Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1202708

Luminaire Tested: GWC-SB2A-827-U-5MQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202708
	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-SB2A-827-U-5MQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8167 lumens
Efficiency:	N/A
Efficacy:	142.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

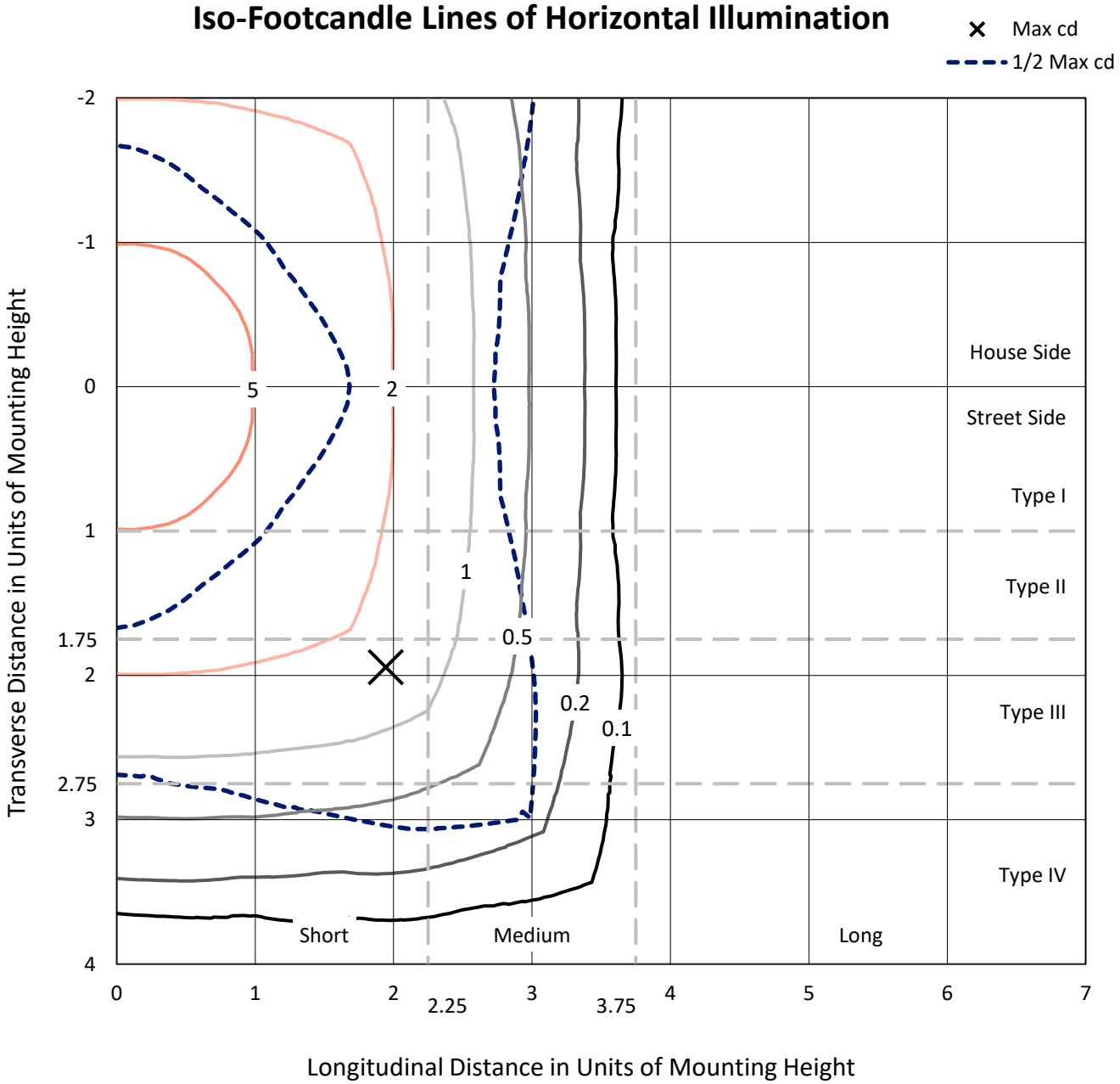


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Iso-Footcandle Lines of Horizontal Illumination



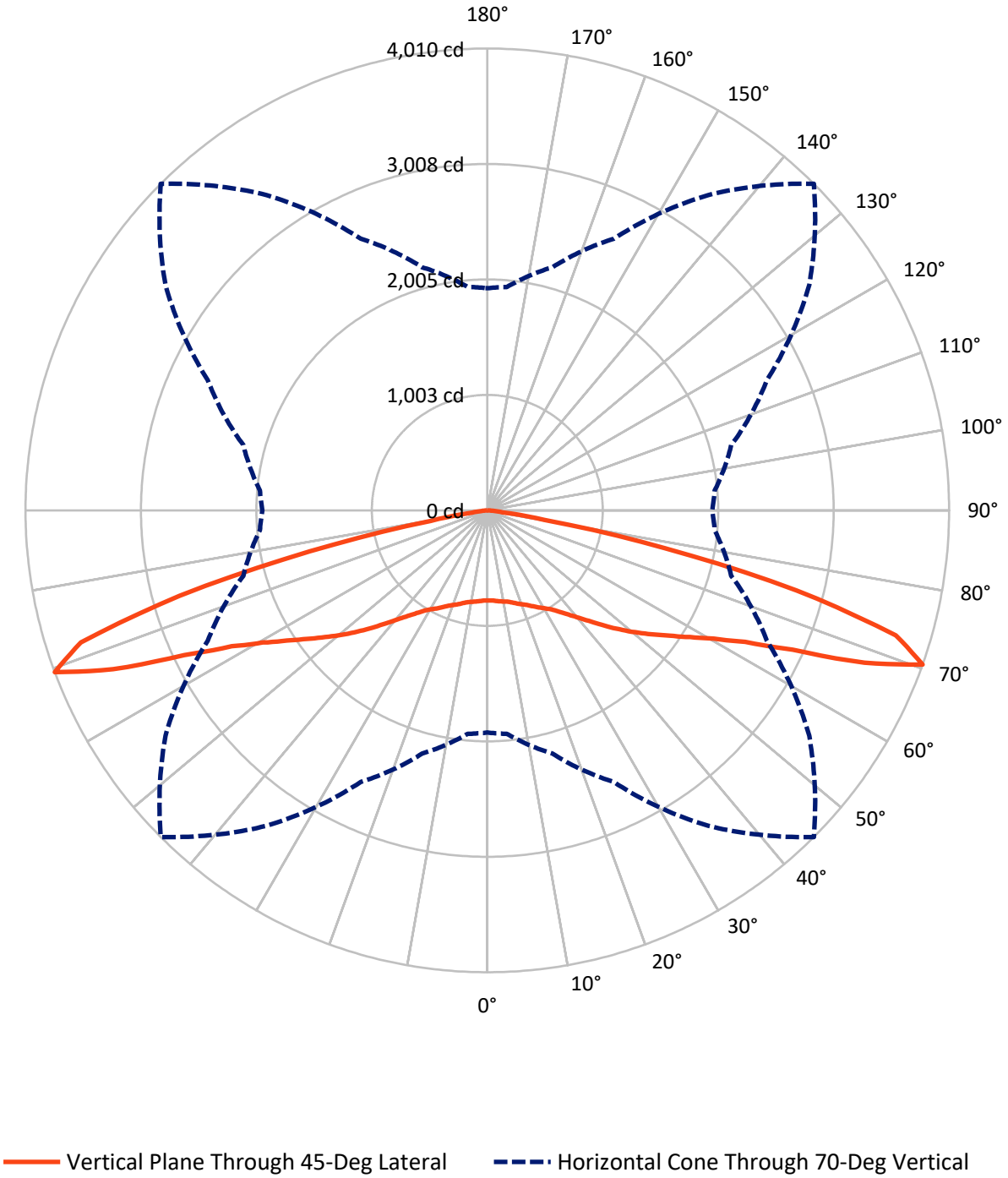
Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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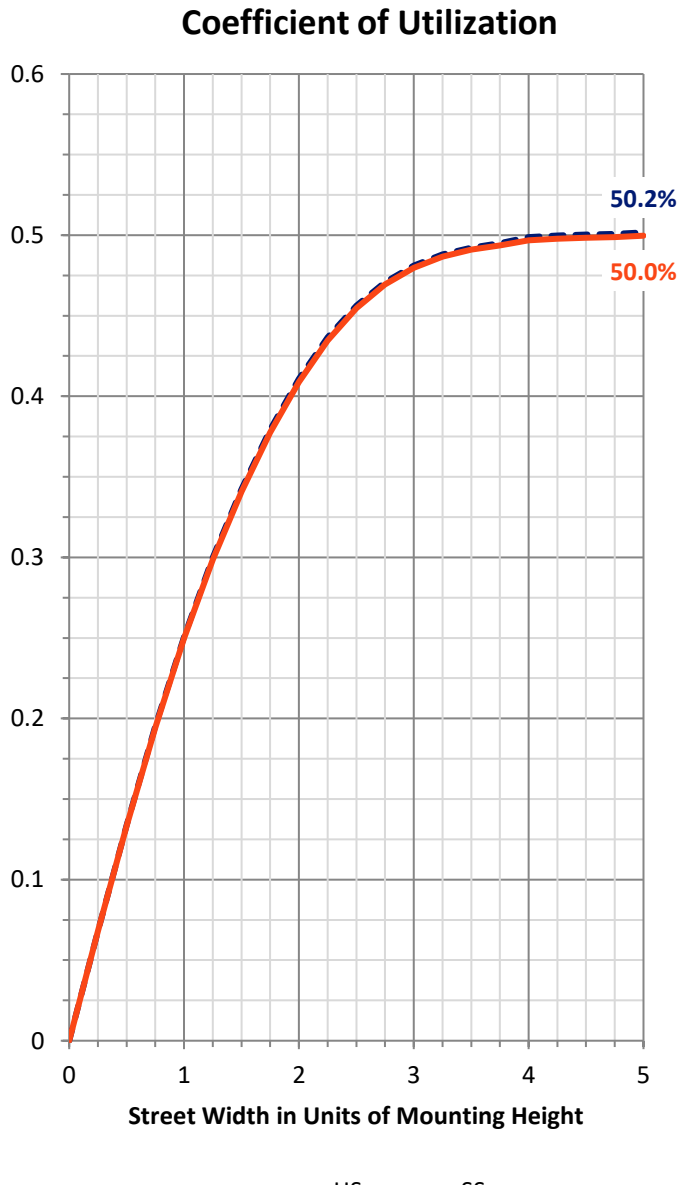
REPORT NUMBER: P1202708
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4083.5	0.0	4083.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4083.5	0.0	4083.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8167.0	0.0	8167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	0.9
