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: P1201221

Luminaire Tested: GWC-SB1A-827-U-SL4

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201221
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-827-U-SL4
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3887 lumens
Efficiency:	N/A
Efficacy:	125.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2

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

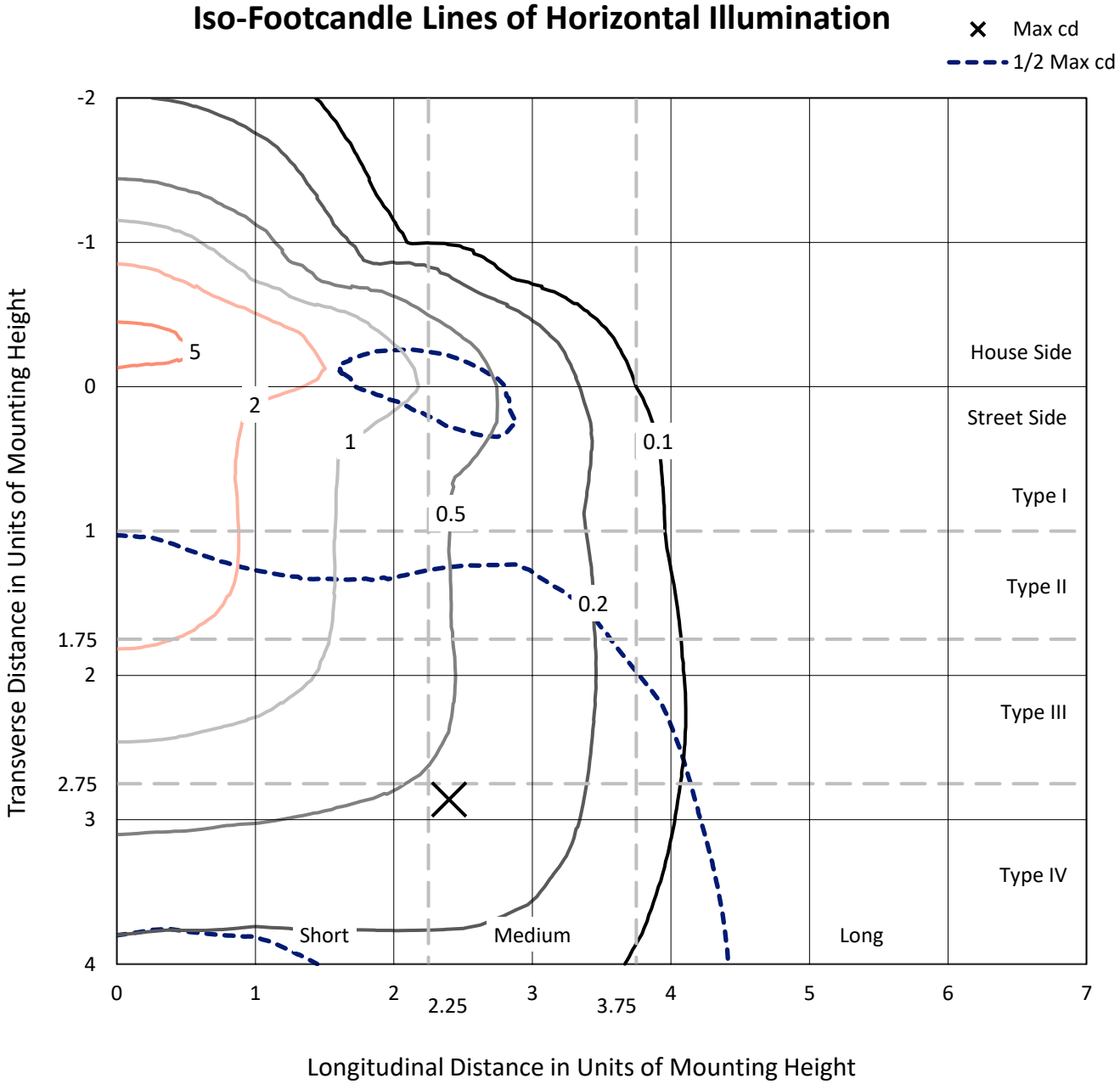


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Iso-Footcandle Lines of Horizontal Illumination



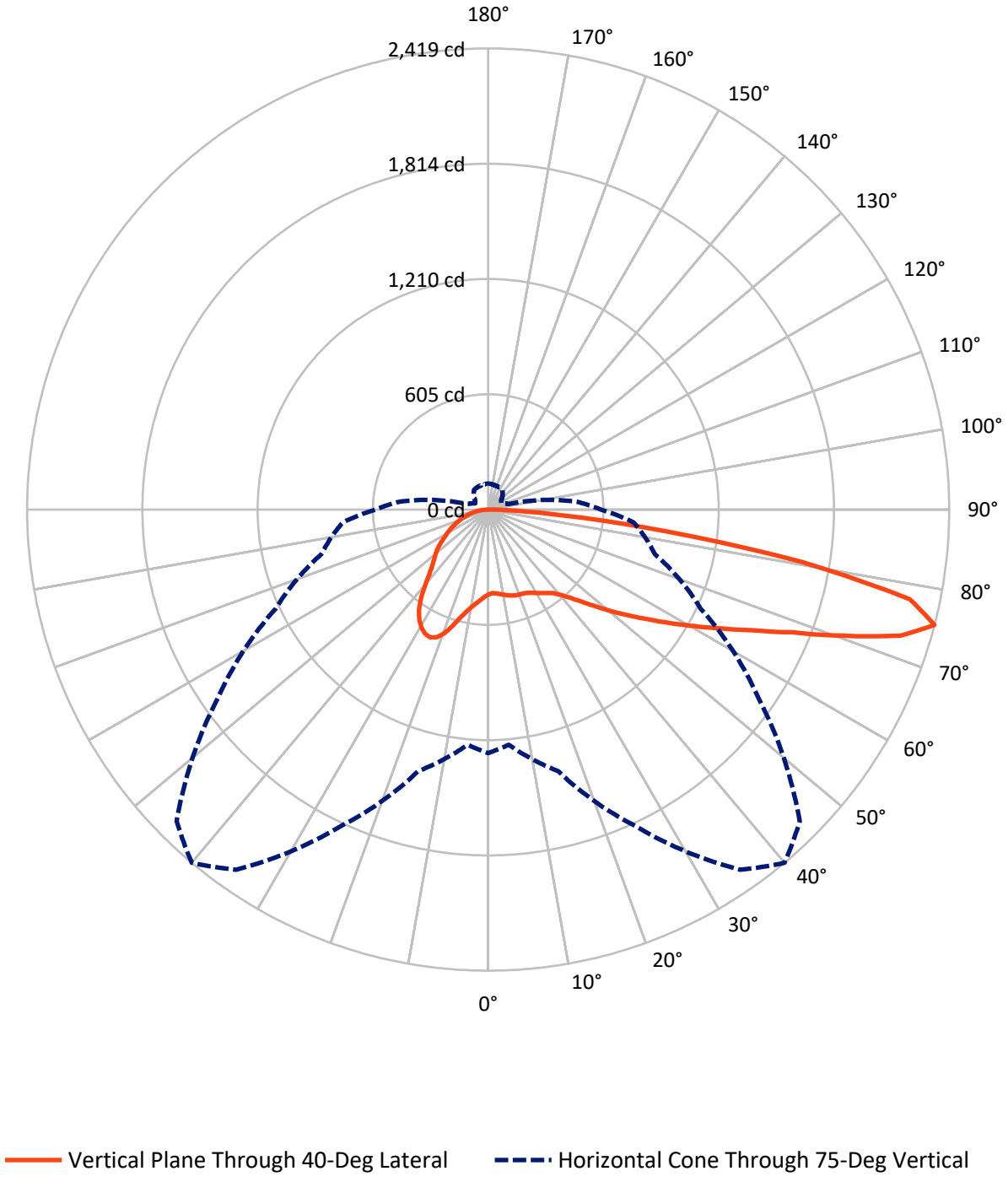
Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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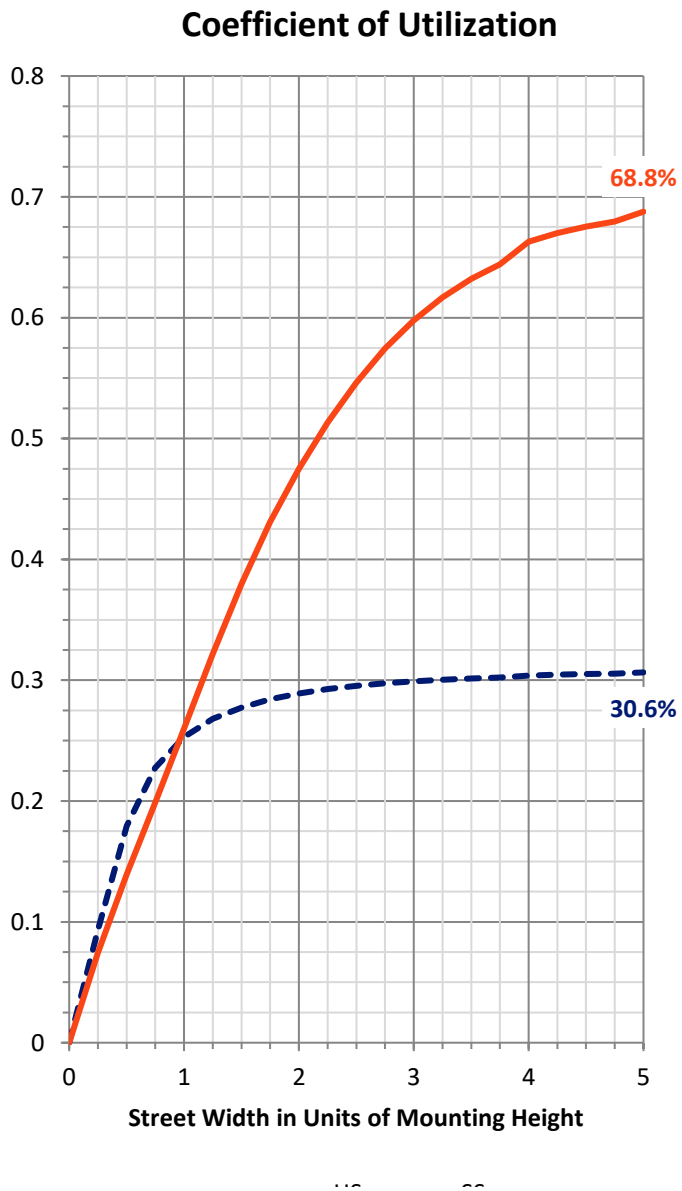
REPORT NUMBER: P1201221
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1204.3	0.0	1204.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	2682.7	0.0	2682.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	3887.0	0.0	3887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.1
10°-20°	149.0	3.8
20°-30°	272.0	7.0
30°-40°	385.8	9.9
40°-50°	520.9	13.4
50°-60°	700.7	18.0
60°-70°	889.4	22.9
70°-80°	807.2	20.8
