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: P1202622

Luminaire Tested: GWC-SB2A-735-U-5WQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202622
	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-SB2A-735-U-5WQ
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9072 lumens
Efficiency:	N/A
Efficacy:	158.3 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

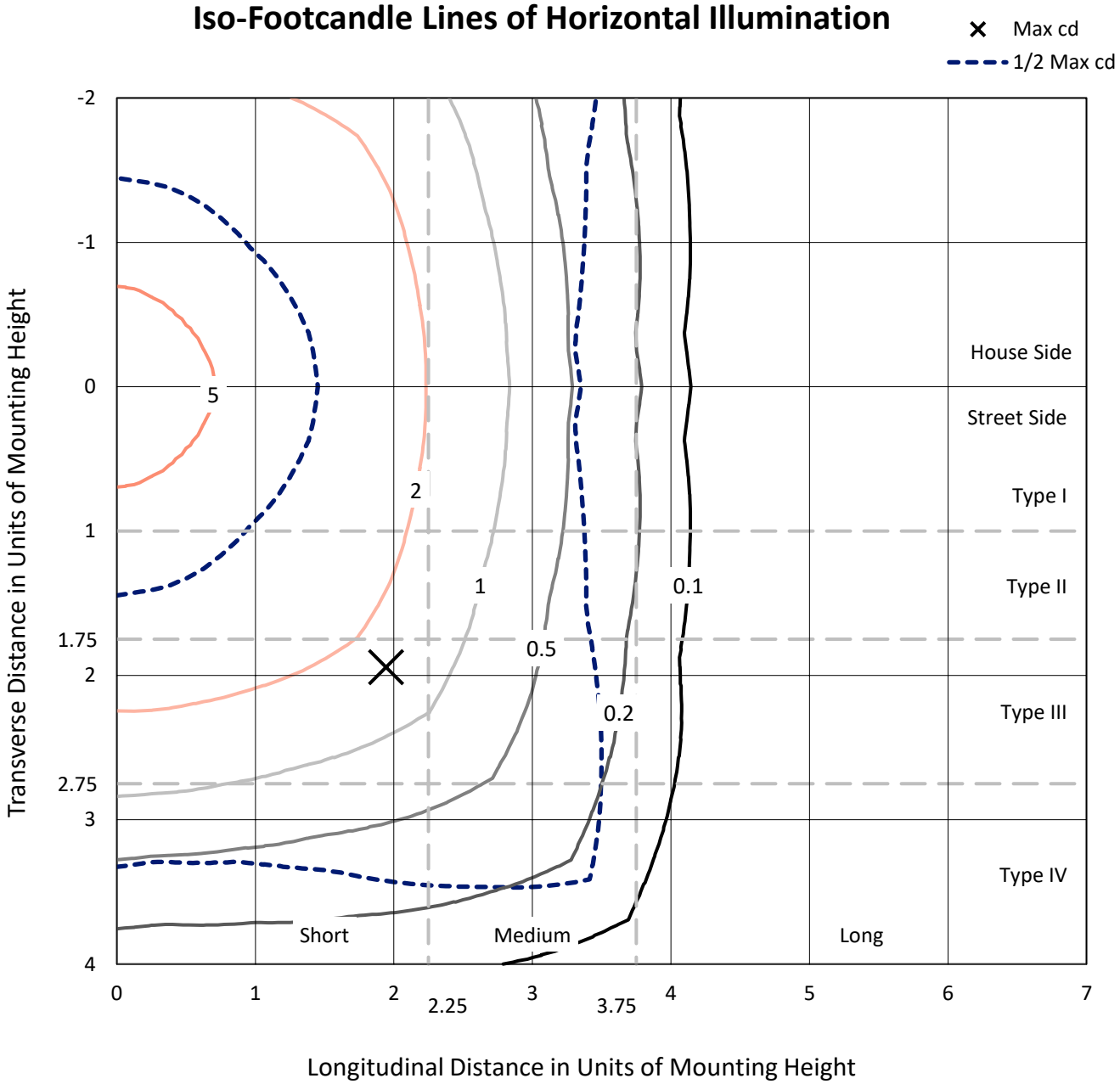


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Iso-Footcandle Lines of Horizontal Illumination



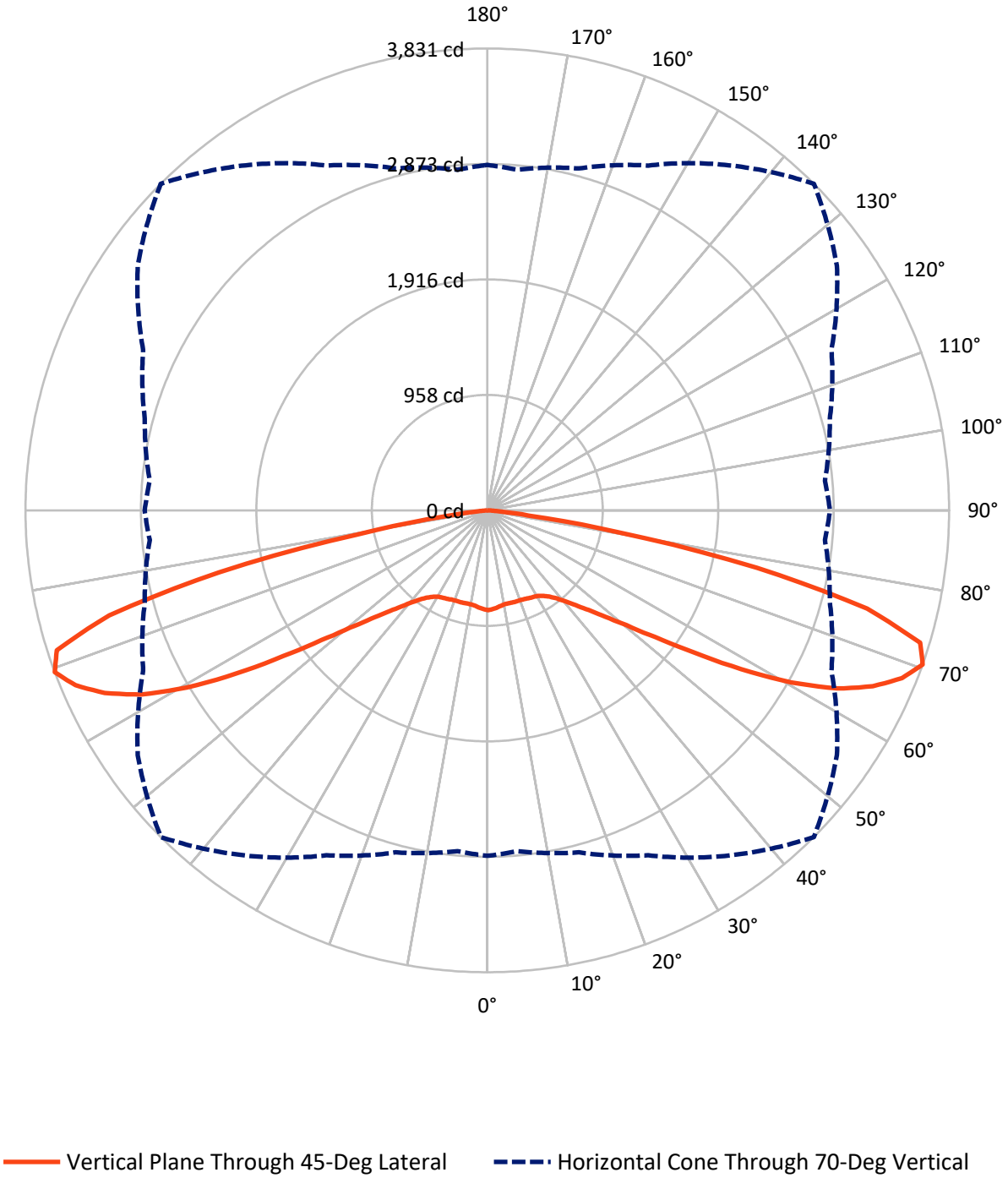
Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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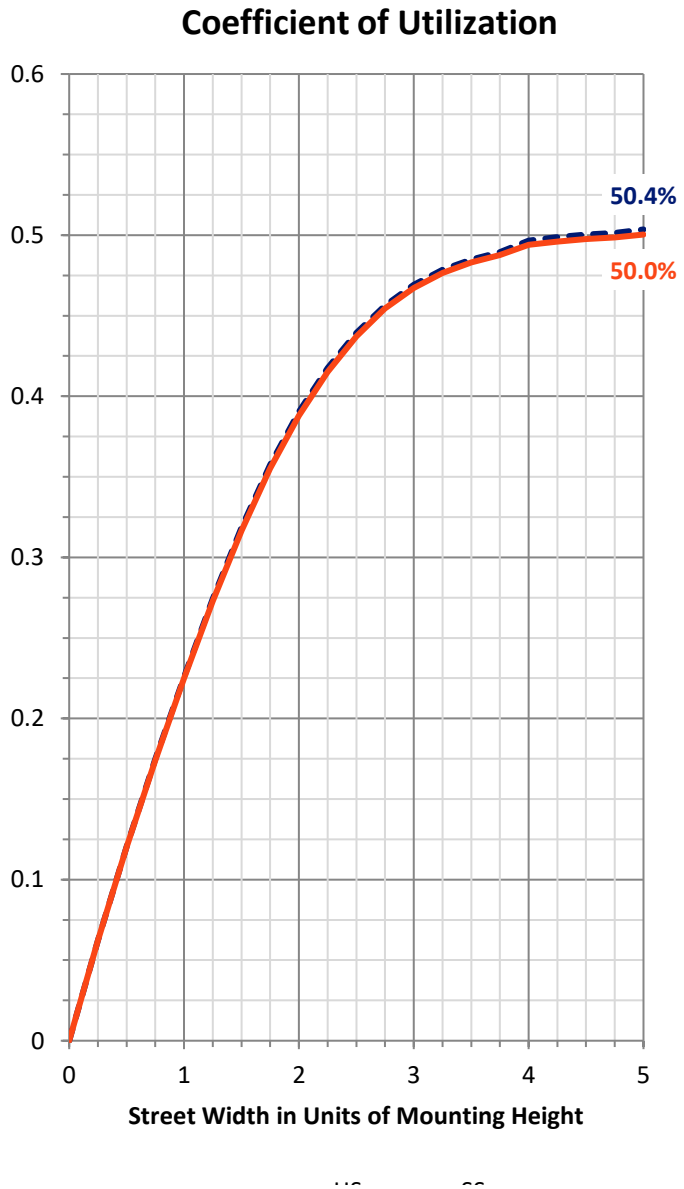
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4536.0	0.0	4536.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4536.0	0.0	4536.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9072.0	0.0	9072.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	0.8
