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: P1201139

Luminaire Tested: GWC-SB1A-735-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201139
	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-735-U-T2
Description:	GALLEON WALL LUMINAIRE
	(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4468 lumens
Efficiency:	N/A
Efficacy:	144.6 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

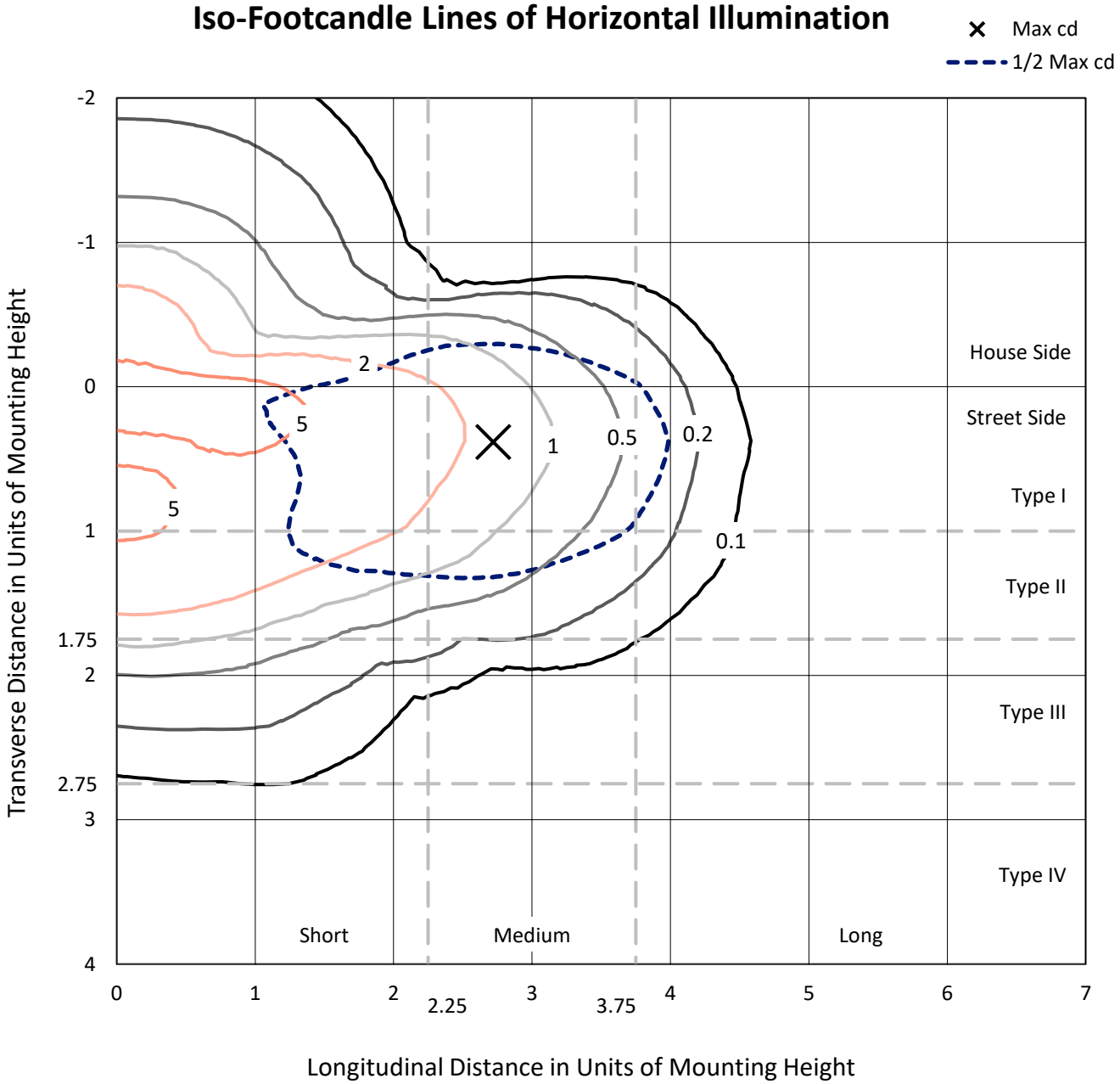


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Iso-Footcandle Lines of Horizontal Illumination



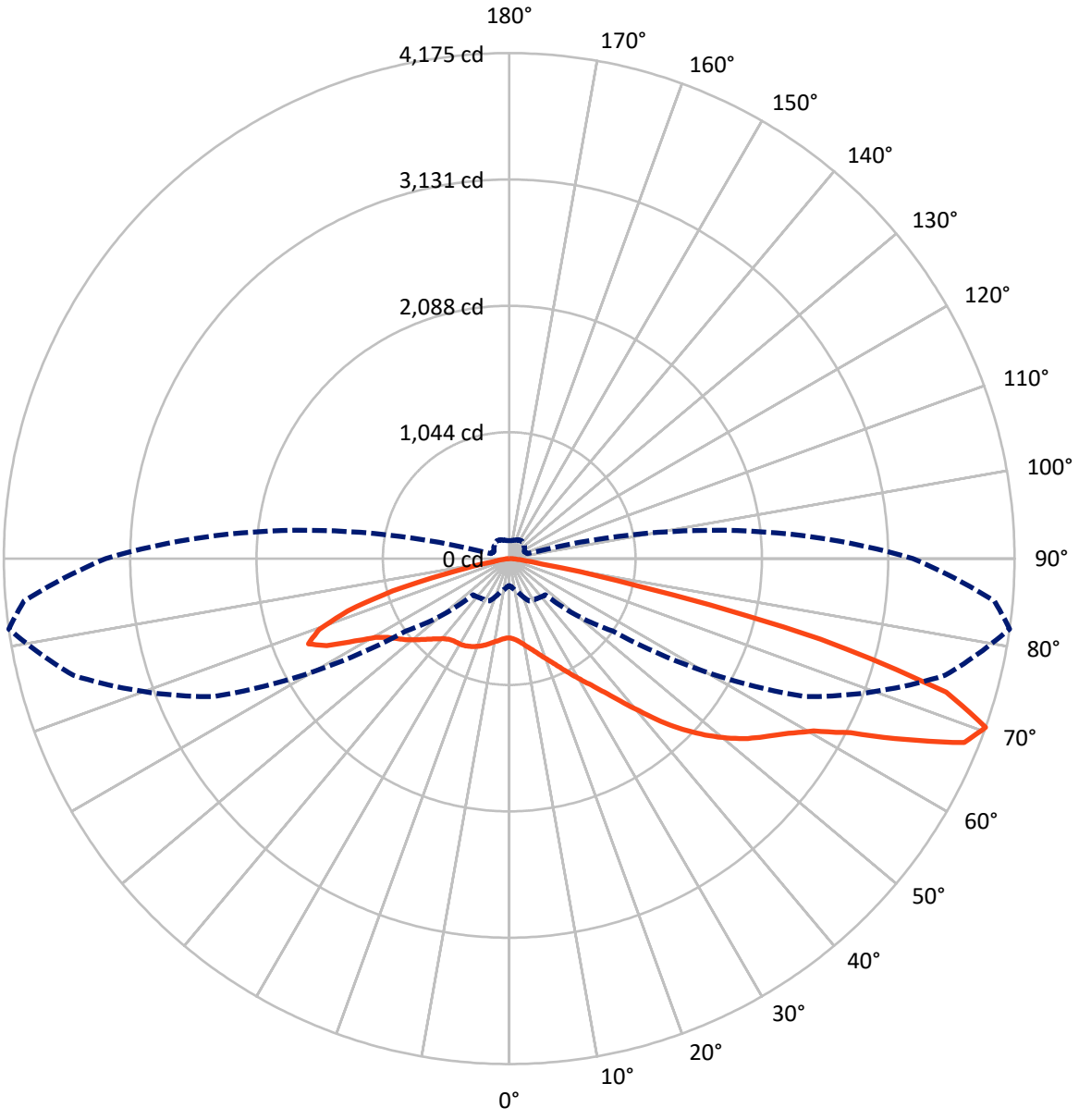
Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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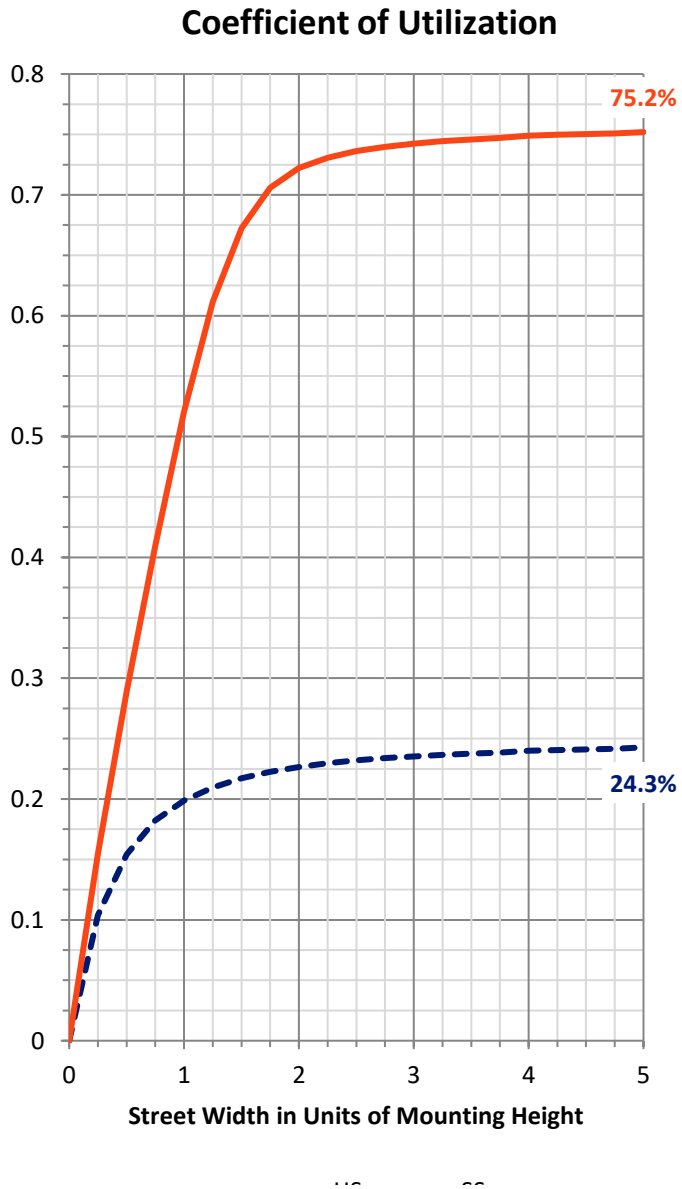
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1101.5	0.0	1101.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3366.5	0.0	3366.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	4468.0	0.0	4468.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.9	1.4
10°-20°	177.7	4.0
20°-30°	297.3	6.7
30°-40°	464.4	10.4
40°-50°	739.6	16.6
50°-60°	1029.3	23.0
60°-70°	1076.7	24.1
70°-80°	562.7	12.6