80°-90°	117.7	3.0
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°	3887.0	100.0
0°-180°	3887.0	100.0



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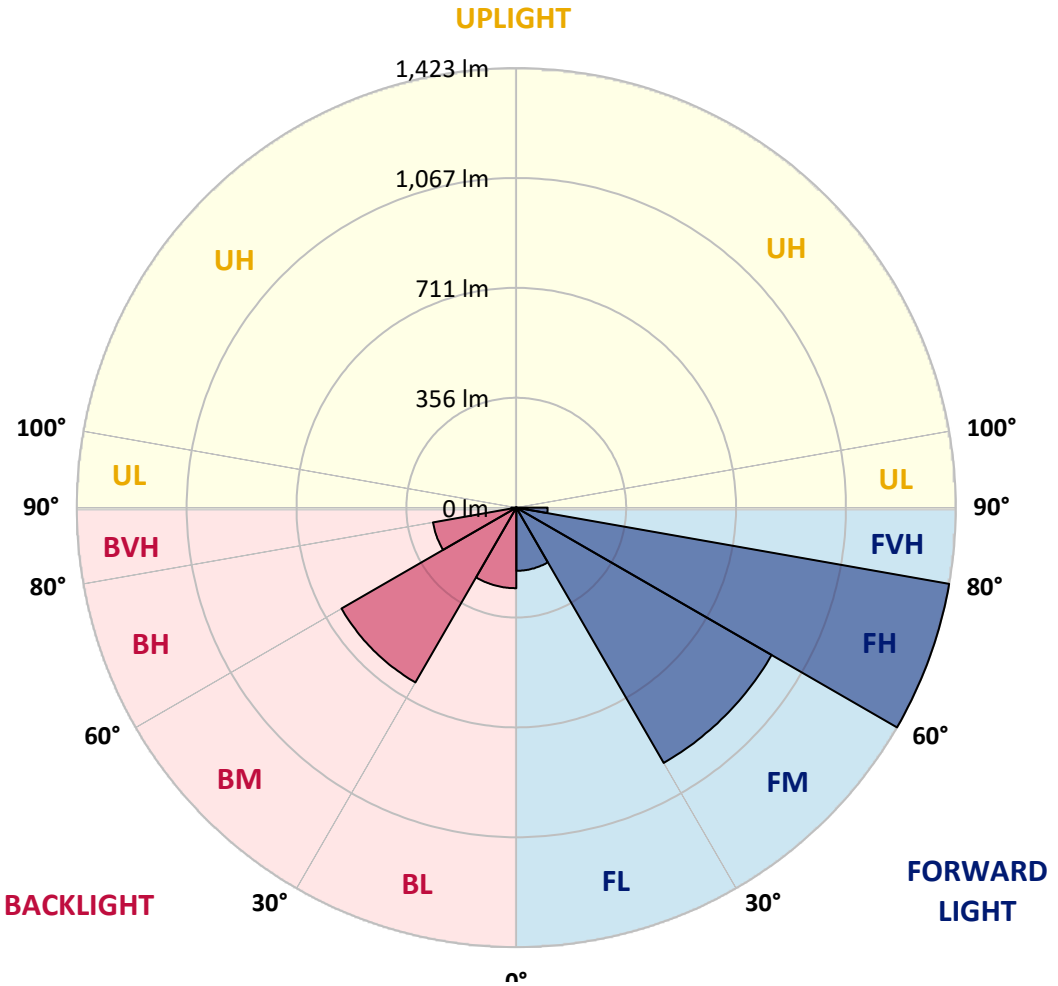
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	204.5	5.3			
FM	(30°-60°)	954.2	24.5			
FH	(60°-80°)	1422.6	36.6			G1/1800
FVH	(80°-90°)	101.5	2.6			G2/225
BL	(0°-30°)	260.9	6.7	B1/500		
BM	(30°-60°)	653.2	16.8	B1/1000		
BH	(60°-80°)	274.0	7.0	B1/500		G1/500
BVH	(80°-90°)	16.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	444.5	444.5	444.5	444.5	444.5	*444.5*	444.5	444.5	444.5	444.5	444.5
2.5°	437.7	440.2	439.5	438.7	438.7	*438.9*	438.7	440.2	441.6	443.0	445.3
5°	442.2	444.7	443.5	442.4	441.6	*441.4*	440.8	440.6	441.4	443.2	446.3
7.5°	451.1	453.6	451.7	449.8	448.2	*447.4*	446.5	445.3	444.7	445.7	450.0
10°	461.0	463.5	461.2	457.9	455.2	*454.2*	453.3	452.1	451.3	451.9	456.6
12.5°	470.9	473.3	470.3	465.7	462.2	*461.6*	460.6	460.2	459.9	459.7	464.5
15°	480.1	482.2	478.3	472.9	469.2	*468.2*	467.2	467.8	468.8	470.0	475.4
17.5°	487.4	489.4	483.7	476.6	473.1	*472.7*	472.1	474.2	477.1	480.1	486.7
20°	494.0	496.0	488.6	479.1	475.0	*475.0*	475.2	479.5	483.7	488.2	497.3