10°-20°	226.0	2.5
20°-30°	376.2	4.1
30°-40°	568.9	6.3
40°-50°	945.3	10.4
50°-60°	1783.8	19.7
60°-70°	3012.0	33.2
70°-80°	1979.2	21.8
80°-90°	103.7	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°	9072.0	100.0
0°-180°	9072.0	100.0



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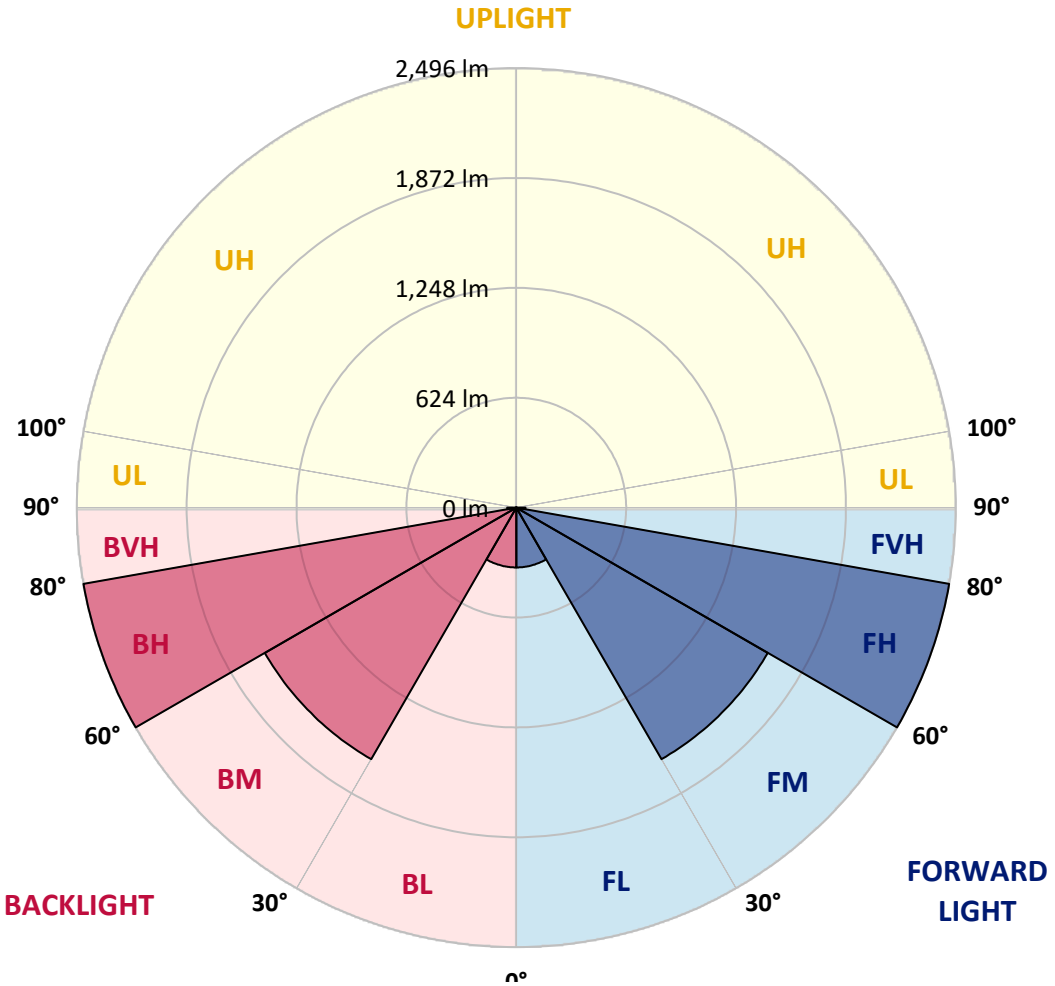
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	339.6	3.7			
FM	(30°-60°)	1649.0	18.2			
FH	(60°-80°)	2495.6	27.5			G2/5000
FVH	(80°-90°)	51.8	0.6			G1/100
BL	(0°-30°)	339.6	3.7	B1/500		
BM	(30°-60°)	1649.0	18.2	B2/2500		
BH	(60°-80°)	2495.6	27.5	B3/2500		G2/5000
BVH	(80°-90°)	51.8	0.6			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°	827.5	827.5	827.5	827.5	827.5	*827.5*	827.5	827.5	827.5	827.5	827.5
2.5°	822.4	824.7	823.8	821.9	821.9	*820.5*	821.9	822.8	824.2	825.2	824.7
