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: P1203744

Luminaire Tested: GWC-SB2D-735-U-5WQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203744
	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-SB2D-735-U-5WQ
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20580 lumens
Efficiency:	N/A
Efficacy:	139.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B5 - U0 - G3

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

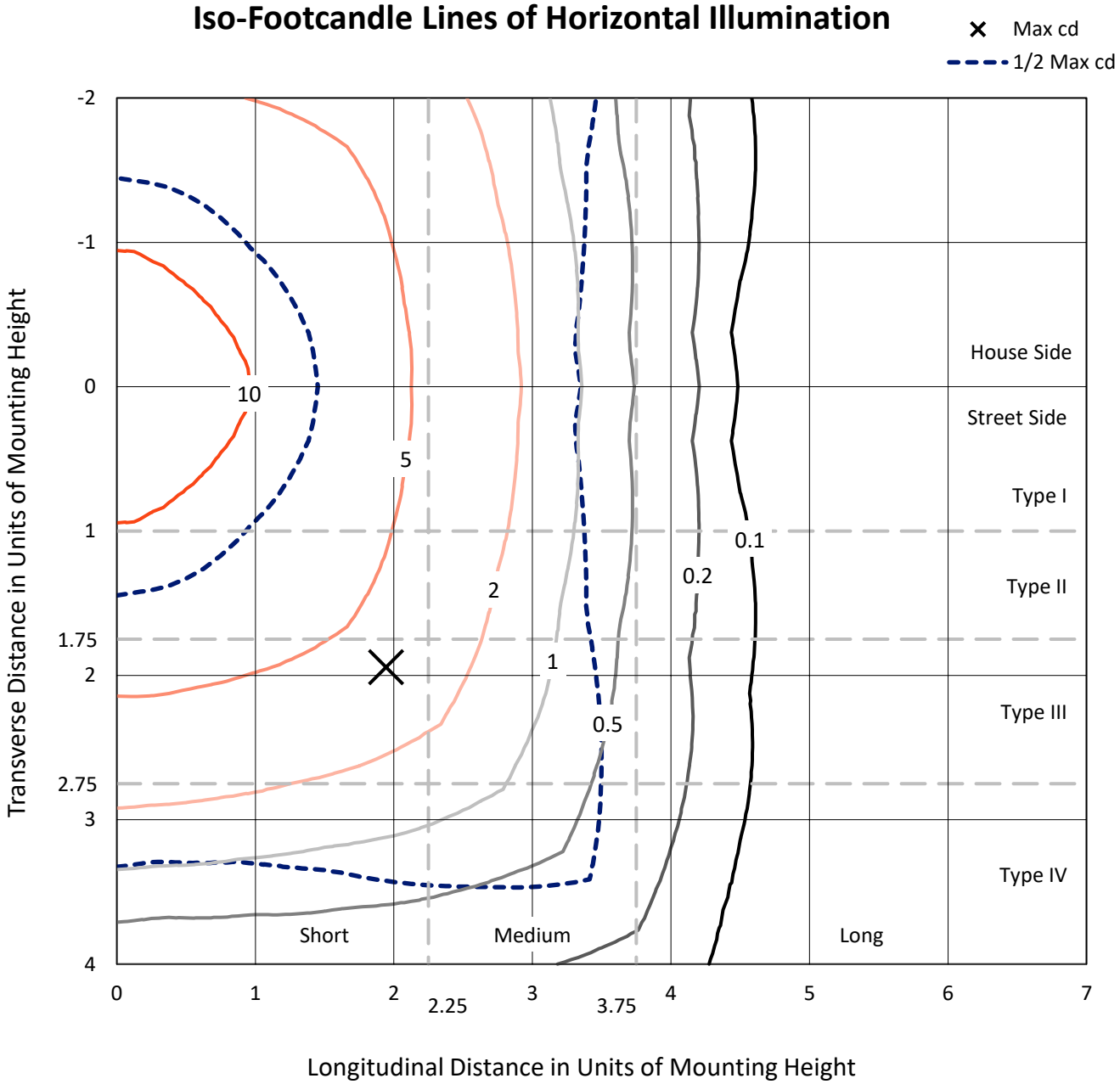


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Iso-Footcandle Lines of Horizontal Illumination



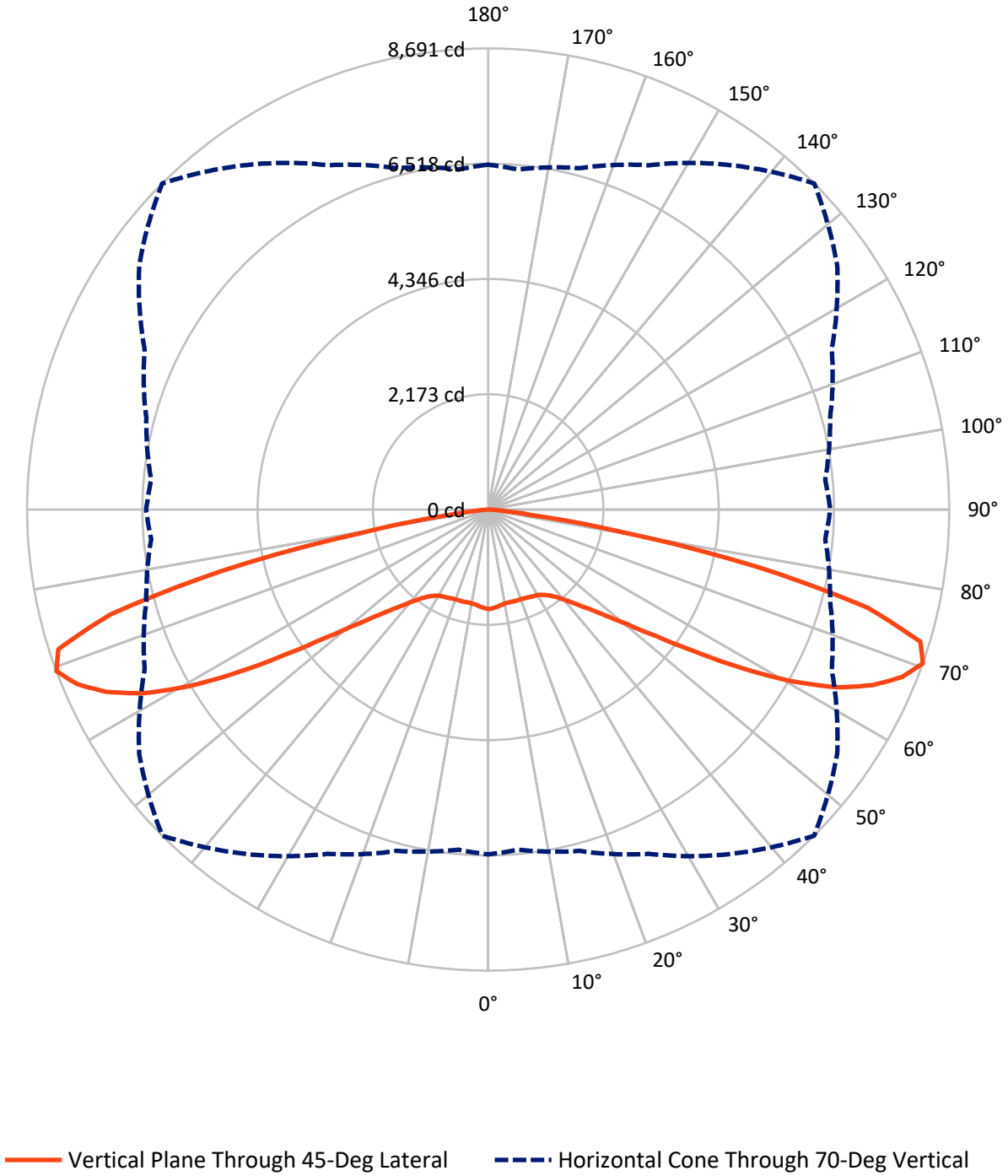
Based on 10 foot mounting height. Maximum calculated value = 18.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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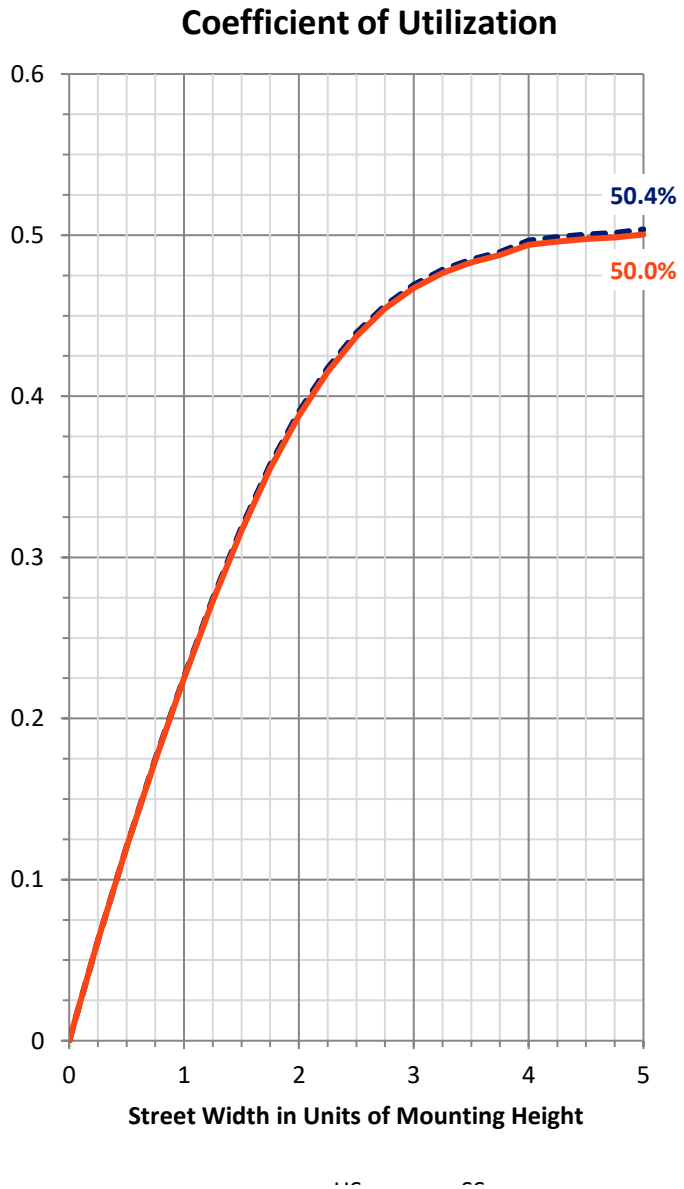
REPORT NUMBER: P1203744