10°-20°	235.7	2.9
20°-30°	421.2	5.2
30°-40°	682.7	8.4
40°-50°	1112.0	13.6
50°-60°	1695.5	20.8
60°-70°	2522.3	30.9
70°-80°	1374.8	16.8
80°-90°	46.8	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°	8167.0	100.0
0°-180°	8167.0	100.0



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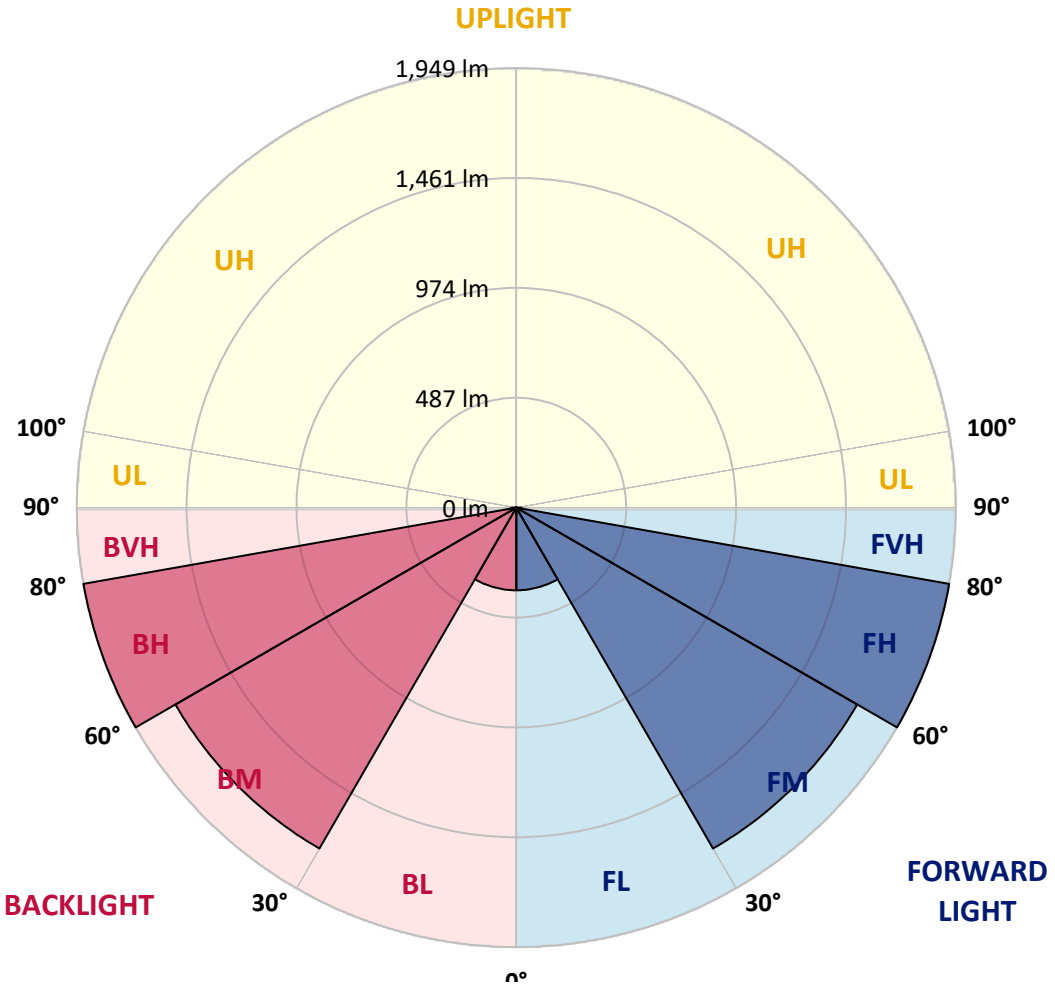
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	366.4	4.5			
FM	(30°-60°)	1745.1	21.4			
FH	(60°-80°)	1948.5	23.9			G2/5000
FVH	(80°-90°)	23.4	0.3			G1/100
BL	(0°-30°)	366.4	4.5	B1/500		
BM	(30°-60°)	1745.1	21.4	B2/2500		
BH	(60°-80°)	1948.5	23.9	B3/2500		G2/5000
BVH	(80°-90°)	23.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	782.3	782.3	782.3	782.3	782.3	*782.3*	782.3	782.3	782.3	782.3	782.3
2.5°	786.0	786.8	785.2	784.4	783.5	*782.3*	782.7	784.8	786.4	786.0	786.4