80°-90°	58.4	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°	4468.0	100.0
0°-180°	4468.0	100.0



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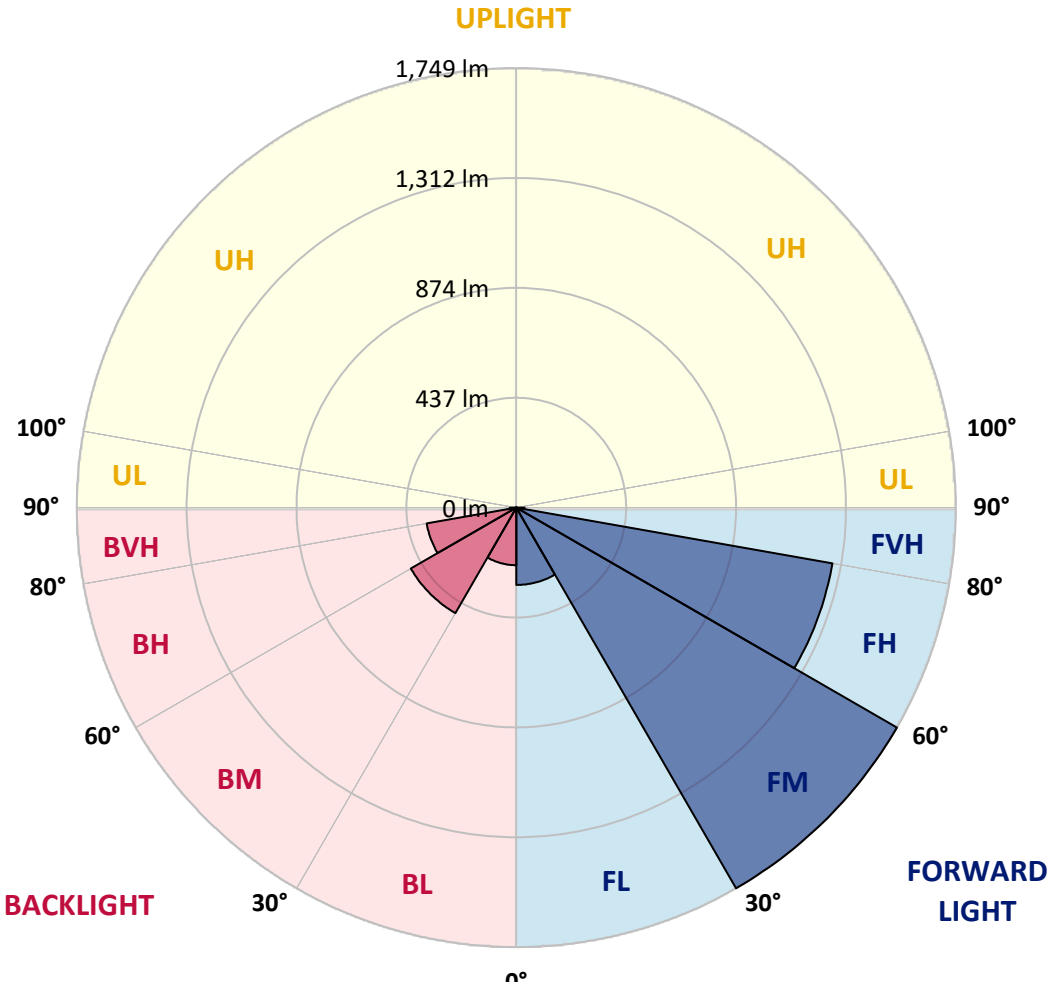
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	307.7	6.9			
FM	(30°-60°)	1748.7	39.1			
FH	(60°-80°)	1277.4	28.6			G1/1800
FVH	(80°-90°)	32.7	0.7			G1/100
BL	(0°-30°)	229.1	5.1	B1/500		
BM	(30°-60°)	484.6	10.8	B1/1000		
BH	(60°-80°)	362.0	8.1	B1/500		G1/500
BVH	(80°-90°)	25.7	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°	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	*655.1*	655.1
2.5°	670.7	674.5	673.3	672.1	672.1	670.5	670.2	667.9	666.0	*662.9*	662.2
5°	679.2	683.3	682.8	683.8	686.8	687.5	688.3	686.8	683.0	*679.2*	677.6
7.5°	671.7	676.2	677.6	683.3	692.8	701.3	707.7	710.3	706.7	*701.3*	698.7
10°	646.1	651.0	656.0	669.5	686.4	706.5	723.6	733.8	733.1	*727.8*	723.3
12.5°	594.1	599.3	610.0	636.3	667.2	702.7	734.5	755.8	763.2	*759.4*	751.6
15°	552.6	557.1	565.2	592.2	632.3	686.4	738.5	780.0	798.7	*796.6*	787.1
17.5°	551.5	553.4	558.3	571.1	602.0	660.8	734.3	803.7	839.5	*839.3*	827.4
20°	572.3	573.0	575.9	578.5	596.0	641.3	723.3	823.4	885.3	*885.3*	872.5
