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: P1203456

Luminaire Tested: GWC-SB2C-827-U-5MQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203456
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2C-827-U-5MQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13636 lumens
Efficiency:	N/A
Efficacy:	135.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	100.9
Input Voltage (V):	120.0
Input Current (Ain):	0.857
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.472
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

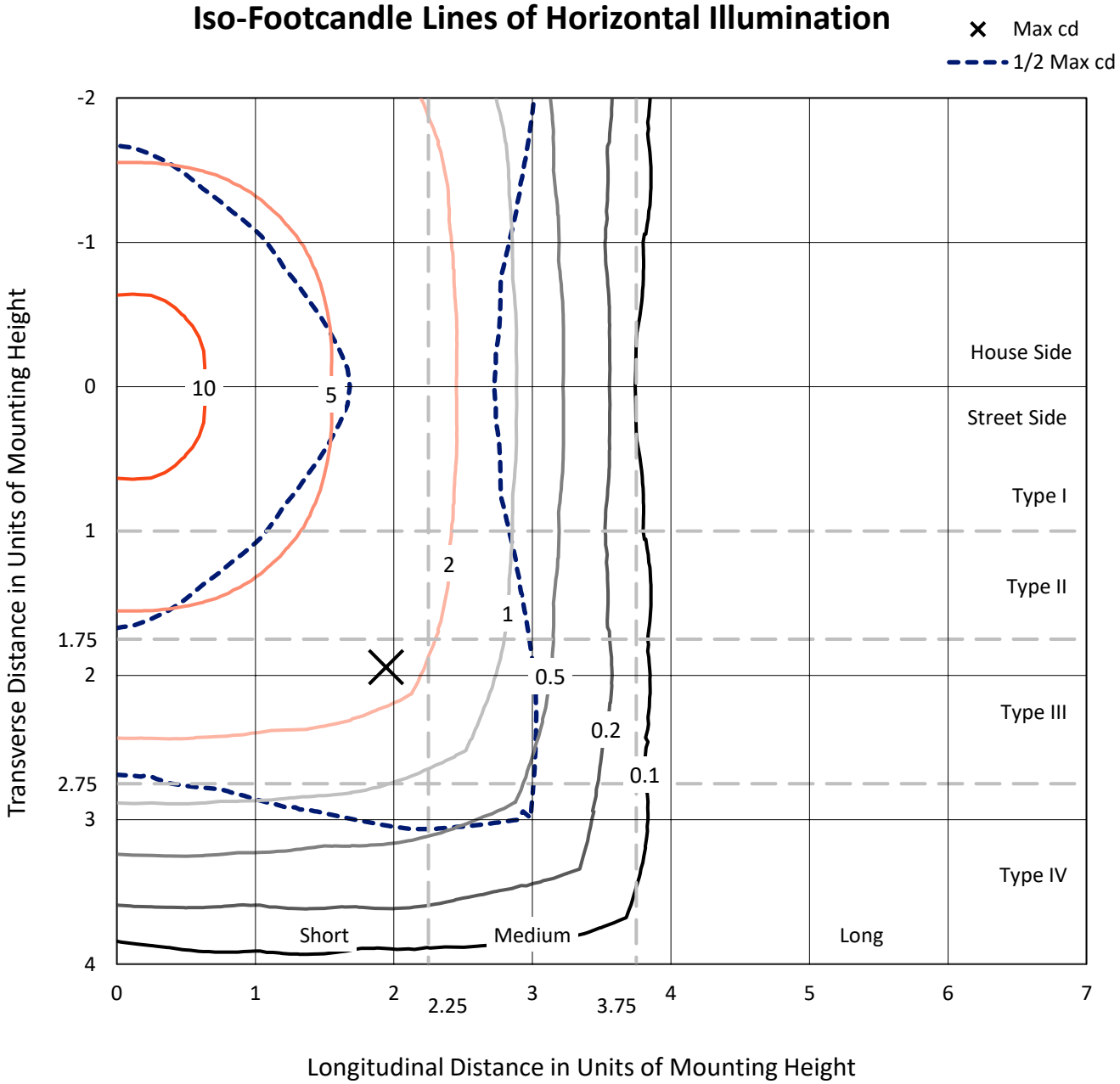


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Iso-Footcandle Lines of Horizontal Illumination



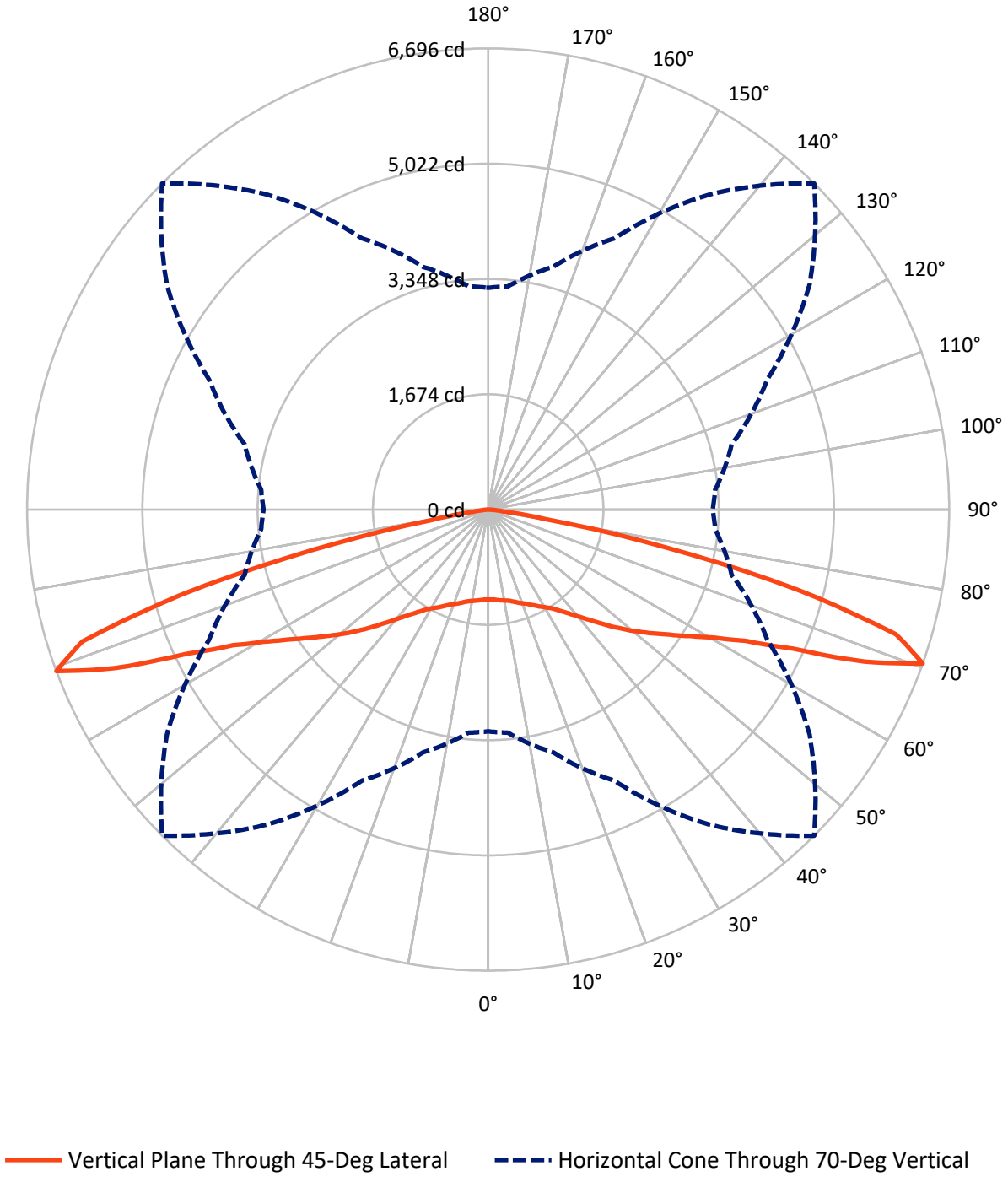
Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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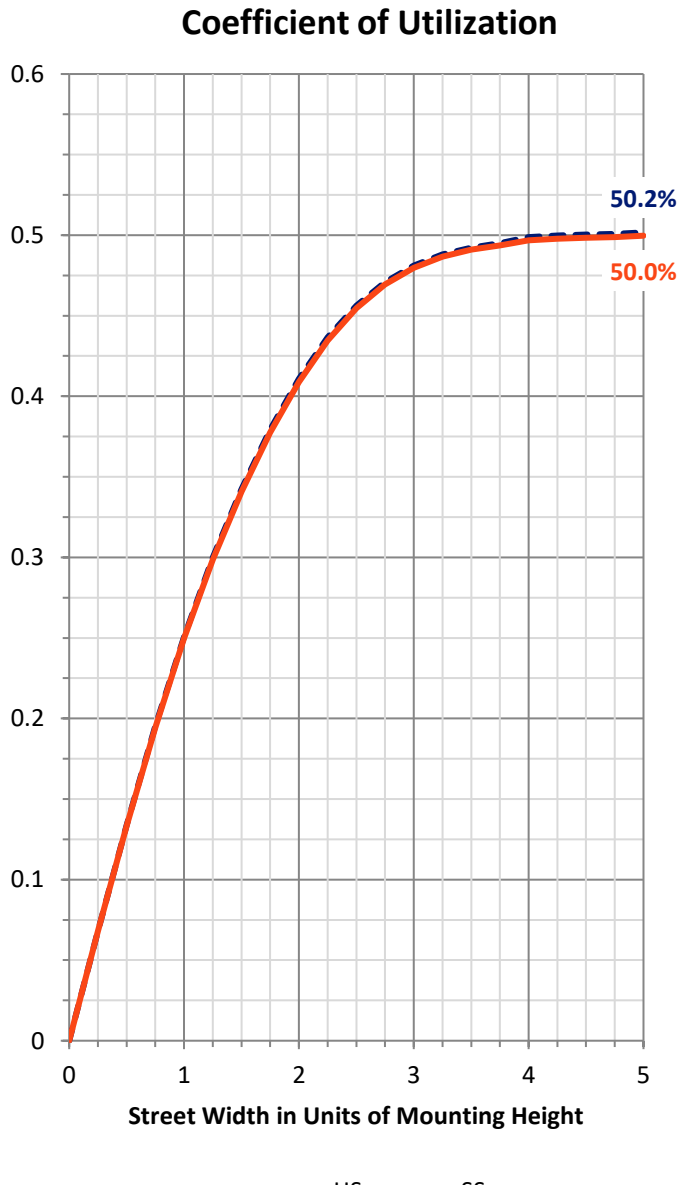
