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: P1201512

Luminaire Tested: GWC-SB1B-735-U-T2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201512
	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-735-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 70 CRI, 3500K, 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:	4134 lumens
Efficiency:	N/A
Efficacy:	103.9 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

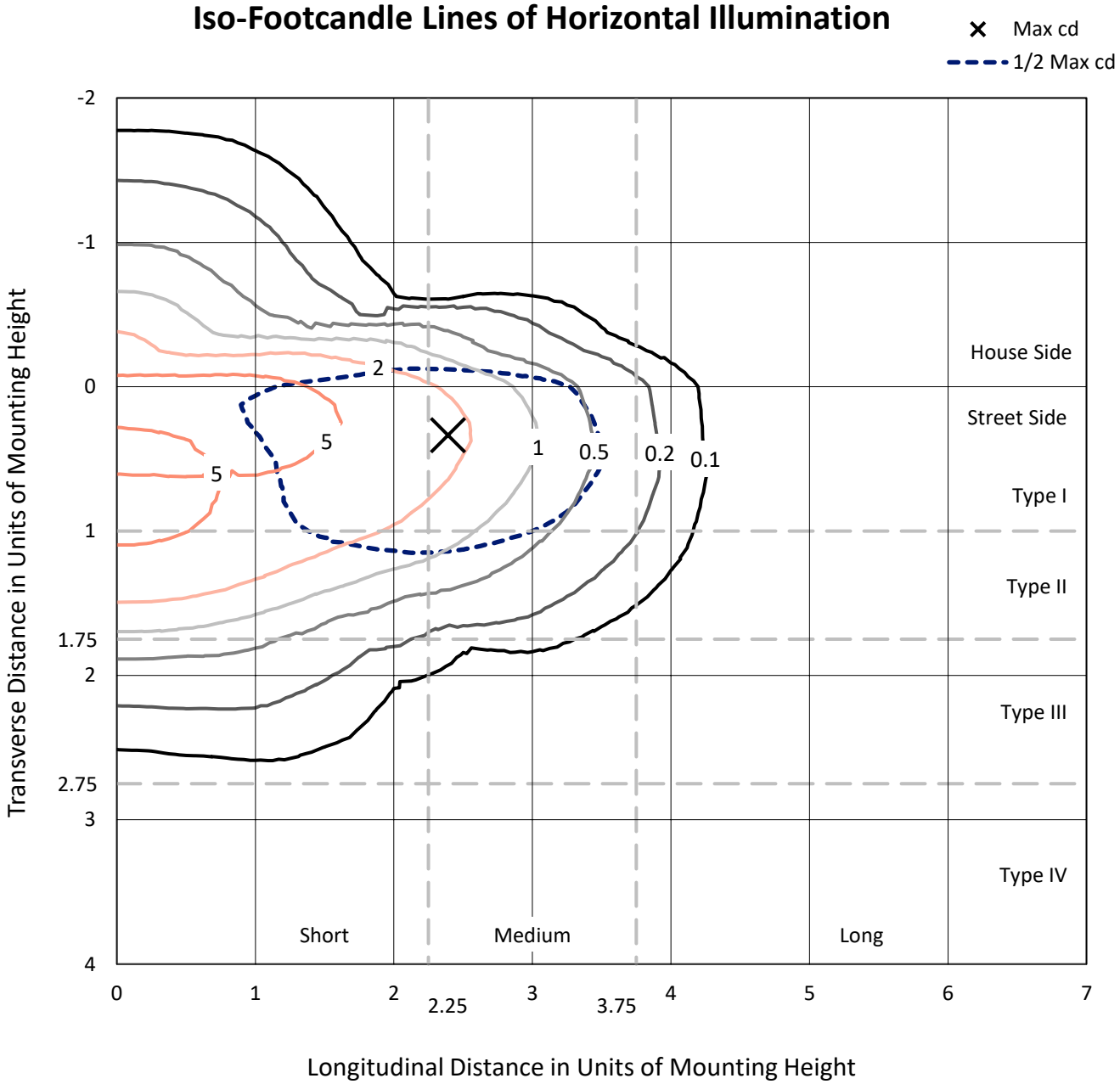


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Iso-Footcandle Lines of Horizontal Illumination



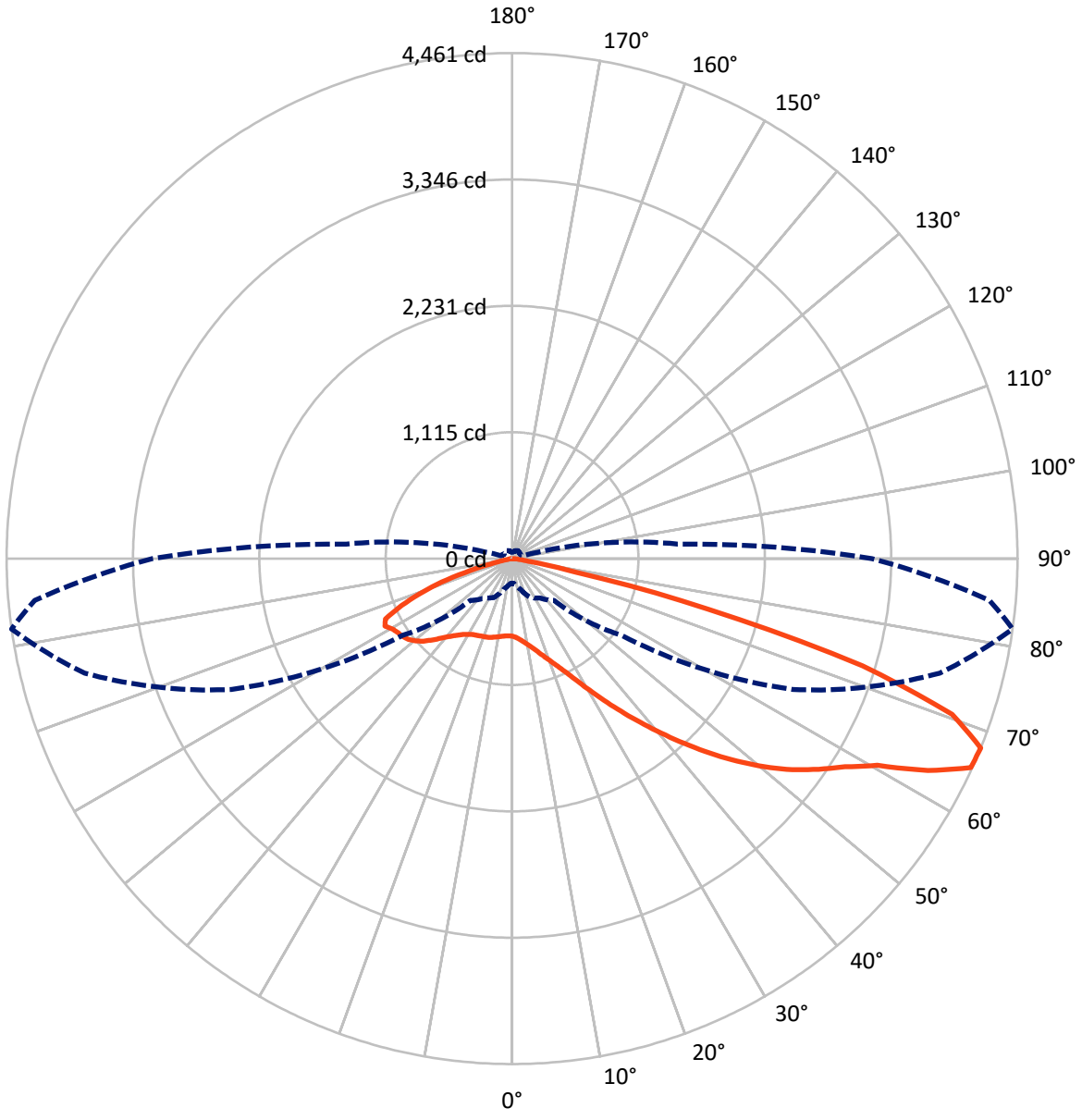
Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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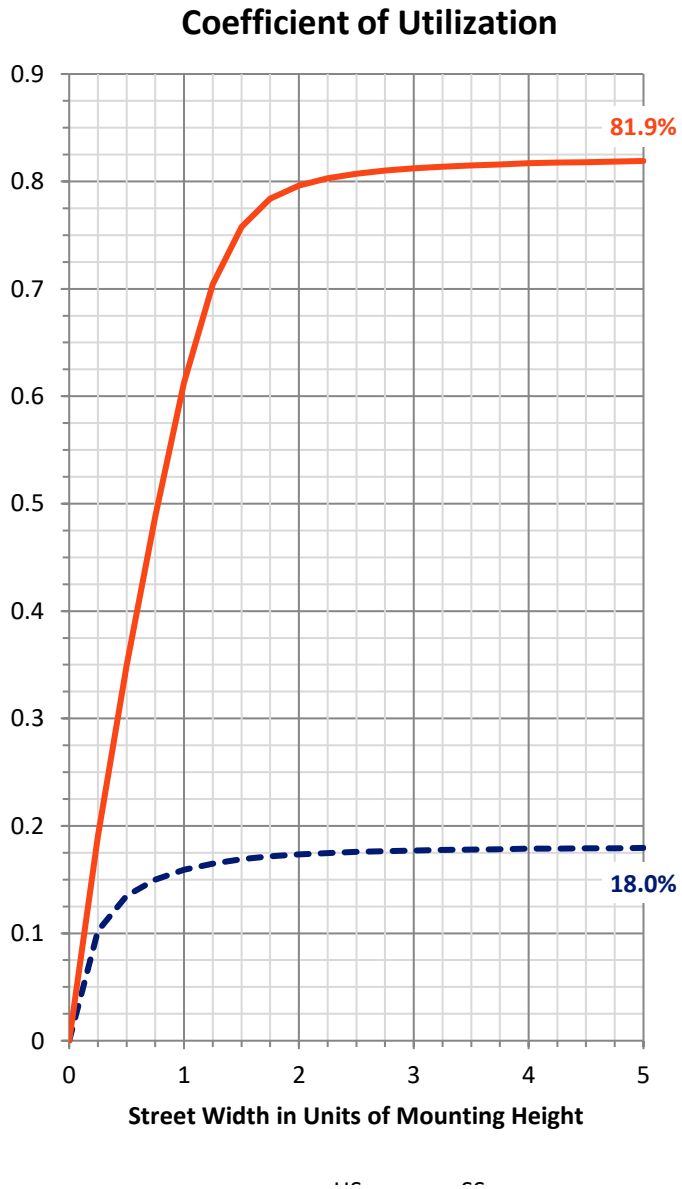
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	748.8	0.0	748.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3385.2	0.0	3385.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	4134.0	0.0	4134.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	1.5
10°-20°	158.6	3.8
20°-30°	254.0	6.1
30°-40°	449.1	10.9
40°-50°	786.8	19.0
50°-60°	1049.4	25.4
60°-70°	976.9	23.6
70°-80°	374.9	9.1
