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: P1201231

Luminaire Tested: GWC-SB1A-827-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201231
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-827-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3876 lumens
Efficiency:	N/A
Efficacy:	125.4 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):	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

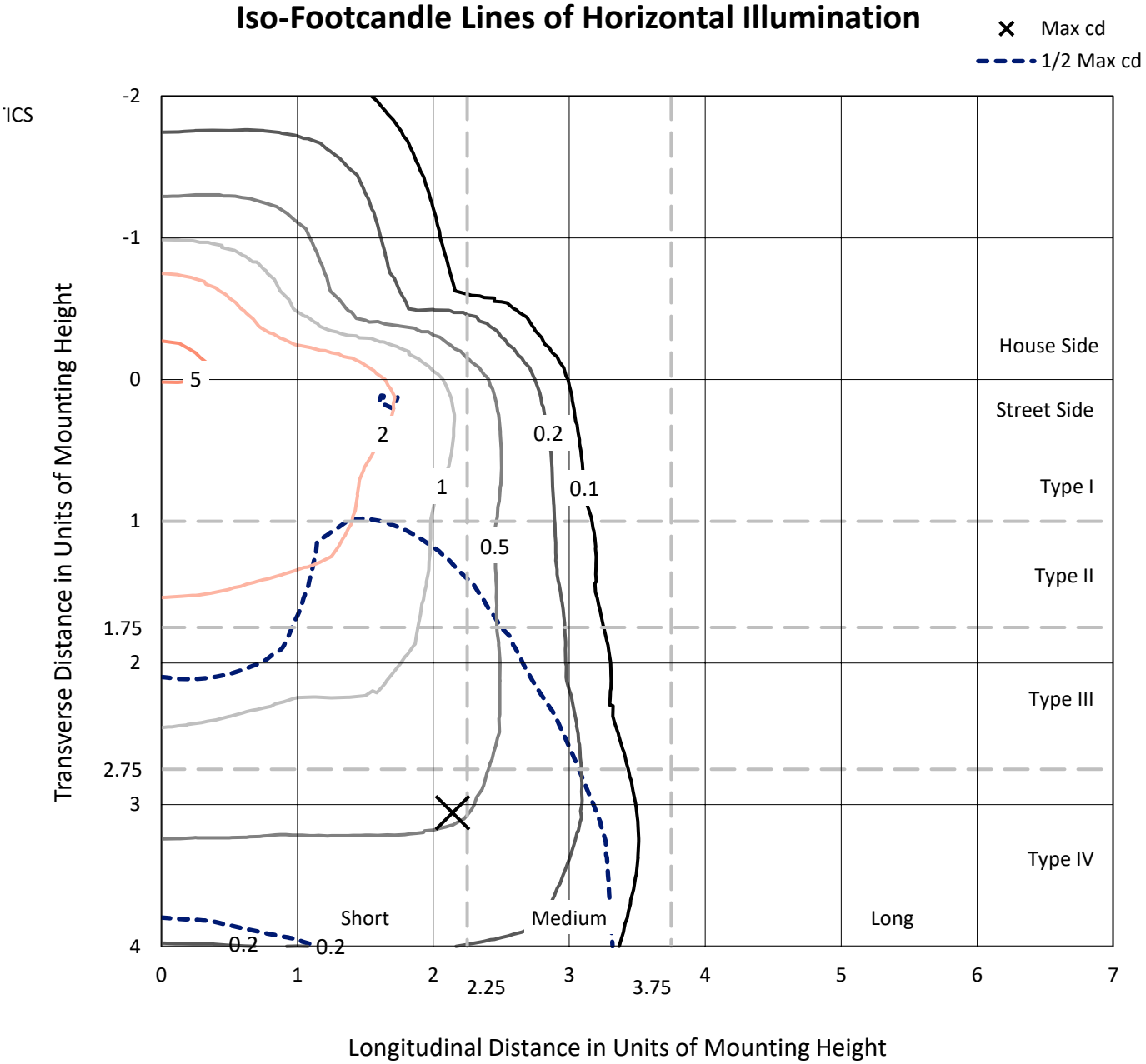


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Iso-Footcandle Lines of Horizontal Illumination



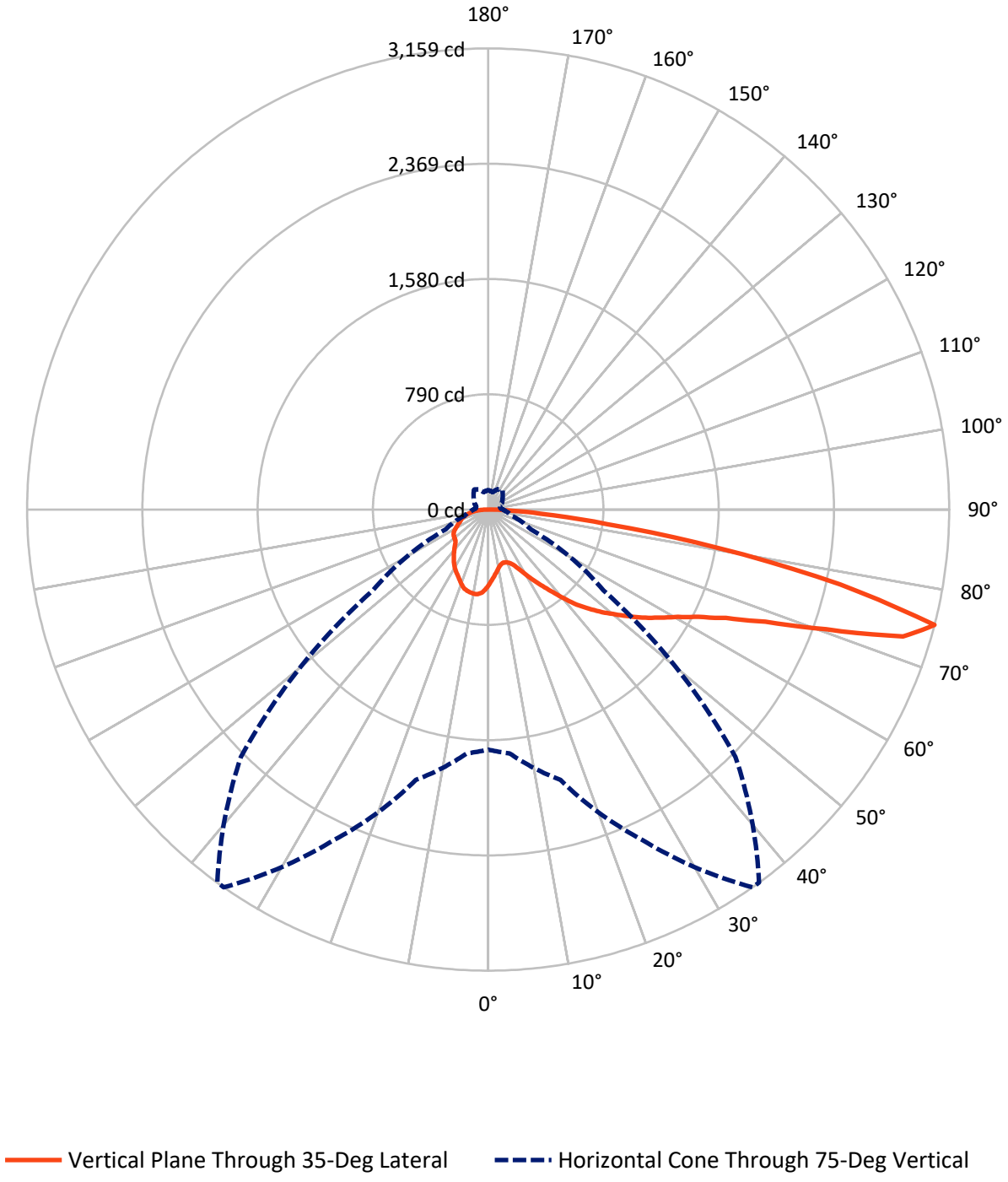
Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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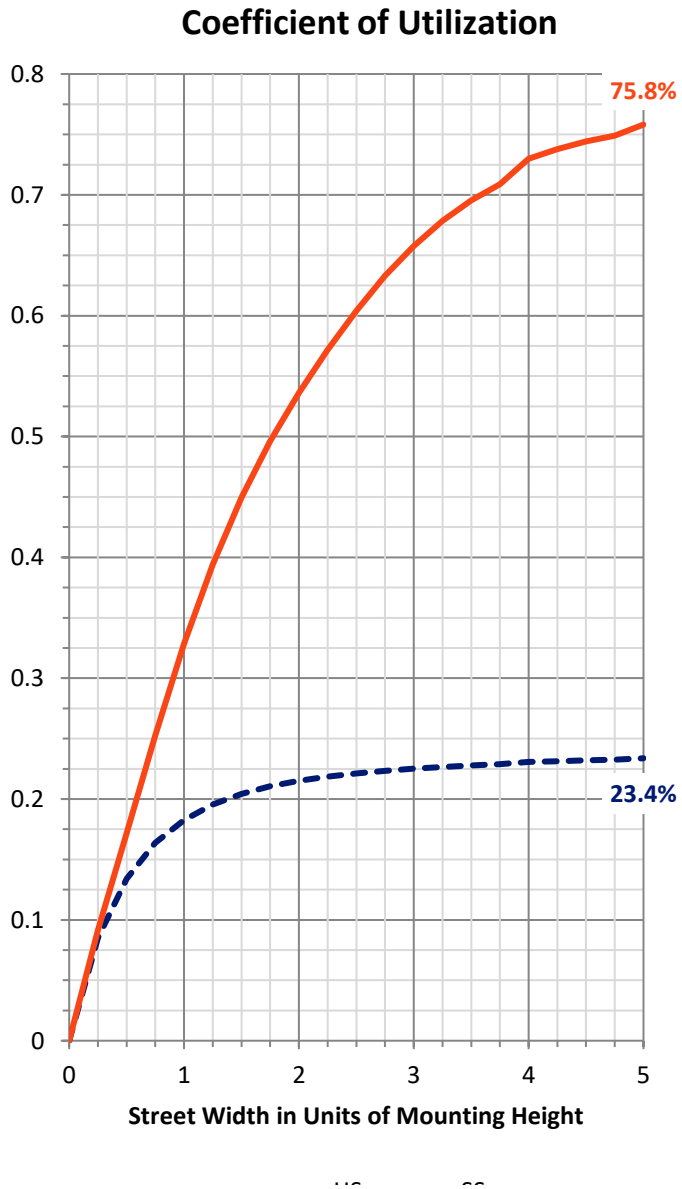
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	922.4	0.0	922.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	2953.6	0.0	2953.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	3876.0	0.0	3876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	1.3
10°-20°	141.1	3.6
20°-30°	236.9	6.1
30°-40°	368.1	9.5
40°-50°	546.4	14.1
50°-60°	754.3	19.5
60°-70°	915.2	23.6
70°-80°	756.3	19.5
80°-90°	108.8	2.8