5°	811.5	813.4	812.9	811.5	812.0	*810.6*	811.5	812.9	813.9	814.3	814.3
7.5°	802.1	804.0	803.0	800.7	800.7	*799.3*	799.7	801.1	802.6	803.0	803.0
10°	799.7	801.6	798.8	795.0	793.6	*791.7*	792.2	793.6	796.4	797.8	797.8
12.5°	800.7	802.1	799.3	793.6	792.2	*790.3*	790.3	791.7	795.5	797.4	797.8
15°	803.5	804.9	800.7	794.5	793.1	*791.7*	791.2	793.1	797.4	800.7	801.1
17.5°	808.7	810.1	803.5	795.0	793.1	*793.6*	793.1	794.5	801.1	807.3	807.3
20°	813.4	814.3	805.4	795.0	793.1	*793.6*	793.1	796.0	804.4	812.9	813.4
22.5°	814.8	815.8	807.3	798.3	796.9	*797.4*	796.9	799.7	807.7	816.2	816.2
25°	815.3	816.7	810.1	803.0	805.4	*806.3*	805.4	805.9	812.0	819.5	819.1
27.5°	822.4	824.2	818.1	812.0	813.4	*812.9*	814.3	815.8	820.5	828.0	826.1
30°	837.0	838.4	833.2	827.1	826.1	*822.8*	827.1	831.8	837.0	843.6	842.2
32.5°	861.0	863.9	857.3	850.7	846.4	*844.5*	847.8	855.8	862.9	870.0	867.2