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10290.0	0.0	10290.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10290.0	0.0	10290.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20580.0	0.0	20580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	0.8
10°-20°	512.8	2.5
20°-30°	853.3	4.1
30°-40°	1290.5	6.3
40°-50°	2144.5	10.4
50°-60°	4046.5	19.7
60°-70°	6832.7	33.2
70°-80°	4489.8	21.8
80°-90°	235.2	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°	20580.0	100.0
0°-180°	20580.0	100.0



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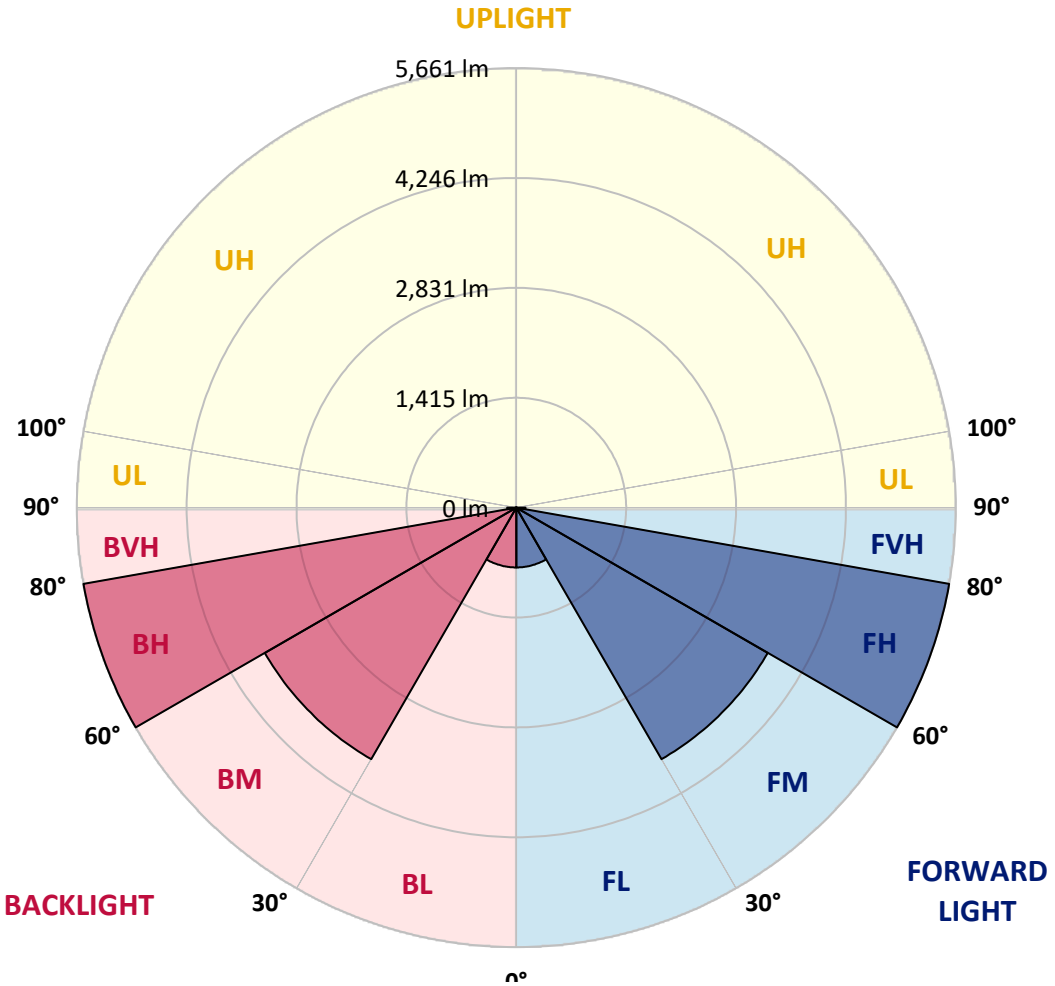
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	770.4	3.7			
FM	(30°-60°)	3740.7	18.2			
FH	(60°-80°)	5661.3	27.5			G3/7500
FVH	(80°-90°)	117.6	0.6			G2/225
BL	(0°-30°)	770.4	3.7	B2/1000		
BM	(30°-60°)	3740.7	18.2	B3/5000		
BH	(60°-80°)	5661.3	27.5	B5		G3/7500
