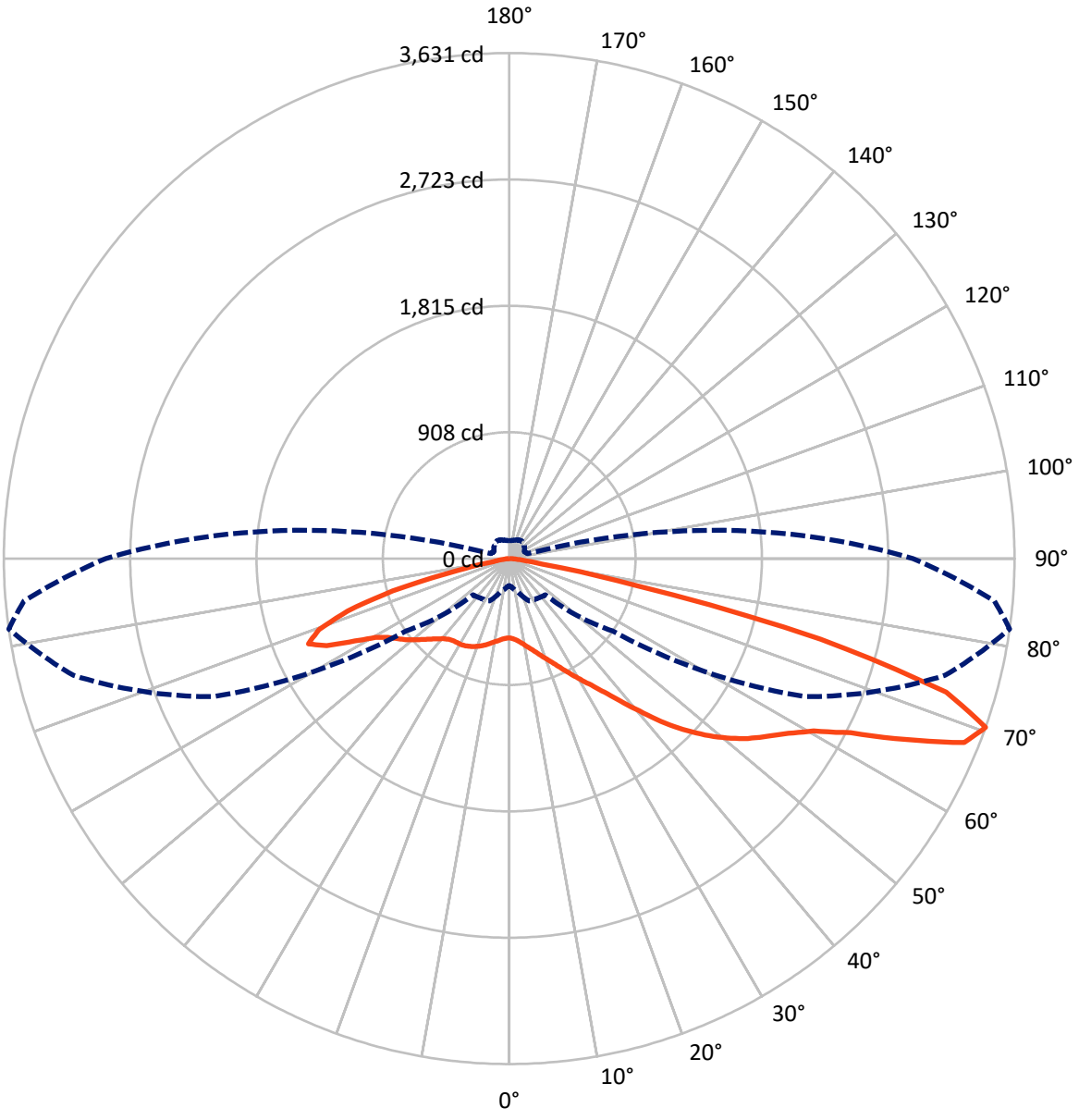
Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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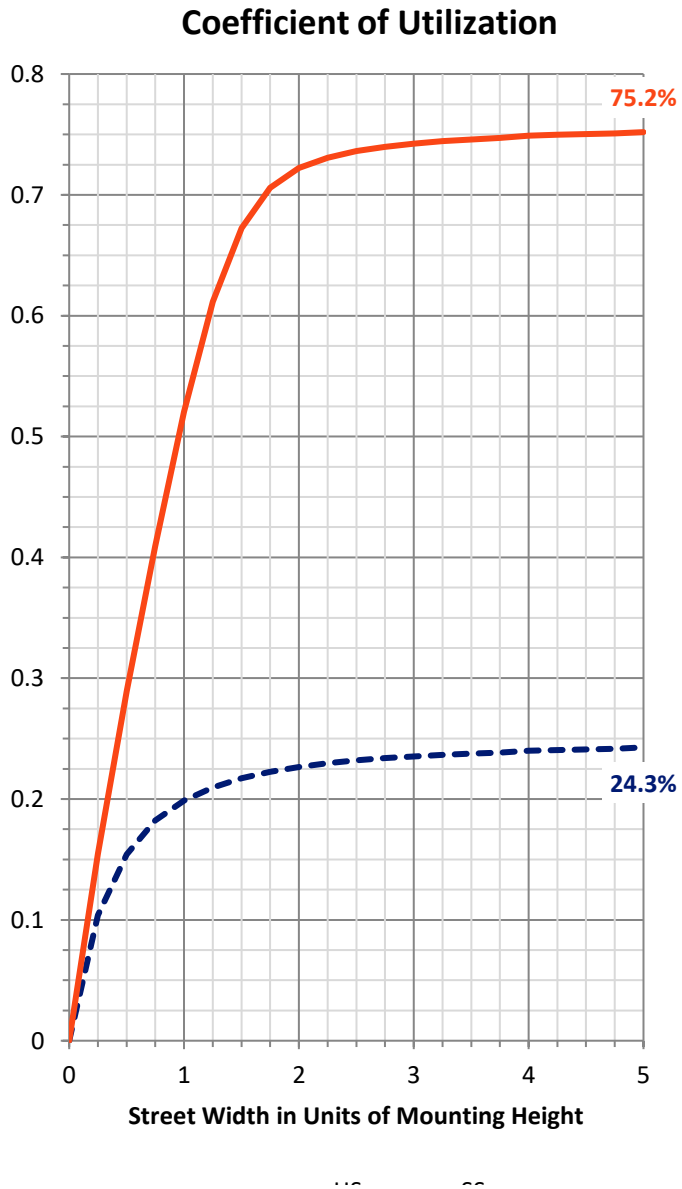
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	957.7	0.0	957.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2927.3	0.0	2927.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	3885.0	0.0	3885.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	1.4
10°-20°	154.5	4.0
20°-30°	258.5	6.7
30°-40°	403.8	10.4
40°-50°	643.1	16.6
50°-60°	895.0	23.0
60°-70°	936.2	24.1
70°-80°	489.3	12.6
80°-90°	50.8	1.3
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°	3885.0	100.0
0°-180°	3885.0	100.0



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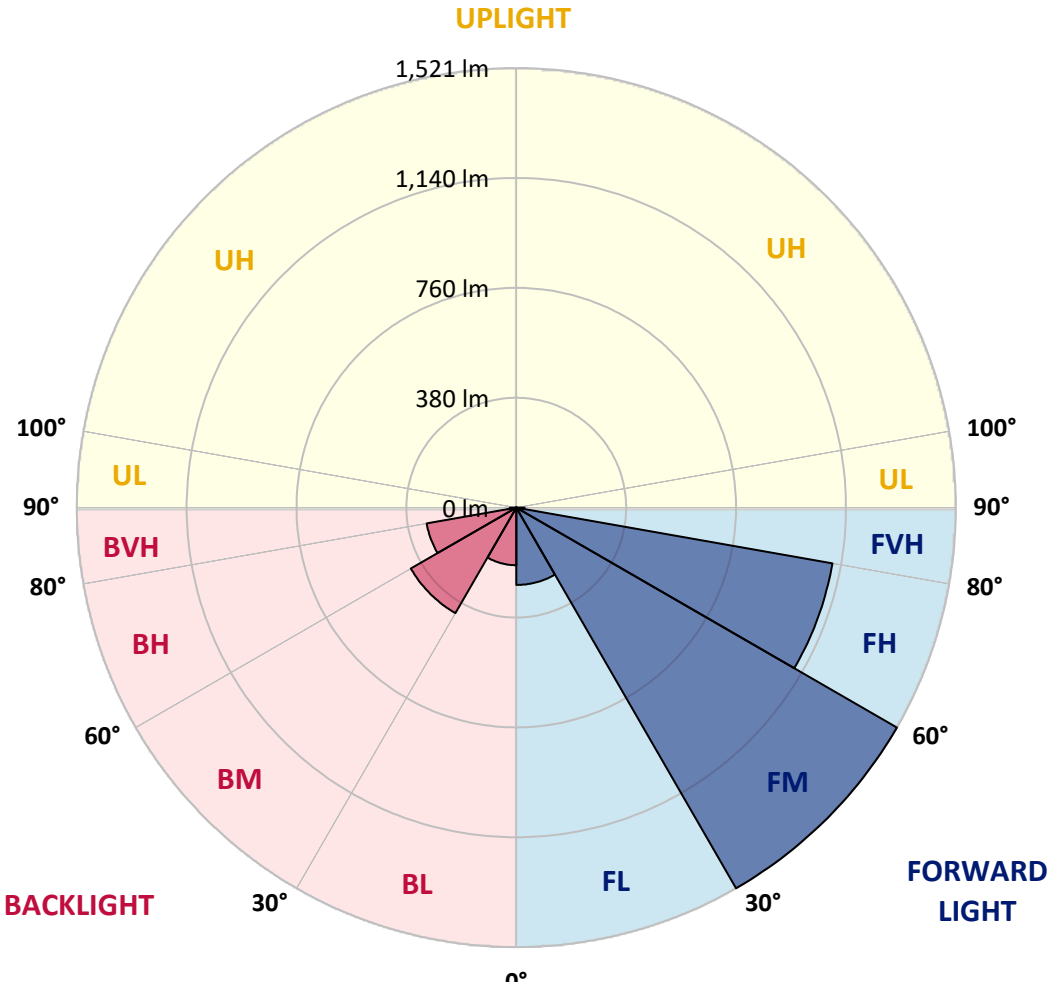
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	267.5	6.9			
FM	(30°-60°)	1520.6	39.1			
FH	(60°-80°)	1110.7	28.6			G1/1800
FVH	(80°-90°)	28.4	0.7			G1/100
BL	(0°-30°)	199.2	5.1	B1/500		
BM	(30°-60°)	421.4	10.8	B1/1000		
BH	(60°-80°)	314.8	8.1	B1/500		G1/500
BVH	(80°-90°)	22.4	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-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	569.6	569.6	569.6	569.6	569.6	569.6	569.6	569.6	569.6	*569.6*	569.6
2.5°	583.2	586.5	585.5	584.4	584.4	583.0	582.8	580.7	579.1	*576.4*	575.8