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6818.0	0.0	6818.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6818.0	0.0	6818.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13636.0	0.0	13636.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	0.9
10°-20°	393.5	2.9
20°-30°	703.2	5.2
30°-40°	1139.9	8.4
40°-50°	1856.7	13.6
50°-60°	2830.9	20.8
60°-70°	4211.4	30.9
70°-80°	2295.3	16.8
80°-90°	78.2	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°	13636.0	100.0
0°-180°	13636.0	100.0



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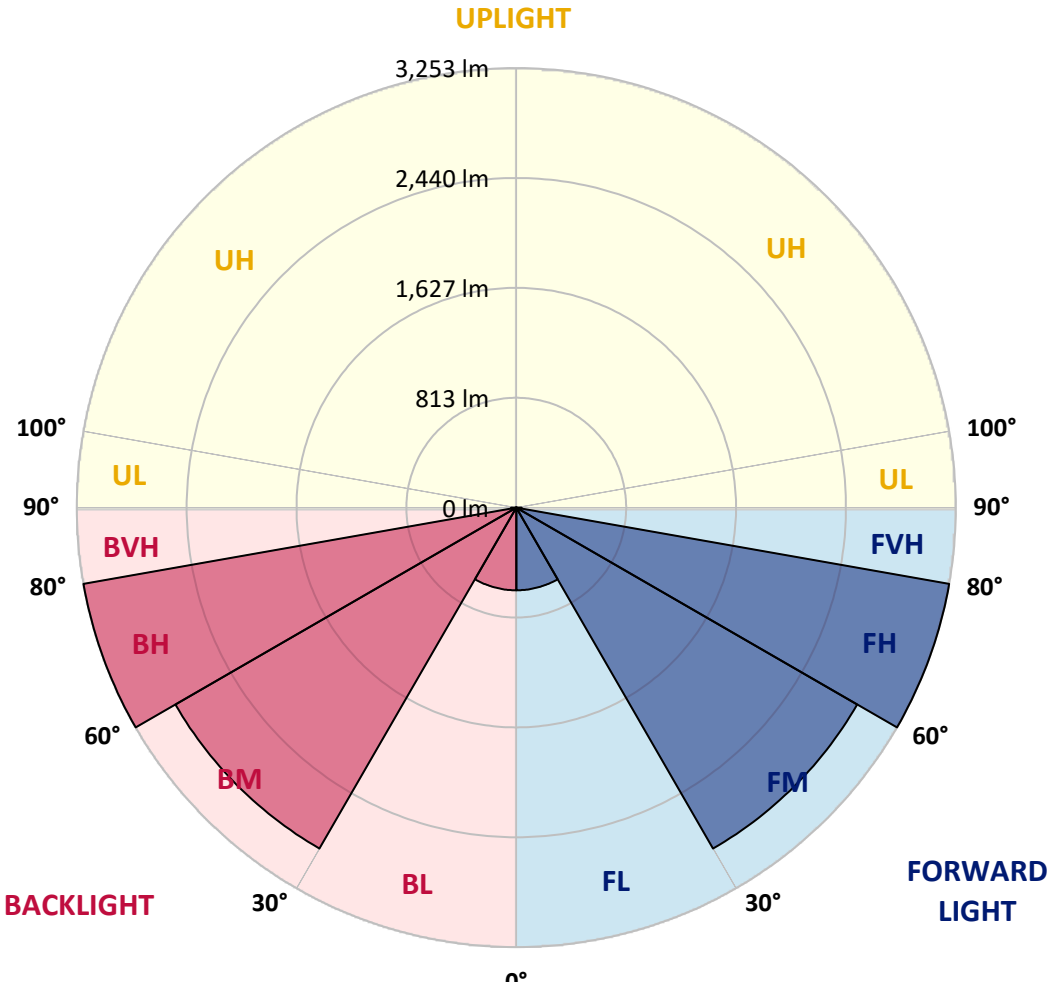
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	611.8	4.5			
FM	(30°-60°)	2913.7	21.4			
FH	(60°-80°)	3253.4	23.9			G2/5000
FVH	(80°-90°)	39.1	0.3			G1/100
BL	(0°-30°)	611.8	4.5	B2/1000		
BM	(30°-60°)	2913.7	21.4	B3/5000		
BH	(60°-80°)	3253.4	23.9	B4/5000		G2/5000
BVH	(80°-90°)	39.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1306.2	1306.2	1306.2	1306.2	1306.2	*1306.2*	1306.2	1306.2	1306.2	1306.2	1306.2
