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: P1201604

Luminaire Tested: GWC-SB1B-827-U-T4FT-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201604
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3728 lumens
Efficiency:	N/A
Efficacy:	93.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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

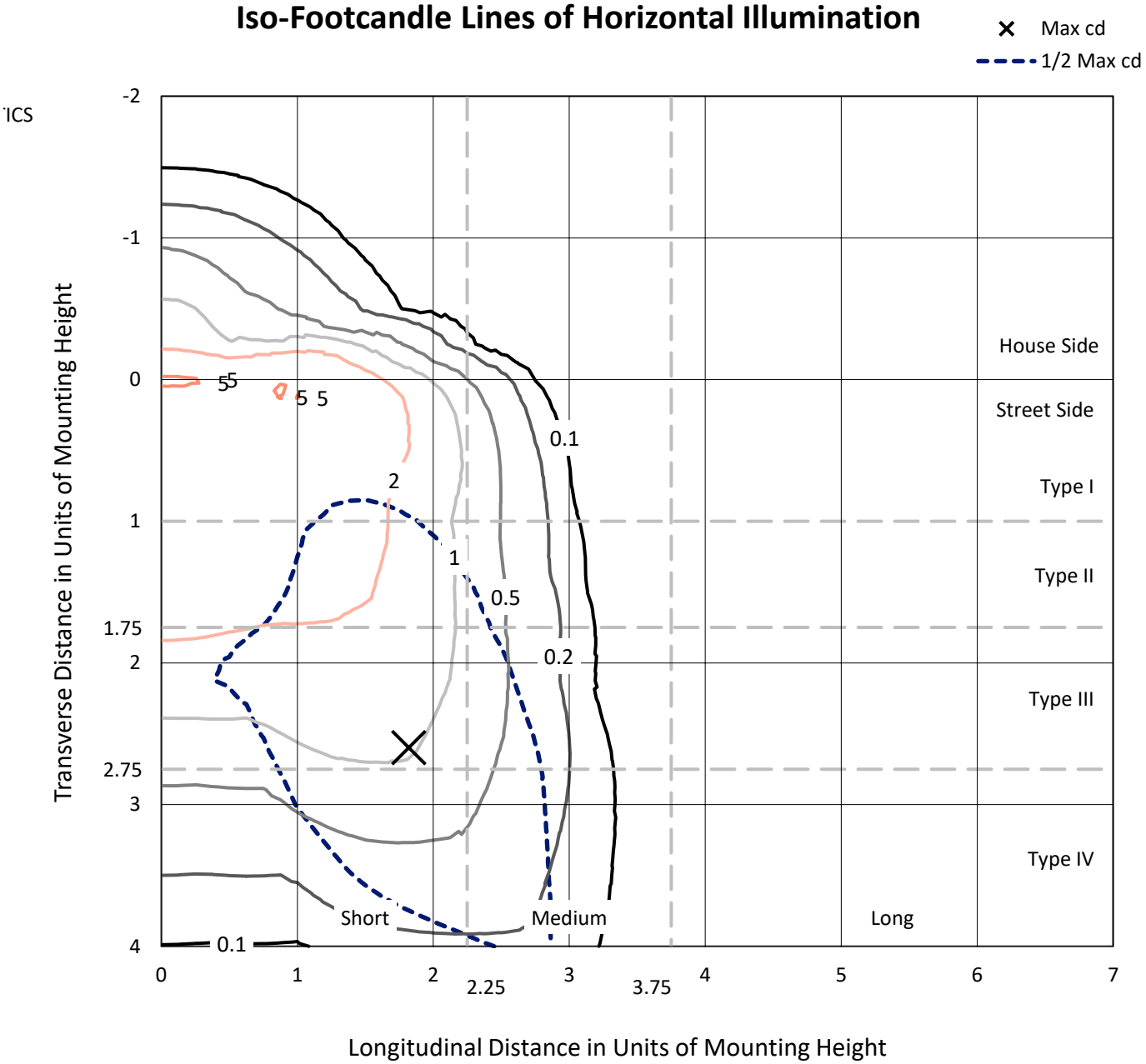


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Iso-Footcandle Lines of Horizontal Illumination



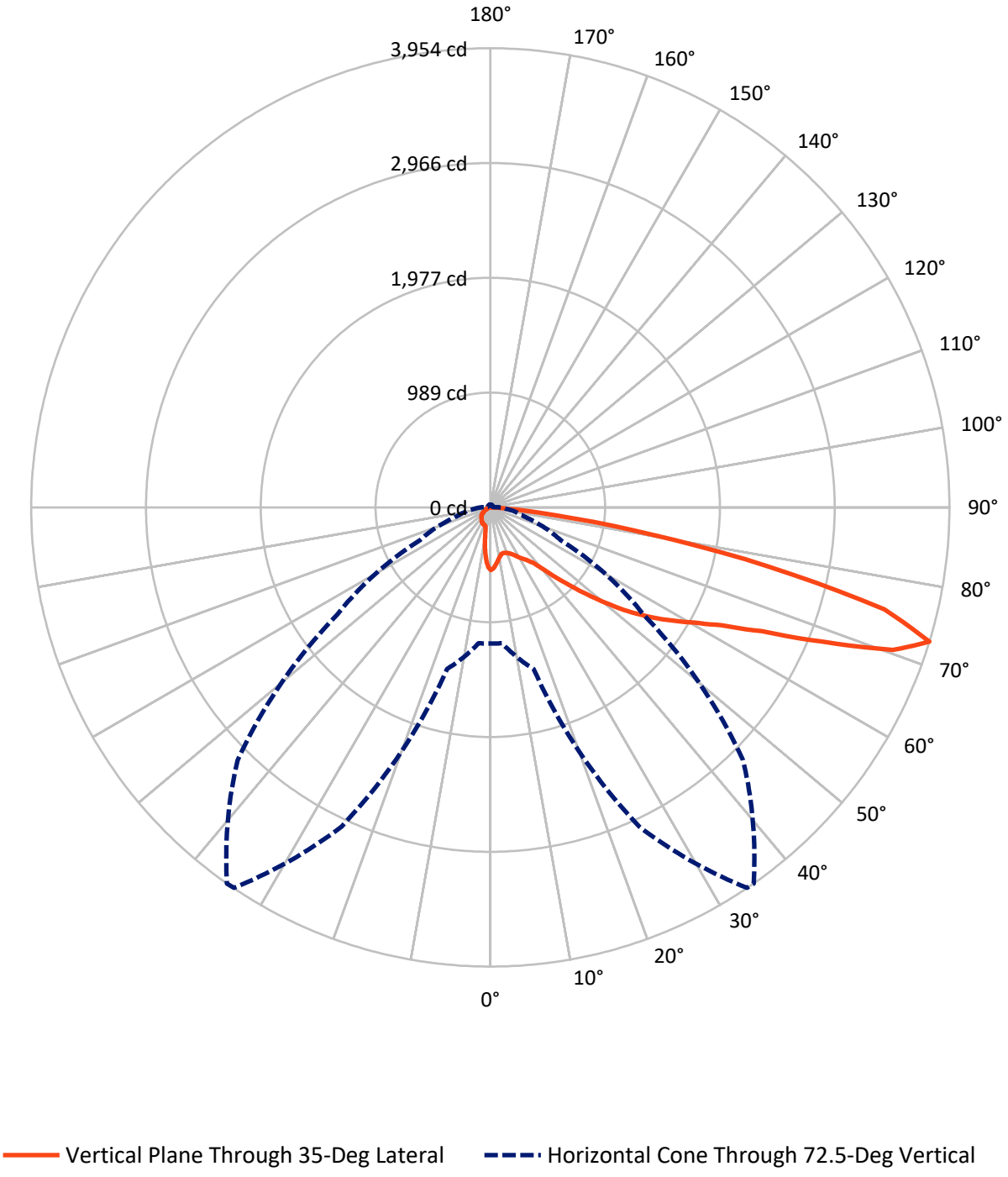
Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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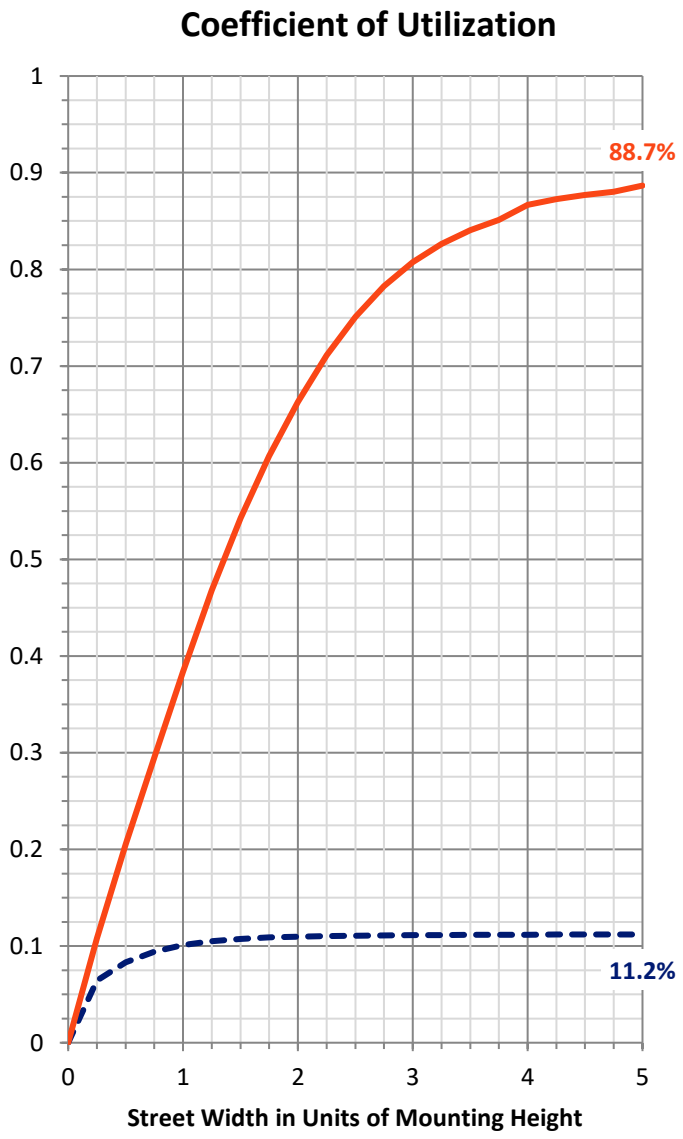
REPORT NUMBER: P1201604
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	419.6	0.0	419.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	3308.4	0.0	3308.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	3728.0	0.0	3728.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.2
10°-20°	103.9	2.8
20°-30°	168.7	4.5
30°-40°	281.5	7.6
40°-50°	532.6	14.3
50°-60°	846.4	22.7
60°-70°	1047.0	28.1
70°-80°	650.8	17.5
80°-90°	52.6	1.4