5°	590.6	594.1	593.7	594.5	597.2	597.8	598.5	597.2	593.9	*590.6*	589.2
7.5°	584.0	587.9	589.2	594.1	602.4	609.8	615.4	617.6	614.5	*609.8*	607.5
10°	561.8	566.1	570.4	582.2	596.8	614.3	629.2	638.0	637.4	*632.9*	629.0
12.5°	516.6	521.1	530.4	553.3	580.1	611.0	638.6	657.2	663.6	*660.3*	653.5
15°	480.5	484.5	491.5	515.0	549.8	596.8	642.2	678.2	694.5	*692.7*	684.4
17.5°	479.5	481.2	485.5	496.6	523.4	574.5	638.4	698.8	730.0	*729.8*	719.5
20°	497.6	498.3	500.7	503.0	518.3	557.6	629.0	716.0	769.8	*769.8*	758.6
22.5°	522.8	522.4	524.9	522.8	530.2	556.2	623.0	731.0	814.1	*817.4*	803.4
25°	560.5	558.5	557.8	553.1	554.5	569.6	629.6	748.1	866.7	*873.5*	855.9
27.5°	610.8	607.5	605.3	594.3	590.6	597.2	649.8	768.7	925.2	*936.9*	914.7
30°	676.4	670.4	667.1	648.1	634.7	635.8	680.3	796.1	986.4	*1005.4*	977.1
32.5°	765.8	756.6	747.7	716.6	692.0	684.0	719.7	834.1	1052.8	*1083.1*	1046.8
35°	866.0	858.6	849.1	801.1	763.4	744.8	772.9	887.1	1130.5	*1178.6*	1131.3
37.5°	962.5	956.1	960.7	895.9	847.3	820.3	842.5	958.2	1226.4	*1297.3*	1237.3
40°	1062.3	1057.3	1058.0	996.1	939.4	909.1	927.1	1047.4	1336.3	*1438.5*	1364.7
42.5°	1170.7	1167.0	1154.6	1099.8	1036.1	1007.9	1024.4	1150.5	1454.2	*1599.3*	1504.5
45°	1292.1	1289.9	1278.3	1215.5	1142.5	1110.7	1133.0	1264.3	1572.7	*1750.6*	1644.9