22.5°	503.2	504.9	495.8	482.8	476.9	*477.3*	478.9	483.2	488.4	494.6	507.2
25°	517.1	518.3	507.2	489.8	483.0	*484.3*	485.7	487.8	492.7	499.9	516.8
27.5°	539.3	540.3	525.7	502.2	491.9	*494.0*	496.0	494.6	496.8	503.0	524.7
30°	570.7	571.3	552.7	521.6	507.0	*508.0*	508.4	502.4	498.1	503.0	530.2
32.5°	607.8	607.6	585.5	545.1	524.1	*523.0*	519.5	507.8	497.7	502.0	535.2
35°	665.3	663.0	634.6	578.1	543.4	*537.1*	528.8	513.8	499.7	501.0	539.5
37.5°	760.5	753.5	714.1	632.1	572.3	*556.0*	543.9	523.4	504.3	500.6	544.7
40°	867.9	859.1	815.8	706.1	615.6	*589.4*	569.8	537.3	511.7	502.4	552.3
42.5°	995.3	982.8	936.2	793.3	670.4	*632.5*	603.0	554.8	522.6	508.4	562.6
45°	1151.8	1135.1	1069.2	891.6	739.5	*689.0*	649.6	581.4	539.3	519.9	578.1
47.5°	1309.9	1314.1	1220.3	1004.2	822.4	*758.7*	708.0	621.4	563.6	538.5	603.0
50°	1478.0	1480.9	1370.6	1128.9	916.4	*837.4*	773.5	666.1	597.5	564.9	640.3
52.5°	1609.1	1609.5	1507.0	1259.4	1014.3	*924.0*	844.2	717.2	636.6	599.9	690.0
55°	1691.1	1690.1	1602.7	1382.9	1126.9	*1014.9*	922.6	775.4	684.5	641.2	752.5
57.5°	1750.7	1747.6	1668.7	1489.1	1246.9	*1122.3*	1011.2	841.3	740.9	690.2	834.7