35°	901.1	903.0	896.9	884.6	877.1	*877.1*	879.9	890.3	901.6	910.5	907.2
37.5°	957.7	960.1	949.2	934.6	923.3	*923.3*	927.0	937.9	954.9	967.6	962.9
40°	1026.5	1029.8	1016.2	1001.1	990.2	*988.3*	993.1	1005.3	1021.4	1037.4	1032.2
42.5°	1109.5	1113.3	1095.4	1082.2	1073.7	*1073.7*	1076.0	1087.4	1102.0	1121.8	1120.4
45°	1215.6	1222.2	1197.7	1184.5	1176.5	*1178.4*	1179.8	1189.7	1202.9	1225.5	1224.6
47.5°	1342.0	1348.6	1322.7	1309.0	1307.6	*1316.5*	1310.9	1317.9	1325.0	1351.0	1343.4
50°	1485.3	1496.7	1478.7	1477.8	1480.6	*1497.1*	1483.9	1487.7	1479.7	1496.2	1486.3
52.5°	1660.8	1677.3	1674.0	1679.6	1711.2	*1745.2*	1715.0	1701.8	1671.6	1676.8	1659.3
55°	1873.4	1898.4	1903.1	1937.1	2008.8	*2078.1*	2013.9	1960.7	1896.5	1884.7	1866.3
57.5°	2115.3	2135.1	2157.8	2227.1	2361.0	*2484.1*	2361.0	2243.1	2142.2	2118.1	2101.2
60°	2375.6	2400.1	2421.8	2524.1	2723.1	*2896.2*	2719.4	2532.2	2398.7	2366.2	2337.9