47.5°	1397.1	1398.9	1397.5	1344.5	1268.8	1222.3	1248.9	1383.1	1683.0	*1892.9*	1779.5
50°	1447.6	1457.3	1471.5	1455.0	1408.0	1360.6	1365.7	1497.7	1788.1	*2026.2*	1908.5
52.5°	1421.2	1439.5	1478.3	1504.7	1522.8	1512.9	1499.1	1611.5	1887.1	*2146.6*	2030.6
55°	1322.9	1348.6	1412.9	1476.6	1569.2	1641.2	1659.3	1737.6	1983.6	*2252.6*	2146.0
57.5°	1143.7	1185.6	1243.3	1372.1	1528.0	1703.2	1846.1	1912.7	2085.8	*2365.8*	2266.8
60°	836.6	892.6	964.4	1156.1	1383.7	1670.0	2005.0	2181.5	2231.2	*2512.3*	2424.1
62.5°	535.4	570.0	636.0	816.6	1078.2	1499.9	2053.7	2517.5	2477.5	*2752.7*	2659.9
65°	366.5	388.8	449.2	550.6	697.0	1116.5	1923.4	2769.4	2868.8	*3133.7*	3063.2
67.5°	266.3	283.2	334.8	423.6	454.1	660.7	1492.5	2757.9	3249.1	*3526.2*	3416.5
70°	*194.2*	*206.1*	*249.4*	*334.8*	*349.4*	*367.6*	*904.2*	*2344.3*	*3240.9*	*3630.5*	*3499.2*
72.5°	143.9	152.1	181.2	259.7	282.8	248.2	447.5	1703.8	2784.9	*3283.7*	3178.4
75°	104.1	110.3	131.7	198.7	226.4	189.0	223.3	995.7	1942.5	*2309.9*	2328.5
77.5°	79.6	84.3	98.3	145.5	181.2	141.8	138.5	458.1	921.1	*925.6*	977.6
80°	63.9	67.0	74.6	102.5	138.9	106.2	90.3	184.9	291.1	*246.3*	258.5
82.5°	47.0	52.2	63.1	71.9	99.4	73.2	55.0	93.4	110.7	*95.2*	96.1
85°	26.8	30.3	38.1	51.5	63.5	44.7	31.5	41.4	51.5	*42.3*	37.7
87.5°	9.5	12.4	13.4	20.2	27.6	18.6	12.2	12.0	16.9	*12.6*	10.5