5°	792.6	793.4	792.2	791.7	790.1	*789.7*	789.7	791.7	793.0	792.2	792.6
7.5°	799.9	801.2	799.1	798.7	797.9	*797.1*	796.7	798.7	799.9	799.9	799.9
10°	806.9	808.1	806.5	805.3	804.5	*804.5*	803.6	805.3	807.3	806.9	806.9
12.5°	814.3	815.1	813.5	812.7	812.7	*813.9*	812.7	813.5	815.1	814.3	813.9
15°	823.3	823.7	823.3	824.5	826.6	*830.7*	827.0	826.2	827.0	825.0	825.0
17.5°	835.6	836.4	838.1	840.9	843.8	*851.2*	844.6	842.6	842.6	838.5	838.5
20°	850.8	852.0	854.5	859.4	863.1	*870.1*	863.5	860.6	859.4	854.1	854.1
22.5°	866.8	868.8	872.5	879.1	885.6	*892.2*	885.6	880.7	877.0	870.1	869.6
25°	885.2	887.7	893.4	904.1	913.1	*922.5*	914.7	904.9	897.5	887.7	887.3
27.5°	911.5	914.3	921.3	934.4	945.9	*954.1*	946.7	934.0	923.8	911.9	911.5
30°	948.4	951.2	959.4	973.4	981.2	*986.5*	981.6	971.7	959.4	945.9	945.9
32.5°	995.9	999.6	1008.6	1021.8	1023.4	*1024.2*	1022.6	1017.7	1008.6	992.2	992.7