60°	1773.4	1771.5	1713.4	1580.8	1373.0	*1241.1*	1113.5	915.1	805.1	748.2	940.5
62.5°	1782.1	1785.6	1757.3	1669.7	1508.1	*1372.6*	1225.8	1003.4	877.2	813.7	1052.0
65°	1812.6	1819.0	1813.2	1786.0	1660.6	*1526.6*	1374.9	1108.3	956.0	884.0	1168.5
67.5°	1873.0	1879.4	1881.8	1925.1	1847.0	*1718.6*	1560.8	1239.0	1048.1	957.0	1256.1
70°	1871.5	1869.7	1913.4	2035.8	2080.4	*1984.3*	1811.5	1399.8	1158.0	1017.6	1267.3
72.5°	1703.5	1688.7	1792.0	2034.6	2274.6	*2261.8*	2117.7	1607.2	1252.8	1025.0	1099.7
75°	*1278.0*	*1238.4*	*1420.9*	*1833.6*	*2306.9*	*2419.3*	*2312.3*	*1735.9*	*1230.4*	*905.7*	*765.3*
77.5°	546.5	506.7	721.8	1357.4	2064.7	*2261.6*	2133.8	1514.5	982.2	598.9	375.8
80°	143.1	142.9	218.1	615.4	1404.2	*1670.1*	1465.2	978.0	561.2	214.0	103.7
82.5°	59.2	57.7	80.2	239.4	686.1	*937.2*	764.9	436.2	202.7	57.9	34.4
85°	22.1	21.9	39.0	82.7	242.0	*386.6*	279.8	111.5	50.5	28.2	15.5
87.5°	6.2	6.0	8.5	28.7	59.0	*89.5*	47.8	18.3	14.2	11.1	4.5
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°	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5
2.5°	445.9	447.0	448.8	450.3	452.1	454.2	457.1	458.9	460.8	462.0	461.2
5°	447.8	450.0	454.8	459.5	465.1	470.3	476.2	480.6	484.1	485.1	485.5