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°	3876.0	100.0
0°-180°	3876.0	100.0



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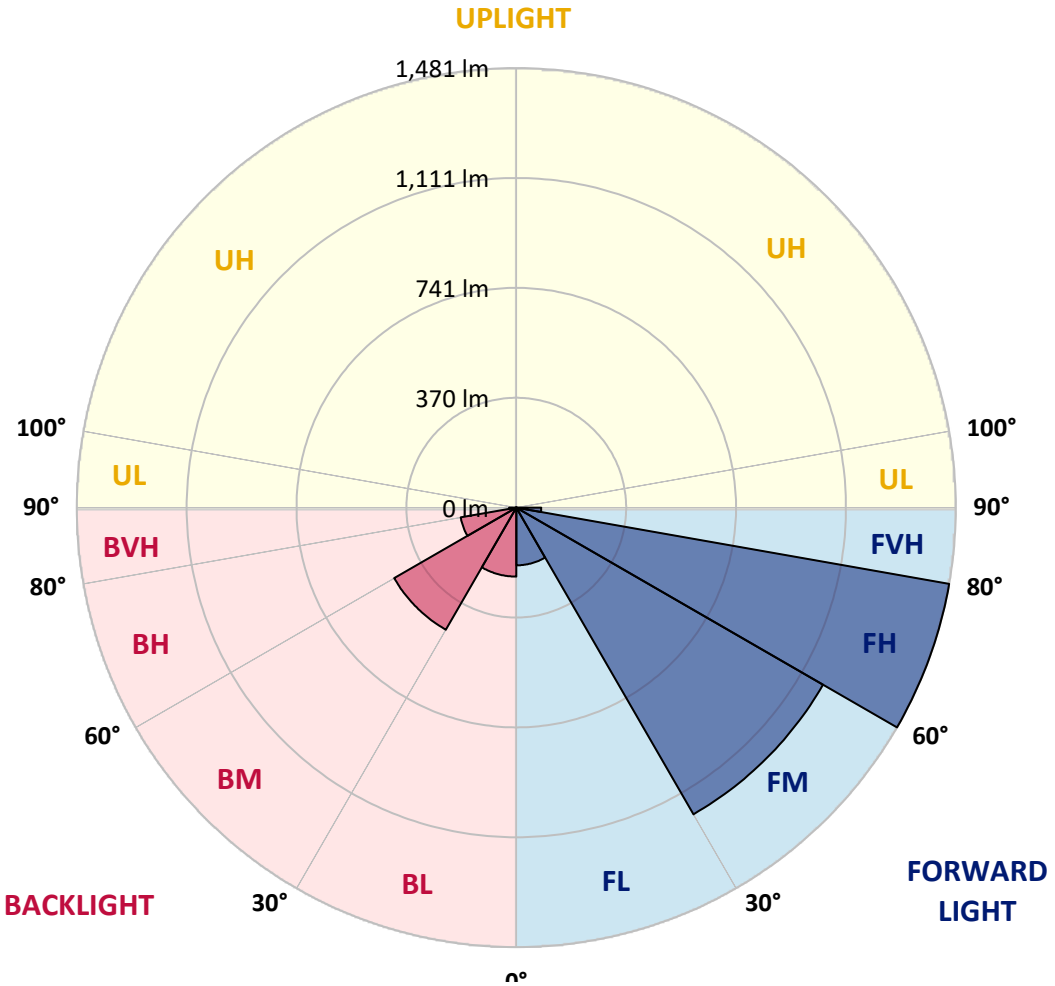
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	194.4	5.0			
FM	(30°-60°)	1193.6	30.8			
FH	(60°-80°)	1481.3	38.2			G1/1800
FVH	(80°-90°)	84.3	2.2			G1/100
BL	(0°-30°)	232.5	6.0	B1/500		
BM	(30°-60°)	475.3	12.3	B1/1000		
BH	(60°-80°)	190.2	4.9	B1/500		G1/500
BVH	(80°-90°)	24.5	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	516.5	516.5	516.5	516.5	*516.5*	516.5	516.5	516.5	516.5	516.5	516.5
2.5°	476.3	479.2	480.5	479.8	*483.0*	482.6	487.0	492.4	499.9	507.3	518.0
5°	439.6	442.7	445.5	448.0	*454.1*	455.9	462.9	473.3	487.2	501.2	518.8
7.5°	405.4	408.2	412.4	417.0	*427.2*	429.1	440.7	457.0	476.3	496.8	521.1
10°	377.6	380.3	384.7	389.9	*402.7*	405.0	419.7	441.5	466.6	492.6	523.6
12.5°	365.6	366.5	369.0	374.2	*385.3*	386.8	402.9	427.9	457.2	489.5	527.4
15°	365.0	366.7	366.9	369.6	*378.8*	379.5	394.3	419.1	451.3	488.8	533.1
17.5°	371.3	372.6	370.7	372.3	*380.1*	381.1	392.9	414.9	449.5	491.6	542.7
20°	388.1	389.1	383.4	381.1	*386.8*	387.6	399.2	417.6	451.3	497.2	555.9