35°	1056.2	1060.3	1070.6	1081.2	1079.6	*1081.2*	1078.8	1077.1	1070.6	1051.7	1051.7
37.5°	1130.0	1134.9	1145.6	1153.8	1149.7	*1147.6*	1148.1	1148.5	1144.8	1123.9	1123.9
40°	1215.7	1222.3	1230.1	1238.7	1231.7	*1225.5*	1229.6	1232.9	1229.6	1208.3	1208.3
42.5°	1303.9	1313.3	1321.5	1333.8	1328.0	*1320.3*	1326.0	1329.7	1322.7	1299.8	1301.4
45°	1401.9	1410.9	1421.5	1440.0	1435.9	*1427.7*	1435.9	1436.7	1424.8	1397.8	1400.6
47.5°	1503.1	1512.6	1528.5	1553.1	1551.5	*1542.5*	1553.1	1547.4	1532.2	1499.8	1497.8
50°	1599.1	1612.2	1636.8	1671.2	1674.5	*1663.4*	1677.8	1666.7	1641.3	1600.7	1599.9
52.5°	1689.3	1703.2	1742.2	1788.9	1800.8	*1786.4*	1805.7	1786.4	1748.3	1696.2	1691.3
55°	1784.0	1799.6	1845.9	1907.0	1930.8	*1920.1*	1938.2	1909.0	1854.9	1791.8	1783.2
57.5°	1895.5	1904.9	1960.3	2032.9	2073.1	*2075.5*	2083.7	2034.5	1968.9	1897.2	1887.3
60°	2016.5	2029.6	2089.9	2176.8	2240.3	*2260.8*	2252.2	2179.2	2103.0	2020.6	2007.4
