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: P1203084

Luminaire Tested: GWC-SB2B-827-U-5WQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203084
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-5WQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9903 lumens
Efficiency:	N/A
Efficacy:	134.0 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):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

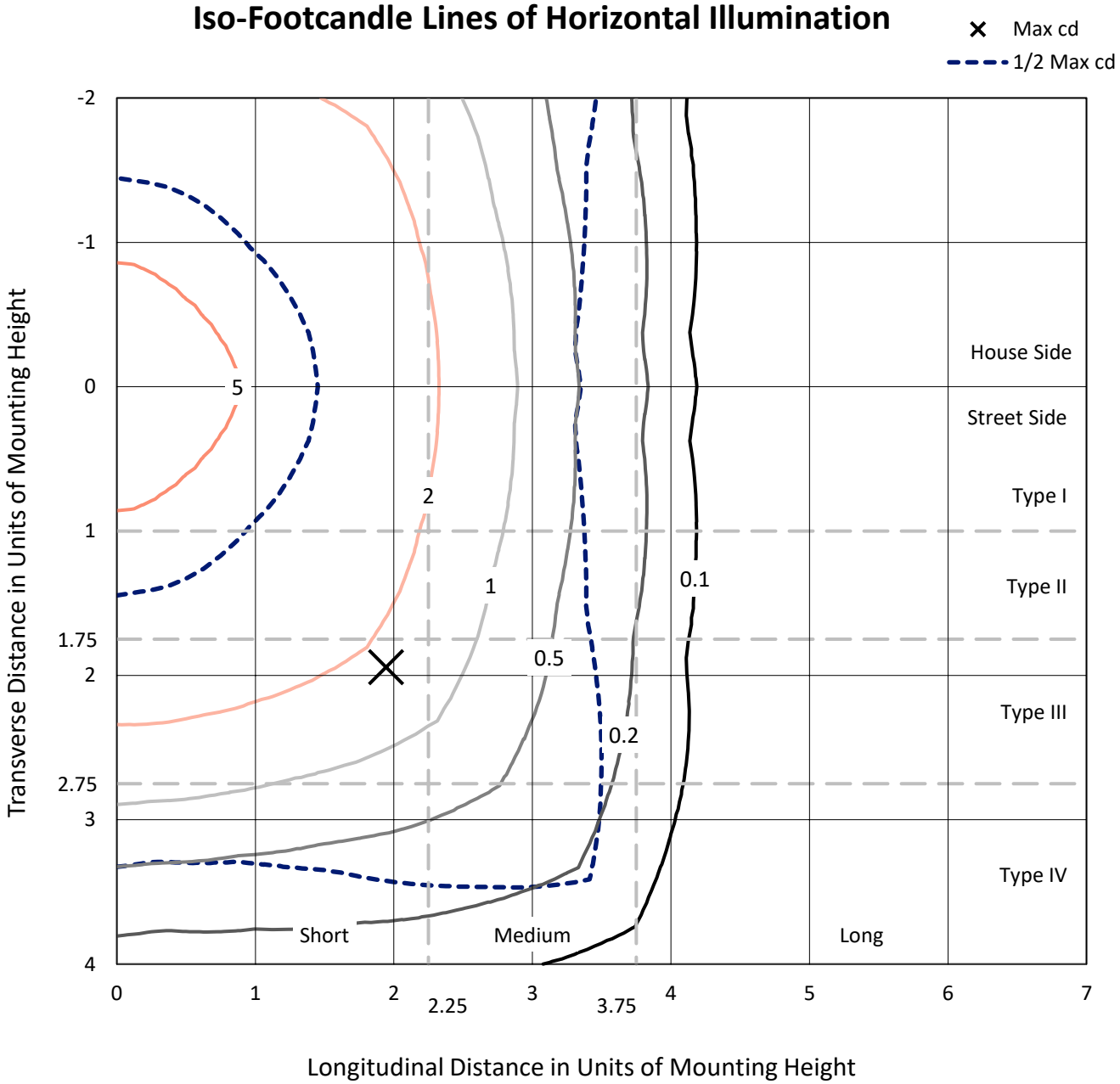


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Iso-Footcandle Lines of Horizontal Illumination



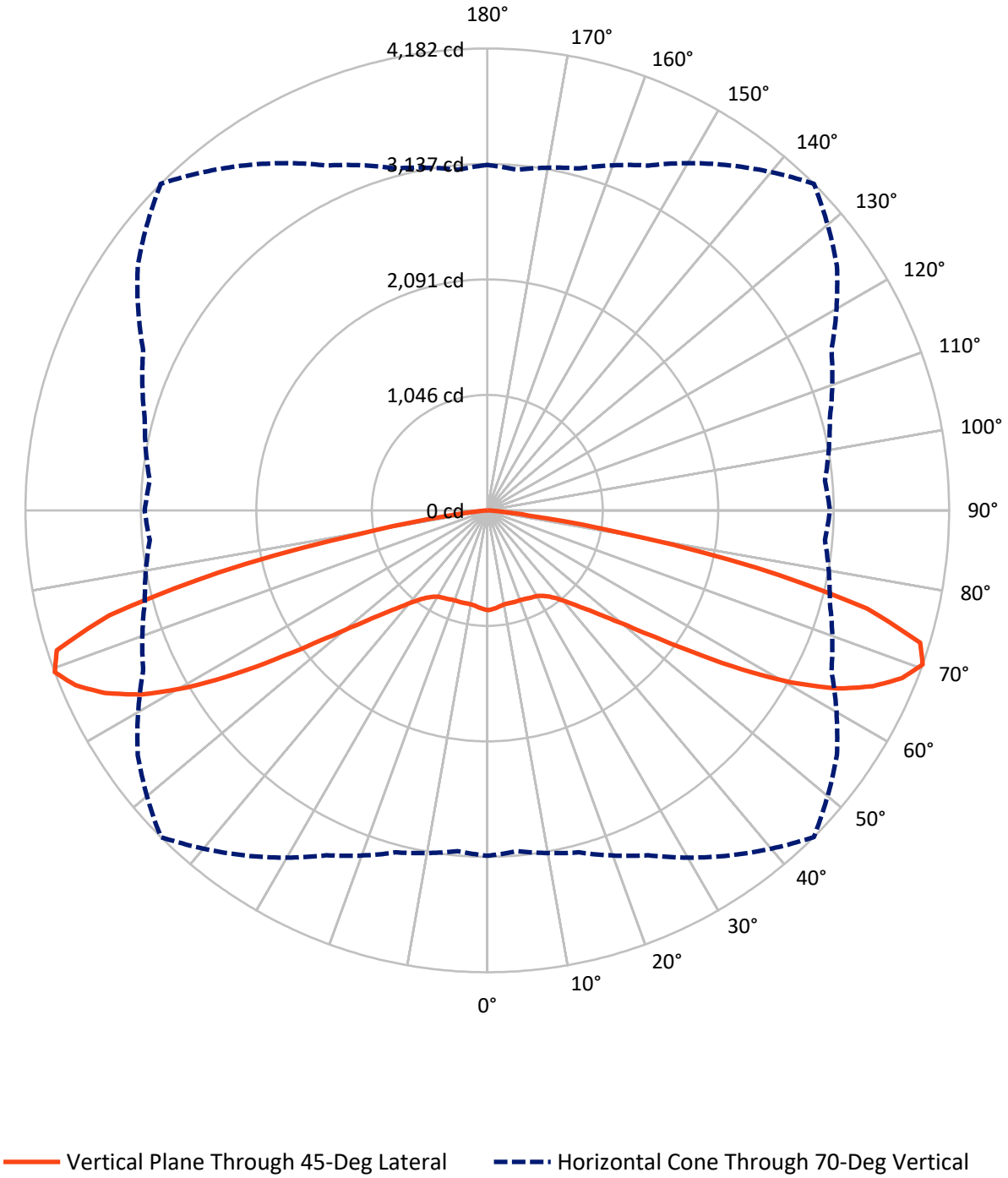
Based on 10 foot mounting height. Maximum calculated value = 9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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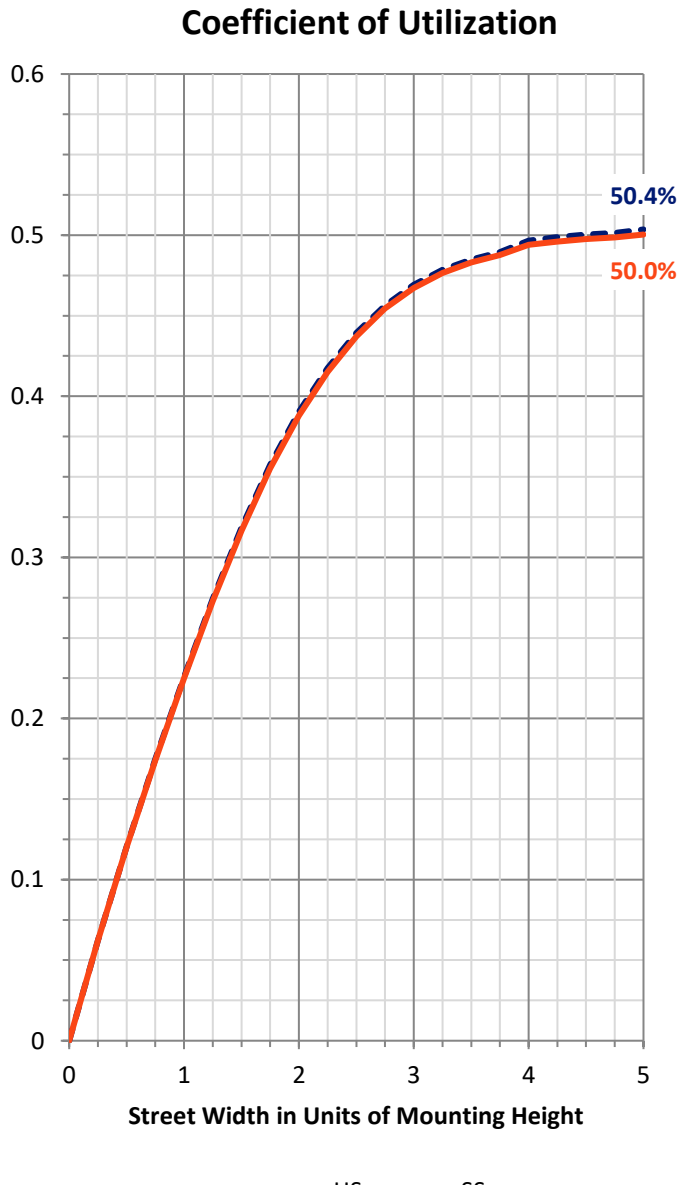