62.5°	2655.2	2686.8	2701.9	2815.6	3047.5	*3254.1*	3050.9	2824.0	2676.0	2641.1	2612.8
65°	2923.5	2949.5	2966.4	3087.6	3309.3	*3516.3*	3324.3	3100.8	2948.5	2902.8	2880.2
67.5°	3048.5	3062.6	3104.1	3241.4	3475.2	*3711.5*	3514.8	3256.0	3085.7	3005.6	3006.5
70°	*2865.5*	*2836.8*	*2936.7*	*3156.5*	*3495.0*	*3831.2*	*3540.3*	*3149.9*	*2941.5*	*2811.3*	*2842.4*
72.5°	2214.3	2164.8	2338.4	2714.2	3268.7	*3754.9*	3291.3	2735.4	2446.3	2182.3	2247.8
75°	1204.8	1148.7	1388.2	1863.5	2606.7	*3254.6*	2666.5	1916.8	1545.7	1195.8	1273.6
77.5°	340.0	318.8	512.1	901.6	1567.9	*2285.1*	1628.2	921.4	607.3	360.3	400.3
80°	104.2	100.9	136.7	271.6	665.8	*1094.4*	639.9	274.9	174.0	109.9	116.0
82.5°	61.8	56.6	67.9	99.0	169.8	*343.8*	165.0	103.3	83.0	55.6	60.4
85°	35.4	33.0	40.1	48.1	57.1	*73.1*	47.6	49.0	44.3	29.7	31.1
87.5°	14.6	13.2	15.6	15.1	13.2	*17.0*	12.7	15.1	17.9	11.8	10.8
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)