62.5°	2171.5	2185.8	2258.0	2362.1	2462.6	*2513.4*	2479.8	2374.0	2279.7	2180.9	2163.7
65°	2299.8	2315.8	2446.2	2631.9	2814.8	*2916.9*	2832.4	2637.6	2467.9	2328.5	2305.5
67.5°	2206.7	2226.4	2431.0	2772.1	3226.8	*3531.5*	3242.4	2814.0	2481.4	2292.4	2264.1
70°	*1928.7*	*1947.2*	*2185.8*	*2602.8*	*3342.9*	*4010.4*	*3412.6*	*2679.5*	*2193.6*	*1982.0*	*1953.7*
72.5°	1280.5	1339.9	1581.4	2081.7	2984.9	*3711.1*	3014.5	2039.4	1467.0	1277.6	1236.2
75°	424.8	472.3	637.2	1079.2	1999.2	*2775.4*	1903.3	954.9	504.7	363.3	343.6
77.5°	107.0	123.4	170.2	308.7	797.5	*1580.2*	717.9	252.2	137.4	95.9	85.7
80°	52.1	57.4	82.0	102.9	199.7	*502.3*	187.4	96.8	64.8	50.0	45.9
82.5°	28.7	29.1	46.3	58.2	74.2	*130.0*	77.1	56.6	37.3	30.3	30.3
85°	17.6	17.2	24.6	31.2	31.2	*46.3*	36.9	31.2	21.3	18.9	19.7
87.5°	7.0	7.0	9.0	9.8	8.6	*11.9*	9.4	10.3	8.2	7.8	8.2
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)