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°	3728.0	100.0
0°-180°	3728.0	100.0



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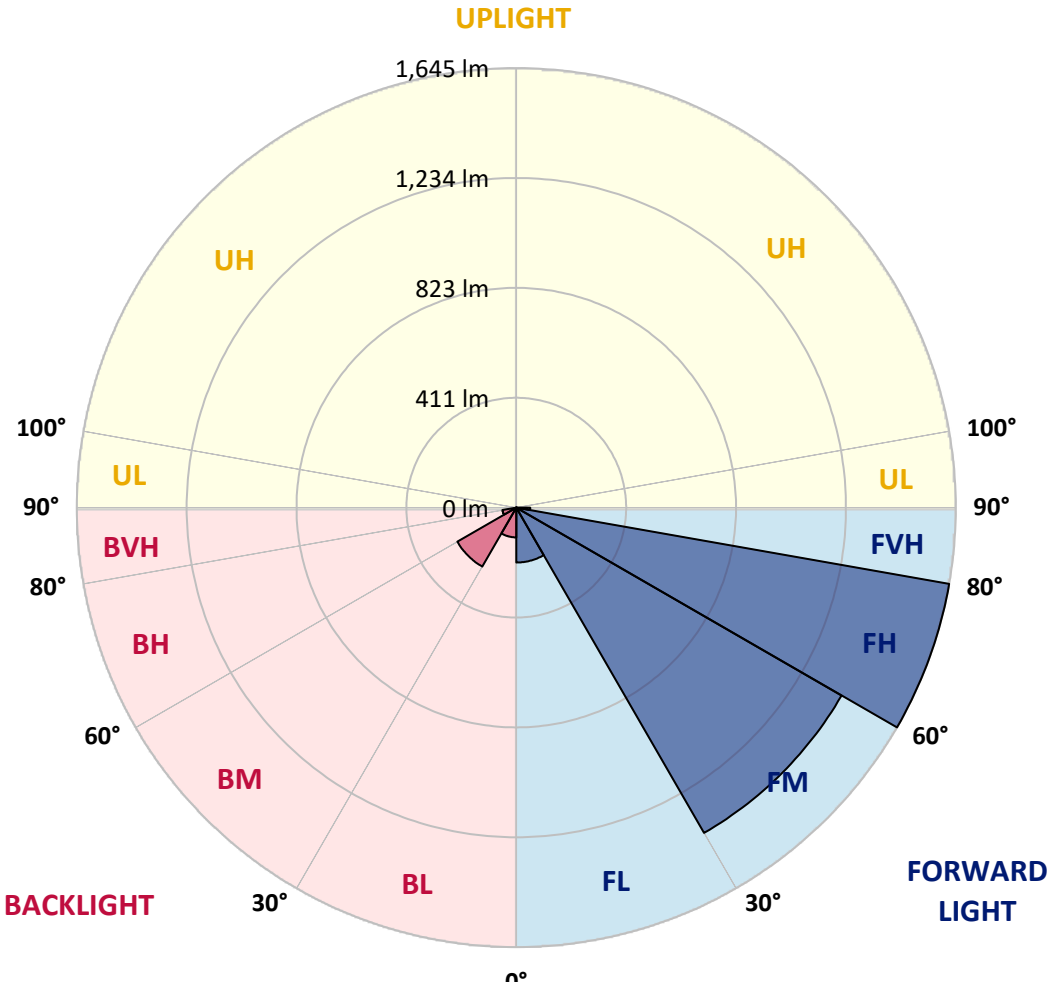
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	205.5	5.5			
FM	(30°-60°)	1405.8	37.7			
FH	(60°-80°)	1645.2	44.1			G1/1800
FVH	(80°-90°)	51.9	1.4			G1/100
BL	(0°-30°)	111.5	3.0	B1/500		
BM	(30°-60°)	254.7	6.8	B1/1000		
BH	(60°-80°)	52.6	1.4	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	540.3	540.3	540.3	540.3	540.3	*540.3*	540.3	540.3	540.3	540.3	540.3
2.5°	516.3	520.6	521.5	522.8	522.8	*524.5*	527.2	531.0	537.3	540.6	542.8
5°	475.8	479.1	483.2	486.5	492.8	*493.6*	504.3	514.6	529.1	540.0	547.7
7.5°	435.1	439.0	444.4	452.4	460.5	*463.0*	479.1	496.6	519.6	540.0	552.9
10°	406.5	406.7	411.7	419.6	432.7	*435.7*	455.4	480.2	508.9	536.8	557.8
12.5°	390.3	392.3	394.4	400.5	413.0	*414.9*	436.0	465.2	498.2	534.8	563.5
15°	390.3	391.7	393.1	396.1	406.2	*407.8*	426.4	455.6	492.8	535.7	572.8
17.5°	394.4	396.6	395.5	399.1	409.7	*410.8*	427.2	452.9	492.5	540.9	587.0
20°	404.3	405.9	403.7	405.9	416.6	*418.8*	435.7	458.1	497.2	549.9	604.8