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°	569.6	569.6	569.6	569.6	569.6	569.6	569.6	569.6	569.6	569.6	569.6
2.5°	573.7	572.7	568.6	563.0	557.2	551.7	549.8	545.9	543.2	541.8	543.4
5°	585.3	582.0	572.3	559.9	546.9	532.9	523.0	513.9	507.3	501.1	503.6
7.5°	601.7	596.0	579.3	557.6	534.5	511.2	493.9	480.7	471.9	466.1	467.3
10°	620.9	612.1	586.5	554.1	518.5	485.1	464.7	453.3	447.8	444.7	445.5
12.5°	643.0	630.4	593.9	546.1	493.9	455.8	441.8	438.5	438.7	438.9	439.3
15°	670.2	652.7	599.9	528.6	462.0	433.3	430.9	436.2	441.8	444.5	444.3
17.5°	700.9	676.2	600.9	499.7	430.6	418.9	426.7	438.3	446.7	450.4	451.3
20°	733.9	700.1	593.5	458.9	404.9	407.1	421.2	436.0	445.3	450.0	451.3
22.5°	771.6	725.6	575.8	416.0	383.8	394.4	410.9	425.3	435.0	439.7	441.0
25°	814.7	754.3	547.9	379.9	365.7	379.9	396.4	408.4	416.2	420.5	421.8
27.5°	862.5	784.2	510.8	351.3	349.8	365.1	378.7	388.0	392.1	395.4	396.6
30°	910.6	811.4	465.9	329.6	336.0	350.5	360.1	364.3	365.5	366.1	367.6
32.5°	962.5	834.9	418.7	311.7	322.8	336.2	342.0	343.9	338.1	334.2	335.4
35°	1025.4	860.1	372.5	297.5	309.8	321.4	323.2	321.6	314.8	306.7	307.2
37.5°	1103.1	891.4	335.6	287.4	297.7	305.3	303.0	302.6	303.2	293.8	294.4
40°	1198.3	932.2	308.6	279.5	287.8	289.4	283.0	286.5	289.6	275.2	275.6
42.5°	1304.1	981.5	291.5	274.2	279.5	275.6	265.7	269.6	269.2	250.3	250.1