22.5°	423.7	424.3	410.5	401.0	*401.5*	401.9	411.9	428.7	458.7	507.5	572.7
25°	479.2	478.8	456.8	438.6	*428.1*	425.8	432.5	446.7	471.0	521.1	594.2
27.5°	544.2	541.0	519.0	491.8	*468.9*	465.6	464.1	470.2	488.6	539.1	620.6
30°	617.5	614.6	590.9	555.3	*523.6*	518.2	504.4	501.2	514.8	563.6	657.3
32.5°	698.0	696.1	667.8	624.6	*582.3*	576.0	552.8	544.4	555.1	600.7	708.4
35°	765.4	763.8	740.3	695.9	*644.1*	636.4	612.7	603.3	608.7	648.3	775.3
37.5°	826.4	825.6	805.5	770.5	*717.0*	707.6	681.0	677.8	676.8	711.0	856.4
40°	883.0	880.9	859.9	841.5	*801.9*	793.3	769.8	767.1	759.1	788.1	948.1
42.5°	945.6	940.2	909.8	901.2	*890.5*	883.4	869.4	869.8	852.2	875.0	1045.4
45°	996.8	993.6	962.4	957.4	*968.9*	966.0	978.1	981.3	947.1	966.2	1146.4
47.5°	1051.7	1048.7	1022.3	1018.8	*1050.0*	1050.8	1093.8	1094.8	1039.7	1060.9	1247.6
50°	1119.3	1115.1	1089.0	1093.4	*1128.3*	1131.5	1210.1	1202.9	1125.0	1157.1	1347.9
52.5°	1164.0	1166.5	1160.8	1167.9	*1215.7*	1218.7	1324.5	1306.2	1209.4	1252.0	1446.4
55°	1196.9	1201.9	1219.5	1235.8	*1307.9*	1310.8	1432.4	1404.5	1279.4	1340.0	1539.0
57.5°	1239.2	1232.1	1265.0	1296.8	*1395.5*	1403.3	1537.4	1499.2	1341.4	1415.8	1602.5
60°	1300.0	1294.9	1320.5	1367.6	*1493.6*	1505.9	1648.4	1584.5	1386.9	1476.0	1614.9