7.5°	451.9	455.6	463.7	471.7	480.6	489.0	497.7	505.1	511.1	513.3	513.5
10°	459.1	464.1	475.4	486.7	498.5	511.5	522.6	533.3	541.8	545.3	545.5
12.5°	468.2	474.4	489.2	504.9	521.2	539.1	553.5	566.7	577.3	582.0	582.0
15°	479.9	488.0	507.0	528.0	551.9	576.8	595.2	609.8	621.6	627.3	626.9
17.5°	492.7	503.4	527.4	559.1	593.3	626.1	647.6	658.3	670.4	676.0	675.8
20°	505.1	518.3	552.5	598.7	644.3	679.1	696.4	699.3	700.1	700.7	702.4
22.5°	517.9	535.6	584.1	648.6	697.4	721.6	724.0	711.7	694.4	686.3	688.6
25°	531.9	555.4	625.3	703.6	743.2	746.1	727.1	697.0	664.3	649.2	651.5
27.5°	545.5	578.3	674.8	756.2	776.2	750.8	710.0	667.3	627.8	611.9	613.7
30°	559.1	604.5	729.4	802.2	791.2	739.1	683.0	635.4	595.6	578.9	580.8
32.5°	572.9	635.0	792.3	835.4	788.6	714.1	649.4	599.5	564.5	546.9	549.2
35°	588.6	672.5	851.9	853.5	770.6	677.4	605.1	556.6	526.1	512.1	515.2
37.5°	609.0	720.1	904.4	858.0	739.3	623.6	550.0	505.9	480.8	474.4	478.9
40°	634.4	777.4	944.6	850.8	692.9	558.3	489.8	454.6	440.4	441.8	446.8
42.5°	667.3	841.6	972.9	832.3	628.4	490.9	437.1	421.4	428.2	434.0	439.3
45°	710.2	908.1	990.4	800.7	555.4	433.8	405.9	409.6	414.8	415.4	419.5
47.5°	765.1	975.6	1001.9	753.1	481.0	393.6	386.1	387.0	385.9	381.6	384.9