BVH	(80°-90°)	117.6	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1877.3	1877.3	1877.3	1877.3	1877.3	*1877.3*	1877.3	1877.3	1877.3	1877.3	1877.3
2.5°	1865.5	1870.9	1868.8	1864.5	1864.5	*1861.3*	1864.5	1866.6	1869.8	1872.0	1870.9
5°	1840.9	1845.2	1844.1	1840.9	1842.0	*1838.8*	1840.9	1844.1	1846.3	1847.4	1847.4
7.5°	1819.5	1823.8	1821.7	1816.3	1816.3	*1813.1*	1814.2	1817.4	1820.6	1821.7	1821.7
10°	1814.2	1818.5	1812.1	1803.5	1800.3	*1796.0*	1797.1	1800.3	1806.7	1809.9	1809.9
12.5°	1816.3	1819.5	1813.1	1800.3	1797.1	*1792.8*	1792.8	1796.0	1804.6	1808.9	1809.9
15°	1822.8	1826.0	1816.3	1802.4	1799.2	*1796.0*	1794.9	1799.2	1808.9	1816.3	1817.4
17.5°	1834.5	1837.7	1822.8	1803.5	1799.2	*1800.3*	1799.2	1802.4	1817.4	1831.3	1831.3
20°	1845.2	1847.4	1827.0	1803.5	1799.2	*1800.3*	1799.2	1805.6	1824.9	1844.1	1845.2
22.5°	1848.4	1850.6	1831.3	1811.0	1807.8	*1808.9*	1807.8	1814.2	1832.4	1851.6	1851.6