62.5°	1423.2	1410.6	1414.6	1456.3	*1617.2*	1633.5	1773.7	1658.9	1409.5	1499.4	1548.7
65°	1607.3	1585.8	1565.6	1594.6	*1791.3*	1807.4	1915.1	1717.3	1401.2	1454.0	1372.9
67.5°	1839.3	1817.9	1793.2	1820.4	*2047.8*	2060.6	2089.7	1750.2	1335.2	1278.8	1062.1
70°	2030.6	2022.6	2052.2	2164.3	*2457.4*	2457.8	2313.5	1723.0	1154.3	906.7	614.6
72.5°	2005.2	2000.4	2156.1	2502.7	*2973.7*	2962.6	2525.3	1516.8	777.6	409.0	230.3
75°	*1645.1*	*1676.3*	*1917.5*	*2496.6*	*3159.2*	*3157.7*	*2395.6*	*964.3*	*321.6*	*169.5*	*119.0*
77.5°	882.1	931.6	1244.8	1843.3	*2466.2*	2503.3	1684.2	337.4	138.1	108.5	82.3
80°	287.7	330.9	496.2	938.5	*1602.5*	1595.6	721.8	132.4	94.5	76.9	57.0
82.5°	122.2	127.2	221.7	443.2	*822.4*	809.6	229.9	76.1	66.4	52.6	35.2
85°	47.8	53.4	97.9	204.9	*356.2*	348.5	83.0	37.7	42.5	34.4	21.0
87.5°	15.7	19.1	35.0	70.2	*110.8*	106.9	20.3	13.0	18.4	15.7	7.5
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°	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5	516.5
2.5°	520.9	524.3	528.2	534.1	539.1	543.3	547.7	550.4	551.5	554.6	554.4
5°	524.7	532.0	541.9	551.5	560.9	566.6	571.6	574.1	576.4	578.1	578.5