22.5°	419.8	420.7	415.5	417.1	428.0	*430.8*	450.4	472.8	508.4	564.4	628.5
25°	439.5	441.2	433.2	435.1	445.5	*448.8*	471.5	495.0	526.1	584.3	658.9
27.5°	462.2	463.0	456.2	455.9	469.3	*473.9*	496.9	522.3	549.9	609.4	697.1
30°	488.1	490.6	484.0	482.9	499.9	*503.7*	526.4	555.9	584.8	647.1	751.5
32.5°	508.6	510.5	506.7	509.4	526.7	*529.7*	562.2	603.4	639.7	700.7	825.5
35°	538.1	539.2	530.5	535.4	555.1	*562.7*	611.1	670.1	708.9	767.9	922.2
37.5°	644.9	644.9	607.8	583.5	602.3	*609.1*	678.0	753.9	794.1	858.0	1044.0
40°	792.7	790.3	735.9	686.2	683.7	*697.1*	773.3	859.6	904.2	966.2	1181.1
42.5°	950.3	946.5	872.5	823.3	815.1	*819.8*	883.4	989.9	1035.3	1098.1	1328.7
45°	1090.2	1089.1	1021.3	955.2	940.5	*955.2*	1020.8	1142.4	1174.9	1241.0	1475.9
47.5°	1207.4	1207.4	1157.9	1114.8	1107.1	*1115.9*	1206.8	1311.4	1308.4	1393.1	1619.3
50°	1342.3	1341.2	1294.2	1275.7	1283.6	*1295.9*	1421.0	1489.5	1446.7	1542.5	1747.4
52.5°	1436.8	1443.4	1427.3	1424.3	1464.7	*1486.0*	1638.4	1663.8	1570.4	1684.3	1843.3
55°	1511.7	1519.3	1537.9	1558.9	1636.8	*1664.6*	1849.0	1829.1	1673.9	1807.2	1898.5
57.5°	1617.7	1606.7	1635.4	1676.9	1802.9	*1836.5*	2053.1	1985.1	1757.2	1906.9	1904.5