2.5°	1312.3	1313.7	1311.0	1309.6	1308.2	*1306.2*	1306.9	1310.3	1313.0	1312.3	1313.0
5°	1323.3	1324.7	1322.6	1321.9	1319.2	*1318.5*	1318.5	1321.9	1324.0	1322.6	1323.3
7.5°	1335.6	1337.7	1334.3	1333.6	1332.2	*1330.8*	1330.1	1333.6	1335.6	1335.6	1335.6
10°	1347.3	1349.3	1346.6	1344.5	1343.2	*1343.2*	1341.8	1344.5	1347.9	1347.3	1347.3
12.5°	1359.6	1361.0	1358.2	1356.8	1356.8	*1358.9*	1356.8	1358.2	1361.0	1359.6	1358.9
15°	1374.6	1375.3	1374.6	1376.7	1380.1	*1387.0*	1380.8	1379.4	1380.8	1377.4	1377.4
17.5°	1395.2	1396.6	1399.3	1404.1	1408.9	*1421.2*	1410.2	1406.8	1406.8	1400.0	1400.0
20°	1420.5	1422.6	1426.7	1434.9	1441.1	*1452.7*	1441.7	1436.9	1434.9	1426.0	1426.0
22.5°	1447.2	1450.6	1456.8	1467.7	1478.7	*1489.7*	1478.7	1470.5	1464.3	1452.7	1452.0
25°	1478.0	1482.1	1491.7	1509.5	1524.6	*1540.3*	1527.3	1510.9	1498.6	1482.1	1481.4
27.5°	1521.8	1526.6	1538.3	1560.2	1579.3	*1593.0*	1580.7	1559.5	1542.4	1522.5	1521.8
30°	1583.4	1588.2	1601.9	1625.2	1638.2	*1647.1*	1638.9	1622.5	1601.9	1579.3	1579.3