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4951.5	0.0	4951.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4951.5	0.0	4951.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9903.0	0.0	9903.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	0.8
10°-20°	246.7	2.5
20°-30°	410.6	4.1
30°-40°	621.0	6.3
40°-50°	1031.9	10.4
50°-60°	1947.2	19.7
60°-70°	3287.9	33.2
70°-80°	2160.5	21.8
80°-90°	113.2	1.1
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°	9903.0	100.0
0°-180°	9903.0	100.0



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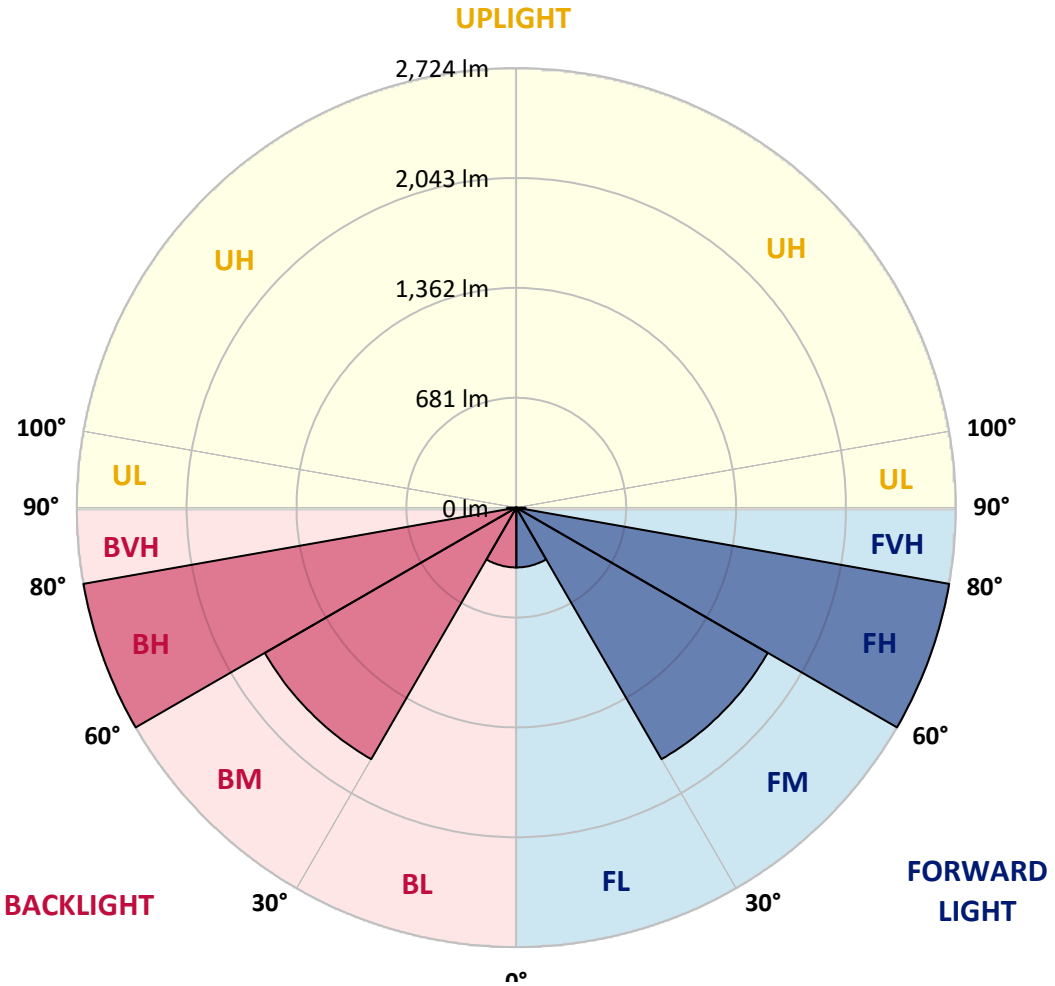
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	370.7	3.7			
FM	(30°-60°)	1800.0	18.2			
FH	(60°-80°)	2724.2	27.5			G2/5000
FVH	(80°-90°)	56.6	0.6			G1/100
BL	(0°-30°)	370.7	3.7	B1/500		
BM	(30°-60°)	1800.0	18.2	B2/2500		
BH	(60°-80°)	2724.2	27.5	B4/5000		G2/5000
BVH	(80°-90°)	56.6	0.6			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°	903.4	903.4	903.4	903.4	903.4	*903.4*	903.4	903.4	903.4	903.4	903.4
2.5°	897.7	900.3	899.2	897.2	897.2	*895.6*	897.2	898.2	899.7	900.8	900.3