60°	1746.3	1748.0	1752.9	1805.3	1968.7	*2011.8*	2254.1	2132.6	1810.8	1968.1	1837.8
62.5°	1900.9	1903.4	1913.5	1994.1	2191.3	*2232.0*	2468.3	2253.3	1835.4	1950.9	1665.7
65°	1890.3	1900.7	2013.5	2289.1	2529.7	*2569.9*	2718.2	2338.0	1798.2	1793.6	1356.2
67.5°	1722.0	1738.9	1927.7	2641.5	3040.0	*3084.8*	3020.3	2354.6	1637.9	1394.8	884.8
70°	1501.3	1507.3	1734.3	2958.3	3630.9	*3676.2*	3290.8	2171.4	1242.9	778.0	396.4
72.5°	*1172.4*	*1173.8*	*1440.1*	*3031.8*	*3951.5*	*3954.0*	*3078.5*	*1611.9*	*668.4*	*298.8*	*137.7*
75°	837.5	829.3	964.5	2458.7	3476.5	*3504.4*	2307.9	756.1	255.4	141.2	68.6
77.5°	449.1	458.1	545.8	1458.1	2401.6	*2449.2*	1259.3	218.0	130.0	96.2	45.3
80°	138.8	146.4	223.7	667.6	1360.3	*1389.0*	466.8	97.0	90.7	68.6	29.8
82.5°	43.7	45.3	104.3	280.5	564.6	*577.7*	135.2	54.9	62.0	45.3	17.5
85°	12.6	12.8	46.4	104.6	139.6	*142.3*	38.0	21.3	35.5	28.1	9.0
87.5°	1.4	4.4	17.5	17.5	12.3	*12.0*	4.1	4.6	10.1	3.6	1.6
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°	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3	540.3
2.5°	541.4	541.7	538.1	532.1	525.6	520.1	513.3	507.8	504.0	502.9	504.8