80°-90°	23.3	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°	4134.0	100.0
0°-180°	4134.0	100.0



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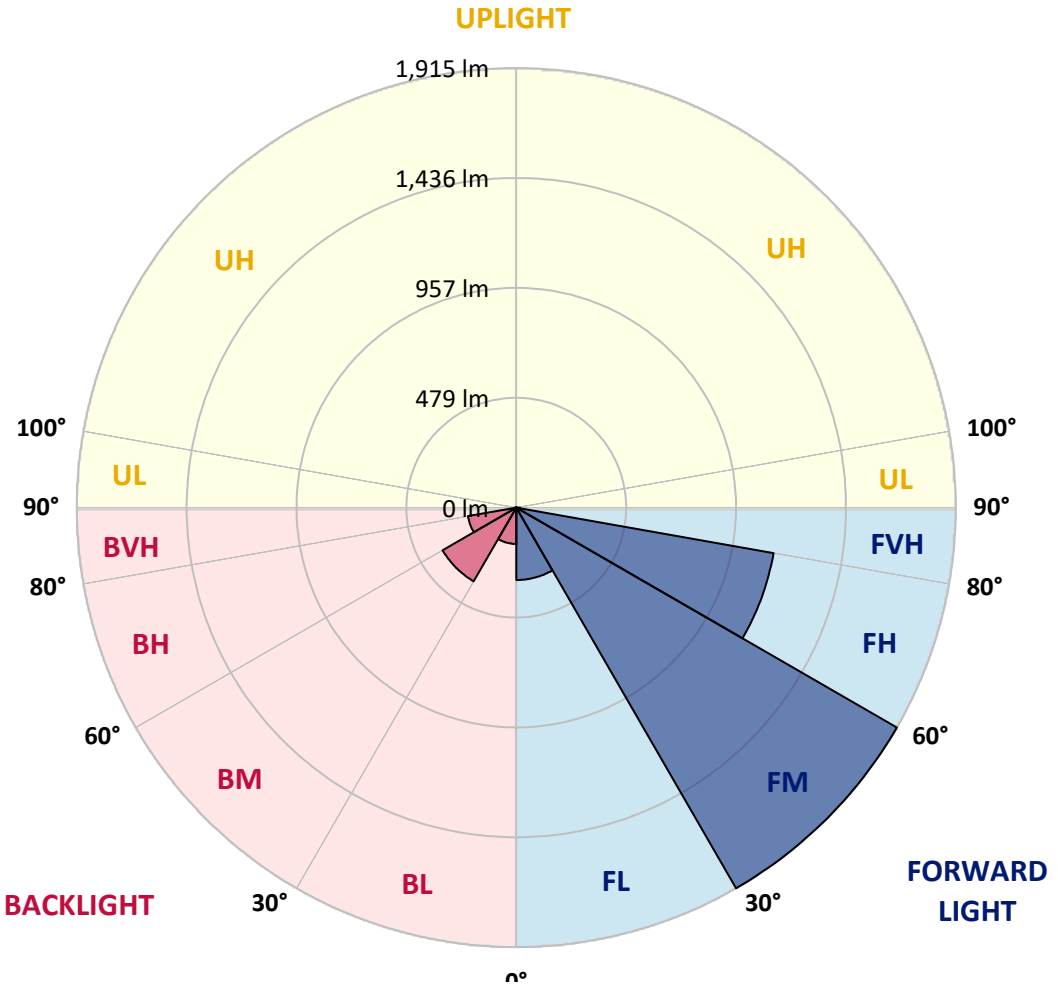
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	315.4	7.6			
FM	(30°-60°)	1914.7	46.3			
FH	(60°-80°)	1138.2	27.5			G1/1800
FVH	(80°-90°)	16.9	0.4			G1/100
BL	(0°-30°)	158.2	3.8	B1/500		
BM	(30°-60°)	370.6	9.0	B1/1000		
BH	(60°-80°)	213.7	5.2	B1/500		G1/500
BVH	(80°-90°)	6.4	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°	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	*684.9*	684.9
2.5°	723.9	728.0	725.6	724.4	722.4	719.4	717.0	709.6	701.8	*696.8*	695.0
5°	738.4	742.6	742.3	743.5	745.0	745.9	745.3	737.0	725.9	*717.3*	712.2
7.5°	725.9	730.7	734.6	740.5	750.9	762.0	767.3	765.5	754.2	*742.3*	736.1
10°	690.5	695.6	704.8	718.8	740.8	764.6	784.6	793.8	786.7	*773.6*	764.9
12.5°	625.6	630.7	648.8	679.2	716.1	757.5	795.6	820.3	822.1	*809.0*	798.9
15°	552.7	557.8	577.1	615.2	671.5	737.8	801.5	848.3	864.0	*852.7*	840.5
17.5°	507.5	511.9	526.5	557.2	615.8	698.6	799.5	878.0	914.0	*905.1*	890.5
20°	493.8	497.6	504.5	525.9	574.7	657.8	785.8	906.0	967.9	*962.9*	946.5