5°	885.9	887.9	887.4	885.9	886.4	*884.8*	885.9	887.4	888.4	888.9	888.9
7.5°	875.6	877.6	876.6	874.0	874.0	*872.5*	873.0	874.5	876.1	876.6	876.6
10°	873.0	875.0	872.0	867.8	866.3	*864.2*	864.7	866.3	869.4	870.9	870.9
12.5°	874.0	875.6	872.5	866.3	864.7	*862.7*	862.7	864.2	868.4	870.4	870.9
15°	877.1	878.6	874.0	867.3	865.8	*864.2*	863.7	865.8	870.4	874.0	874.5
17.5°	882.8	884.3	877.1	867.8	865.8	*866.3*	865.8	867.3	874.5	881.2	881.2
20°	887.9	888.9	879.2	867.8	865.8	*866.3*	865.8	868.9	878.1	887.4	887.9
22.5°	889.5	890.5	881.2	871.4	869.9	*870.4*	869.9	873.0	881.7	891.0	891.0
25°	890.0	891.5	884.3	876.6	879.2	*880.2*	879.2	879.7	886.4	894.6	894.1
27.5°	897.7	899.7	893.1	886.4	887.9	*887.4*	888.9	890.5	895.6	903.9	901.8
30°	913.6	915.2	909.5	902.8	901.8	*898.2*	902.8	908.0	913.6	920.9	919.3
32.5°	939.9	943.0	935.8	928.6	923.9	*921.9*	925.5	934.2	942.0	949.7	946.6
35°	983.7	985.7	979.0	965.6	957.4	*957.4*	960.5	971.8	984.2	993.9	990.3