22.5°	601.2	600.8	603.6	601.2	609.8	639.7	716.5	840.7	936.2	*940.0*	923.9
25°	644.6	642.3	641.6	636.1	637.8	655.1	724.1	860.4	996.7	*1004.5*	984.4
27.5°	702.5	698.7	696.1	683.5	679.2	686.8	747.3	884.1	1064.0	*1077.5*	1051.9
30°	777.9	771.0	767.2	745.4	730.0	731.2	782.4	915.6	1134.4	*1156.3*	1123.8
32.5°	880.8	870.1	859.9	824.1	795.9	786.6	827.7	959.2	1210.8	*1245.6*	1203.9
35°	996.0	987.5	976.6	921.3	877.9	856.6	888.8	1020.2	1300.2	*1355.4*	1301.1
37.5°	1106.9	1099.6	1104.8	1030.4	974.4	943.4	969.0	1102.0	1410.4	*1492.0*	1423.0
40°	1221.7	1216.0	1216.7	1145.6	1080.4	1045.5	1066.2	1204.6	1536.8	*1654.4*	1569.5
42.5°	1346.4	1342.1	1327.9	1264.8	1191.6	1159.1	1178.1	1323.2	1672.4	*1839.3*	1730.2
45°	1486.0	1483.4	1470.2	1397.9	1313.9	1277.4	1303.0	1454.0	1808.7	*2013.3*	1891.7
47.5°	1606.7	1608.9	1607.2	1546.3	1459.3	1405.7	1436.3	1590.6	1935.6	*2176.9*	2046.5
50°	1664.8	1676.0	1692.3	1673.3	1619.3	1564.8	1570.7	1722.4	2056.5	*2330.3*	2194.9
52.5°	1634.5	1655.6	1700.1	1730.5	1751.3	1740.0	1724.1	1853.3	2170.3	*2468.8*	2335.3
55°	1521.4	1551.0	1625.0	1698.2	1804.7	1887.4	1908.3	1998.4	2281.2	*2590.6*	2468.1
57.5°	1315.3	1363.5	1429.9	1578.0	1757.3	1958.8	2123.1	2199.7	2398.8	*2720.8*	2607.0