45°	1411.9	1035.1	285.5	270.3	271.9	264.1	253.2	254.2	245.5	228.4	229.0
47.5°	1519.1	1092.6	289.2	267.0	262.4	253.6	245.1	240.6	227.8	215.0	215.0
50°	1624.2	1153.0	302.8	260.4	249.4	244.3	238.1	230.1	216.5	205.5	204.7
52.5°	1721.8	1213.8	318.1	249.4	233.2	236.2	232.3	223.1	209.7	198.5	198.7
55°	1814.1	1274.6	324.1	234.4	217.9	229.2	227.0	209.9	193.8	184.7	183.9
57.5°	1914.7	1347.8	317.5	215.2	205.5	221.2	212.5	193.6	184.3	177.5	176.9
60°	2054.1	1462.6	303.2	191.5	193.8	209.2	194.4	186.6	176.5	168.8	168.4
62.5°	2285.6	1676.8	280.4	168.0	180.0	191.5	185.7	177.9	167.6	160.2	160.2
65°	2627.8	1974.5	237.3	149.7	164.5	174.2	176.5	168.6	157.9	150.1	150.5
67.5°	2916.4	2161.3	179.6	134.4	148.6	160.2	166.6	158.9	147.6	140.0	140.2
70°	*2900.5*	*2025.6*	*137.1*	*119.4*	*134.6*	*146.4*	*154.6*	*148.6*	*136.5*	*129.3*	*129.9*
72.5°	2576.2	1694.5	110.9	104.1	120.4	131.9	141.8	137.3	124.9	117.9	117.9
75°	1892.7	1202.9	88.6	88.6	102.7	116.9	127.8	124.9	113.6	108.6	107.2
77.5°	797.8	504.7	69.5	73.6	85.3	100.4	114.0	115.0	105.1	111.3	101.0
80°	212.1	139.2	53.0	57.9	67.0	82.9	99.2	98.7	88.0	82.3	76.5
82.5°	80.8	54.8	37.7	40.8	48.4	63.5	78.5	81.0	70.3	60.8	60.8
85°	31.1	23.5	23.3	24.5	28.2	42.1	59.4	61.4	53.0	44.9	46.4
87.5°	8.0	7.0	8.7	8.2	13.0	22.5	34.0	35.3	32.4	18.8	26.8
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)