50°	833.5	1041.1	1012.3	690.0	417.7	368.4	358.5	355.6	341.4	327.4	329.2
52.5°	911.4	1101.3	1016.6	611.7	368.4	347.4	331.3	313.2	286.6	282.2	283.7
55°	998.0	1157.0	1005.4	515.4	327.0	320.4	296.0	274.2	271.3	267.6	268.2
57.5°	1101.5	1217.0	982.8	408.0	284.5	288.8	265.1	267.6	262.4	256.7	255.6
60°	1214.7	1279.0	943.0	310.1	240.6	249.5	257.1	256.9	255.4	250.7	249.0
62.5°	1316.5	1319.8	864.6	237.5	202.0	218.9	239.8	239.6	238.3	235.6	234.6
65°	1377.2	1313.7	733.9	187.0	170.3	193.8	216.3	217.9	218.1	217.9	217.9
67.5°	1366.4	1241.3	554.6	148.8	144.1	168.2	193.0	195.2	196.9	197.3	197.7
70°	1245.2	1082.3	361.6	118.7	120.8	145.8	170.9	173.2	174.6	176.3	177.1
72.5°	970.6	795.8	207.0	96.1	100.4	126.4	149.1	151.7	152.6	155.7	156.9
75°	*591.5*	*468.0*	*111.7*	*75.7*	*82.5*	*108.0*	*127.4*	*130.5*	*131.9*	*135.7*	*136.1*
77.5°	281.2	202.7	63.7	59.0	66.4	88.2	107.6	111.1	107.2	109.3	107.6
80°	95.0	75.2	40.2	44.9	50.7	68.9	86.2	89.7	81.4	81.0	80.2
82.5°	33.2	30.5	25.6	29.9	32.8	49.3	65.1	69.7	60.6	60.4	57.5
85°	13.0	12.4	14.2	16.3	19.6	30.3	42.9	45.1	37.3	30.1	29.7
87.5°	2.7	2.9	3.5	3.7	6.0	10.5	15.5	19.0	15.0	12.8	11.8
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)