37.5°	1045.4	1048.0	1036.2	1020.2	1007.8	*1007.8*	1012.0	1023.8	1042.3	1056.2	1051.1
40°	1120.6	1124.2	1109.2	1092.8	1080.9	*1078.9*	1084.0	1097.4	1114.9	1132.4	1126.7
42.5°	1211.2	1215.3	1195.7	1181.3	1172.0	*1172.0*	1174.6	1187.0	1202.9	1224.5	1223.0
45°	1327.0	1334.2	1307.4	1293.0	1284.3	*1286.3*	1287.9	1298.7	1313.1	1337.8	1336.8
47.5°	1464.9	1472.1	1443.8	1428.9	1427.3	*1437.1*	1431.0	1438.7	1446.4	1474.7	1466.5
50°	1621.4	1633.8	1614.2	1613.2	1616.3	*1634.3*	1619.9	1624.0	1615.2	1633.2	1622.4
52.5°	1812.9	1830.9	1827.3	1833.5	1868.0	*1905.0*	1872.1	1857.7	1824.7	1830.4	1811.3
55°	2045.0	2072.3	2077.5	2114.5	2192.8	*2268.4*	2198.4	2140.3	2070.2	2057.4	2037.3
57.5°	2309.1	2330.7	2355.4	2431.1	2577.3	*2711.6*	2577.3	2448.6	2338.4	2312.2	2293.6
60°	2593.2	2620.0	2643.7	2755.4	2972.6	*3161.5*	2968.5	2764.1	2618.4	2582.9	2552.0
62.5°	2898.5	2932.9	2949.4	3073.5	3326.7	*3552.2*	3330.3	3082.7	2921.1	2883.0	2852.1