22.5°	508.4	511.9	514.0	523.5	554.2	631.0	768.5	934.6	1030.4	*1031.0*	1011.1
25°	542.0	545.6	543.2	549.1	562.5	622.7	762.0	968.2	1109.0	*1115.5*	1092.9
27.5°	597.4	597.7	592.0	591.7	593.8	635.2	768.8	1004.2	1208.1	*1220.3*	1192.3
30°	708.4	703.9	682.2	658.7	648.0	672.7	787.8	1046.8	1325.1	*1346.8*	1311.7
32.5°	879.5	873.0	833.1	776.8	720.3	733.1	822.1	1095.3	1452.5	*1491.8*	1448.9
35°	1065.2	1063.5	1021.8	938.2	839.3	819.1	877.7	1159.0	1591.5	*1654.0*	1603.1
37.5°	1237.9	1237.0	1213.2	1114.7	994.4	939.0	967.0	1242.3	1740.3	*1830.8*	1770.6
40°	1395.6	1398.3	1374.5	1286.4	1165.3	1092.9	1088.5	1345.3	1905.8	*2023.3*	1951.9
42.5°	1531.9	1534.9	1510.8	1445.6	1334.0	1263.2	1237.6	1471.5	2067.4	*2230.2*	2145.7
45°	1624.5	1643.0	1639.4	1587.3	1507.2	1433.7	1416.8	1629.9	2251.6	*2449.6*	2350.4
47.5°	1650.7	1667.7	1694.5	1701.6	1652.8	1580.5	1600.7	1820.6	2437.9	*2669.2*	2556.4
50°	1586.1	1601.9	1657.5	1731.7	1765.6	1743.3	1779.6	2025.1	2628.7	*2888.3*	2758.5
52.5°	1458.7	1474.8	1545.0	1662.3	1800.7	1870.9	1959.1	2226.6	2813.6	*3095.7*	2949.9
55°	1274.5	1291.4	1381.6	1514.4	1733.7	1923.6	2108.8	2427.8	2982.9	*3282.3*	3122.5