7.5°	531.0	540.4	555.9	568.5	576.4	581.0	584.4	583.6	584.4	584.8	585.4
10°	536.4	549.6	568.0	580.0	586.1	586.3	585.4	582.5	581.0	581.2	581.7
12.5°	542.9	557.6	577.5	587.5	589.2	584.6	581.0	576.0	574.1	573.3	572.9
15°	551.7	568.5	587.7	591.5	587.3	581.5	575.4	567.2	563.0	559.7	560.7
17.5°	562.4	580.8	595.7	593.0	584.0	574.3	564.5	552.1	543.5	540.0	540.2
20°	577.3	593.8	601.8	589.8	576.2	561.6	544.8	529.7	521.7	518.2	517.8
22.5°	595.3	611.2	607.7	584.4	565.1	541.6	520.7	509.6	505.6	503.1	503.5
25°	616.9	630.5	611.8	576.4	546.9	515.2	499.1	495.5	493.7	491.8	491.8
27.5°	644.9	652.3	615.0	564.7	518.4	487.2	481.3	481.9	481.3	478.2	478.8
30°	682.0	680.6	617.9	545.6	485.7	461.8	462.2	465.0	465.4	463.3	464.3
32.5°	730.9	716.0	619.4	520.9	454.5	439.6	440.0	443.0	445.1	441.5	443.2
35°	789.9	757.3	617.1	489.9	430.4	418.4	415.3	416.1	416.8	413.4	415.7
37.5°	858.9	803.6	606.8	455.5	410.5	397.7	391.0	385.3	382.0	378.8	380.9
40°	934.5	854.1	588.0	422.0	388.3	375.7	365.6	355.0	343.6	339.4	341.3
42.5°	1013.7	906.0	565.1	389.9	362.7	352.4	341.8	326.2	309.3	300.7	301.7
45°	1095.9	959.3	542.7	358.3	336.5	332.1	319.8	301.1	282.7	271.8	270.9
47.5°	1176.3	1009.5	509.8	326.5	312.0	316.8	307.2	290.0	269.5	252.3	250.4