5°	545.2	543.3	533.2	514.9	493.1	474.2	453.2	436.5	425.6	420.9	422.6
7.5°	551.0	545.5	523.4	487.3	445.5	408.4	370.7	341.5	322.9	313.6	315.0
10°	555.9	545.0	507.0	447.4	383.5	327.2	276.4	241.2	221.5	212.2	212.5
12.5°	560.5	544.7	485.7	400.2	313.6	244.8	197.5	180.0	174.5	172.6	172.1
15°	569.3	545.5	458.9	346.1	243.9	184.9	167.7	167.4	168.5	168.0	167.7
17.5°	581.3	546.3	428.6	288.7	188.2	163.1	162.3	164.7	166.4	165.5	165.3
20°	596.9	549.6	396.4	231.9	161.7	157.6	159.5	161.7	163.1	161.7	161.4
22.5°	618.7	555.3	361.1	186.3	153.2	154.3	156.0	158.4	159.8	157.9	157.6
25°	645.5	564.4	326.4	162.0	149.1	150.5	153.0	155.7	157.3	155.4	155.2
27.5°	680.2	578.8	294.5	156.5	145.0	145.9	149.4	153.5	155.7	153.2	153.2
30°	730.4	602.6	266.9	159.0	142.6	140.7	145.6	151.3	153.8	151.6	151.3
32.5°	797.1	636.2	249.9	162.8	141.5	134.7	139.3	146.7	150.8	149.4	149.4
35°	884.5	687.3	243.4	167.2	140.7	128.4	131.7	139.6	146.7	148.1	148.1
37.5°	990.5	758.3	245.3	169.1	138.2	123.2	124.8	131.7	141.0	145.3	146.4
40°	1110.9	841.1	256.2	167.2	135.5	118.8	119.1	124.3	132.5	139.0	141.2
42.5°	1235.2	937.8	276.4	160.1	133.0	115.0	114.2	117.7	123.2	127.8	129.8