57.5°	1023.9	1036.4	1130.1	1315.9	1565.3	1871.2	2219.2	2647.5	3142.5	*3465.7*	3293.7
60°	667.3	678.3	787.3	994.4	1286.1	1696.2	2241.2	2892.4	3354.4	*3704.1*	3524.3
62.5°	443.8	451.2	515.8	667.9	905.7	1360.2	2112.3	3088.0	3665.1	*4119.0*	3919.9
65°	304.5	311.9	376.5	482.5	585.2	899.8	1741.8	3062.1	3946.7	*4448.5*	4213.1
67.5°	*217.3*	*223.5*	*278.3*	*378.3*	*423.5*	*522.7*	*1180.7*	*2731.1*	*3906.2*	*4461.0*	*4228.8*
70°	155.7	159.2	204.5	294.7	336.6	314.0	656.6	2088.8	3420.2	*4119.3*	3906.8
72.5°	108.9	110.1	142.0	224.4	271.1	229.2	312.5	1392.6	2586.8	*3233.2*	3028.8
75°	73.8	75.3	95.5	164.6	217.6	175.0	165.5	746.8	1518.5	*1789.7*	1604.3
77.5°	45.2	45.8	61.6	112.5	162.8	133.3	106.6	316.4	587.5	*576.8*	491.7
80°	25.6	25.6	39.3	69.9	111.0	86.0	74.7	134.5	186.0	*163.4*	144.1
82.5°	14.3	14.6	28.6	43.5	73.5	50.9	41.1	62.2	80.4	*71.1*	61.9
85°	6.0	6.5	17.6	20.5	35.1	25.3	16.7	26.2	29.8	*26.5*	19.3
87.5°	0.6	0.9	5.4	3.9	4.2	5.1	2.4	5.1	4.2	*4.2*	3.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9	684.9
2.5°	689.3	684.9	673.6	660.5	643.2	634.9	623.6	615.8	609.3	609.9	603.9
5°	702.7	691.4	666.1	634.6	595.3	567.3	537.5	517.0	500.3	496.8	488.7
7.5°	721.2	703.3	659.0	602.1	535.7	485.4	440.5	411.6	391.1	384.5	378.0