32.5°	1662.9	1669.0	1684.1	1706.0	1708.7	*1710.1*	1707.4	1699.1	1684.1	1656.7	1657.4
35°	1763.5	1770.3	1787.5	1805.2	1802.5	*1805.2*	1801.1	1798.4	1787.5	1756.0	1756.0
37.5°	1886.7	1894.9	1912.7	1926.4	1919.6	*1916.2*	1916.8	1917.5	1911.4	1876.4	1876.4
40°	2029.8	2040.7	2053.8	2068.1	2056.5	*2046.2*	2053.1	2058.5	2053.1	2017.5	2017.5
42.5°	2177.0	2192.7	2206.4	2227.0	2217.4	*2204.4*	2213.9	2220.1	2208.5	2170.1	2172.9
45°	2340.6	2355.7	2373.5	2404.3	2397.4	*2383.7*	2397.4	2398.8	2378.9	2333.7	2338.5
47.5°	2509.7	2525.4	2552.1	2593.2	2590.5	*2575.4*	2593.2	2583.6	2558.3	2504.2	2500.8
50°	2669.9	2691.8	2732.9	2790.4	2795.8	*2777.4*	2801.3	2782.8	2740.4	2672.6	2671.2
52.5°	2820.5	2843.8	2908.8	2986.8	3006.7	*2982.7*	3014.9	2982.7	2919.1	2832.1	2823.9
55°	2978.6	3004.6	3082.0	3184.0	3223.7	*3205.9*	3236.0	3187.4	3097.1	2991.6	2977.3
57.5°	3164.8	3180.6	3273.0	3394.2	3461.3	*3465.4*	3479.1	3396.9	3287.4	3167.6	3151.1