50°	1253.2	1056.7	455.9	294.2	292.1	312.2	303.0	278.3	254.8	232.8	230.9
52.5°	1329.5	1094.8	387.0	264.9	281.4	310.9	297.5	270.3	241.6	218.5	216.0
55°	1394.2	1114.5	320.6	239.7	265.9	300.3	291.0	260.9	222.9	198.4	196.3
57.5°	1431.1	1098.6	265.3	215.0	244.5	282.7	279.9	240.8	200.7	181.9	179.4
60°	1415.2	1034.1	220.0	193.4	224.2	263.6	260.7	220.8	183.8	166.0	163.4
62.5°	1327.4	911.1	184.2	174.5	205.8	244.1	241.4	205.6	170.8	153.6	150.9
65°	1150.6	741.1	156.3	158.8	187.1	220.6	224.6	192.8	160.5	143.7	141.0
67.5°	877.5	536.8	134.5	145.2	168.9	197.6	209.1	183.6	151.9	136.0	133.5
70°	500.2	304.9	116.1	132.0	152.8	176.2	197.2	176.2	142.7	129.5	127.8
72.5°	189.6	140.0	100.4	118.8	137.2	158.2	184.0	164.7	132.0	122.2	120.5
75°	*101.2*	*85.3*	*84.4*	*103.3*	*119.4*	*140.6*	*167.4*	*153.4*	*124.0*	*129.1*	*133.3*
77.5°	68.9	60.3	70.6	88.4	99.9	121.1	149.8	136.2	107.5	107.1	98.7
80°	47.8	42.7	57.4	71.2	77.3	101.8	130.7	116.9	87.6	81.7	78.2
82.5°	28.7	27.9	43.0	53.2	54.7	78.6	108.3	98.1	71.7	62.4	62.9
85°	15.7	16.6	27.4	31.2	31.8	54.9	84.9	75.9	55.1	46.3	46.7
87.5°	4.4	5.7	10.1	12.4	15.3	28.5	50.5	45.0	27.7	19.3	19.3
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)