60°	962.1	1026.6	1109.1	1329.6	1591.3	1920.6	2305.9	2508.8	2566.0	*2889.3*	2787.9
62.5°	615.7	655.5	731.4	939.1	1240.0	1725.0	2361.8	2895.3	2849.3	*3165.8*	3059.1
65°	421.5	447.1	516.6	633.3	801.6	1284.1	2212.0	3185.0	3299.3	*3603.9*	3522.8
67.5°	306.3	325.8	385.0	487.2	522.3	759.9	1716.5	3171.7	3736.7	*4055.3*	3929.2
70°	*223.3*	*237.1*	*286.9*	*385.0*	*401.9*	*422.7*	*1039.9*	*2696.1*	*3727.2*	*4175.3*	*4024.3*
72.5°	165.5	175.0	208.4	298.7	325.3	285.4	514.7	1959.5	3202.8	*3776.5*	3655.4
75°	119.7	126.8	151.5	228.5	260.3	217.4	256.8	1145.1	2234.0	*2656.5*	2677.9
77.5°	91.5	97.0	113.1	167.4	208.4	163.1	159.3	526.8	1059.3	*1064.5*	1124.3
80°	73.5	77.1	85.8	117.8	159.8	122.1	103.8	212.7	334.8	*283.3*	297.3
82.5°	54.1	60.0	72.5	82.7	114.3	84.2	63.3	107.4	127.3	*109.5*	110.5
85°	30.8	34.9	43.9	59.3	73.0	51.4	36.3	47.7	59.3	*48.6*	43.4
87.5°	10.9	14.2	15.4	23.2	31.8	21.3	14.0	13.8	19.4	*14.5*	12.1
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°	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1
2.5°	659.8	658.6	653.9	647.5	640.8	634.4	632.3	627.8	624.7	623.1	625.0
5°	673.1	669.3	658.1	643.9	629.0	612.9	601.5	591.1	583.5	576.4	579.2
7.5°	692.0	685.4	666.2	641.3	614.8	588.0	568.1	552.9	542.7	536.0	537.5