10°	745.0	719.1	649.7	561.3	465.8	401.8	353.6	331.0	317.0	312.2	308.7
12.5°	772.7	737.2	637.5	511.6	393.8	332.2	301.5	290.2	285.7	284.2	283.4
15°	807.5	759.9	619.1	452.7	332.8	289.6	276.5	275.0	275.6	275.0	274.7
17.5°	848.9	784.6	589.0	392.0	291.7	267.9	263.1	264.3	265.8	265.5	264.9
20°	894.1	809.0	550.6	338.1	263.7	252.4	249.7	250.9	252.1	251.5	251.2
22.5°	945.6	835.2	508.1	296.1	245.0	238.1	235.1	235.4	235.4	234.2	233.6
25°	1007.2	864.0	463.4	266.4	230.7	225.3	221.7	220.5	218.8	215.2	214.6
27.5°	1080.7	894.7	420.6	245.6	219.4	214.3	210.1	207.2	202.7	196.7	196.1
30°	1163.5	931.9	384.3	232.5	210.4	205.4	200.6	196.1	189.6	182.2	181.6
32.5°	1260.8	971.8	357.8	223.8	202.4	197.0	191.4	186.0	178.9	171.4	171.7
35°	1376.9	1020.0	342.3	217.9	196.1	189.0	182.7	176.8	171.4	164.9	164.3
37.5°	1502.8	1071.2	337.5	214.9	192.0	181.0	173.8	169.7	169.1	165.2	164.9
40°	1640.6	1131.9	341.1	213.1	187.5	173.2	165.5	164.6	166.1	159.2	159.5
42.5°	1786.4	1203.9	347.0	211.0	181.3	165.5	158.0	158.0	156.9	147.3	147.3
45°	1944.2	1287.0	353.0	206.0	173.8	157.7	152.1	150.0	144.9	135.7	135.4
47.5°	2103.1	1371.5	357.5	196.7	164.9	151.2	146.1	141.4	133.9	125.6	125.3