65°	3191.3	3219.6	3238.2	3370.5	3612.4	*3838.3*	3628.9	3384.9	3218.6	3168.7	3144.0
67.5°	3327.7	3343.2	3388.5	3538.3	3793.6	*4051.4*	3836.8	3554.2	3368.4	3280.9	3281.9
70°	*3128.0*	*3096.6*	*3205.7*	*3445.6*	*3815.2*	*4182.2*	*3864.6*	*3438.4*	*3210.9*	*3068.8*	*3102.8*
72.5°	2417.2	2363.1	2552.6	2962.8	3568.1	*4098.8*	3592.8	2986.0	2670.4	2382.2	2453.7
75°	1315.1	1253.9	1515.4	2034.2	2845.4	*3552.7*	2910.8	2092.4	1687.3	1305.4	1390.3
77.5°	371.1	348.0	559.0	984.2	1711.5	*2494.4*	1777.4	1005.8	663.0	393.3	437.0
80°	113.8	110.2	149.3	296.5	726.8	*1194.7*	698.5	300.1	189.9	119.9	126.6
82.5°	67.4	61.8	74.1	108.1	185.3	*375.2*	180.2	112.7	90.6	60.7	65.9
85°	38.6	36.0	43.8	52.5	62.3	*79.8*	52.0	53.5	48.4	32.4	34.0
87.5°	16.0	14.4	17.0	16.5	14.4	*18.5*	13.9	16.5	19.6	12.9	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


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SS

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(END OF REPORT)