10°	714.1	703.9	674.5	637.3	596.3	557.9	534.4	521.3	514.9	511.4	512.3
12.5°	739.5	725.0	683.0	628.0	568.1	524.2	508.1	504.3	504.5	504.8	505.2
15°	770.8	750.6	689.9	607.9	531.3	498.4	495.5	501.7	508.1	511.2	510.9
17.5°	806.1	777.6	691.1	574.7	495.3	481.8	490.8	504.0	513.8	518.0	519.0
20°	844.0	805.1	682.6	527.8	465.6	468.2	484.4	501.4	512.1	517.6	519.0
22.5°	887.4	834.5	662.2	478.4	441.5	453.5	472.5	489.1	500.2	505.7	507.1
25°	937.0	867.5	630.2	436.9	420.6	436.9	455.9	469.7	478.7	483.7	485.1
27.5°	992.0	901.9	587.5	404.0	402.3	419.9	435.5	446.2	450.9	454.7	456.2
30°	1047.2	933.2	535.8	379.1	386.4	403.0	414.2	418.9	420.4	421.1	422.7
32.5°	1106.9	960.2	481.5	358.5	371.3	386.7	393.3	395.5	388.8	384.3	385.7
35°	1179.3	989.1	428.4	342.1	356.3	369.6	371.7	369.9	362.0	352.8	353.3
37.5°	1268.6	1025.2	386.0	330.5	342.4	351.1	348.5	348.0	348.8	337.8	338.6
40°	1378.2	1072.1	354.9	321.5	331.0	332.9	325.5	329.5	333.1	316.5	317.0
42.5°	1499.8	1128.8	335.2	315.3	321.5	317.0	305.6	310.1	309.6	287.8	287.6
45°	1623.8	1190.4	328.4	310.8	312.7	303.7	291.1	292.3	282.4	262.7	263.4
47.5°	1747.1	1256.5	332.6	307.0	301.8	291.6	281.9	276.7	262.0	247.3	247.3