50°	2254.0	1447.4	352.7	183.0	154.8	144.9	139.6	133.0	125.0	119.4	118.5
52.5°	2388.8	1513.2	332.5	167.0	144.1	138.4	133.6	126.8	120.2	114.3	113.7
55°	2506.1	1566.5	296.7	151.8	134.5	132.7	128.0	119.4	110.4	105.4	104.8
57.5°	2618.6	1606.9	252.1	139.3	125.9	126.5	119.4	111.6	103.3	97.9	97.3
60°	2768.3	1661.1	206.9	127.7	116.7	118.5	110.7	105.1	94.6	87.8	86.9
62.5°	3007.6	1745.3	164.3	113.4	106.0	106.6	103.3	96.4	83.9	75.9	75.3
65°	3197.5	1714.4	129.5	97.9	93.8	94.6	94.6	87.2	73.8	64.6	63.7
67.5°	*3176.1*	*1467.9*	*103.3*	*82.7*	*82.1*	*82.7*	*84.8*	*78.6*	*65.5*	*58.0*	*56.8*
70°	2925.8	1167.6	82.7	68.8	71.4	69.9	75.9	71.7	58.9	51.5	50.6
72.5°	2387.4	841.1	63.1	56.8	54.8	57.1	68.5	64.6	49.1	40.8	39.9
75°	1395.0	448.8	47.0	44.9	39.6	47.6	60.7	55.1	37.5	30.1	29.2
77.5°	454.2	156.6	34.5	33.0	29.5	38.4	51.8	46.4	30.7	23.8	22.9
80°	121.7	47.3	23.5	21.7	19.0	28.6	41.1	36.9	22.0	15.5	15.2
82.5°	48.8	19.9	13.7	12.2	10.4	19.6	32.4	29.8	16.4	9.8	9.8
85°	15.8	6.5	5.1	3.9	4.8	12.2	19.3	20.2	11.6	5.1	3.9
87.5°	2.1	0.9	0.9	1.2	0.9	2.1	6.0	5.7	3.3	0.6	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


HS
SS

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(END OF REPORT)