45°	1353.5	1037.2	296.4	150.2	130.0	111.2	109.3	110.6	111.7	113.6	114.7
47.5°	1456.8	1107.1	290.6	141.2	125.9	106.8	103.5	103.0	99.7	99.4	99.2
50°	1528.1	1122.4	258.1	132.2	119.9	101.9	96.7	93.4	87.7	85.0	85.2
52.5°	1550.7	1062.0	210.9	123.2	110.1	95.3	88.0	82.8	75.7	73.2	72.9
55°	1520.7	943.8	168.5	112.3	96.4	86.6	78.4	71.6	65.8	62.8	62.8
57.5°	1447.2	793.3	133.3	99.4	81.9	76.8	68.6	61.7	56.8	53.8	53.3
60°	1325.4	629.9	105.4	84.1	69.9	66.1	57.6	53.3	48.9	45.3	44.5
62.5°	1140.4	449.6	82.8	66.7	58.5	54.1	49.2	45.9	40.7	35.8	35.0
65°	890.0	275.1	63.9	48.9	47.0	44.8	41.8	38.8	32.5	27.6	26.8
67.5°	561.3	130.3	45.6	36.9	37.1	36.1	34.7	32.2	27.6	23.2	22.7
70°	247.2	63.1	30.0	28.1	27.6	27.6	28.7	27.9	23.5	19.4	18.6
72.5°	*84.1*	*33.9*	*22.4*	*21.3*	*19.9*	*19.7*	*24.0*	*23.2*	*18.8*	*15.0*	*14.2*
75°	44.0	22.7	16.4	15.3	12.0	14.5	19.1	18.0	13.4	9.8	9.0
77.5°	28.7	16.1	11.2	9.8	6.8	9.6	14.2	12.6	7.9	4.9	4.4
80°	18.0	10.7	6.6	4.6	3.3	5.2	7.6	5.5	3.0	1.1	0.8
82.5°	9.6	5.5	2.5	1.6	1.4	1.6	1.9	1.4	0.5	0.0	0.0
85°	3.8	1.9	0.8	0.5	0.3	0.0	0.5	0.3	0.0	0.0	0.0
87.5°	1.4	0.3	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)