50°	1868.0	1326.0	348.3	299.4	286.9	280.9	273.8	264.6	248.9	236.4	235.4
52.5°	1980.1	1396.0	365.8	286.9	268.1	271.7	267.2	256.5	241.1	228.3	228.5
55°	2086.3	1465.9	372.7	269.6	250.6	263.6	261.0	241.4	222.9	212.4	211.5
57.5°	2202.0	1550.1	365.1	247.5	236.4	254.4	244.4	222.6	212.0	204.1	203.4
60°	2362.3	1682.1	348.8	220.3	222.9	240.6	223.6	214.6	202.9	194.2	193.7
62.5°	2628.6	1928.4	322.4	193.2	207.0	220.3	213.6	204.6	192.7	184.2	184.2
65°	3022.1	2270.8	272.9	172.1	189.2	200.3	202.9	193.9	181.6	172.6	173.1
67.5°	3354.0	2485.6	206.5	154.6	170.9	184.2	191.6	182.8	169.8	161.0	161.2
70°	*3335.8*	*2329.6*	*157.7*	*137.3*	*154.8*	*168.3*	*177.8*	*170.9*	*156.9*	*148.7*	*149.4*
72.5°	2962.8	1948.8	127.6	119.7	138.5	151.7	163.1	157.9	143.7	135.6	135.6
75°	2176.7	1383.4	101.9	101.9	118.1	134.4	147.0	143.7	130.6	124.9	123.3
77.5°	917.5	580.4	79.9	84.6	98.2	115.5	131.1	132.3	120.9	128.0	116.2
80°	244.0	160.0	60.9	66.6	77.1	95.3	114.0	113.6	101.2	94.6	88.0
82.5°	92.9	63.1	43.4	46.9	55.7	73.0	90.3	93.2	80.8	69.9	69.9
85°	35.8	27.0	26.8	28.2	32.5	48.4	68.3	70.7	60.9	51.7	53.3
87.5°	9.2	8.1	10.0	9.5	14.9	25.8	39.1	40.5	37.2	21.6	30.8
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)