60°	3366.8	3388.7	3489.3	3634.5	3740.6	*3774.8*	3760.4	3638.6	3511.2	3373.6	3351.7
62.5°	3625.6	3649.5	3770.0	3943.9	4111.6	*4196.5*	4140.4	3963.7	3806.3	3641.3	3612.6
65°	3839.8	3866.5	4084.2	4394.3	4699.7	*4870.1*	4729.1	4403.9	4120.5	3887.8	3849.4
67.5°	3684.4	3717.3	4058.9	4628.5	5387.7	*5896.3*	5413.7	4698.3	4143.1	3827.5	3780.3
70°	*3220.3*	*3251.1*	*3649.5*	*4345.7*	*5581.4*	*6695.9*	*5697.8*	*4473.8*	*3662.5*	*3309.3*	*3262.0*
72.5°	2138.0	2237.2	2640.4	3475.6	4983.8	*6196.2*	5033.1	3405.1	2449.4	2133.2	2064.0
75°	709.2	788.6	1063.8	1801.8	3338.0	*4634.0*	3177.8	1594.4	842.7	606.5	573.7
77.5°	178.7	206.1	284.1	515.5	1331.5	*2638.4*	1198.7	421.0	229.3	160.2	143.1
80°	86.9	95.8	136.9	171.8	333.4	*838.6*	312.9	161.6	108.2	83.5	76.7
82.5°	47.9	48.6	77.4	97.2	123.9	*217.0*	128.7	94.5	62.3	50.7	50.7
85°	29.4	28.8	41.1	52.0	52.0	*77.4*	61.6	52.0	35.6	31.5	32.9
87.5°	11.6	11.6	15.1	16.4	14.4	*19.9*	15.7	17.1	13.7	13.0	13.7
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)