25°	1849.5	1852.7	1837.7	1821.7	1827.0	*1829.2*	1827.0	1828.1	1842.0	1859.1	1858.1
27.5°	1865.5	1869.8	1855.9	1842.0	1845.2	*1844.1*	1847.4	1850.6	1861.3	1878.4	1874.1
30°	1898.7	1901.9	1890.1	1876.2	1874.1	*1866.6*	1876.2	1886.9	1898.7	1913.7	1910.5
32.5°	1953.3	1959.7	1944.7	1929.7	1920.1	*1915.8*	1923.3	1941.5	1957.5	1973.6	1967.2
35°	2044.2	2048.5	2034.6	2006.7	1989.6	*1989.6*	1996.0	2019.6	2045.3	2065.6	2058.1
37.5°	2172.5	2177.9	2153.3	2120.1	2094.5	*2094.5*	2103.0	2127.6	2166.1	2195.0	2184.3
40°	2328.7	2336.2	2305.2	2271.0	2246.4	*2242.1*	2252.8	2280.6	2317.0	2353.3	2341.6
42.5°	2517.0	2525.5	2484.9	2454.9	2435.7	*2435.7*	2441.0	2466.7	2499.9	2544.8	2541.6
45°	2757.7	2772.6	2717.0	2687.1	2668.9	*2673.2*	2676.4	2698.8	2728.8	2780.1	2778.0
47.5°	3044.3	3059.3	3000.5	2969.5	2966.3	*2986.6*	2973.7	2989.8	3005.8	3064.7	3047.6
50°	3369.5	3395.2	3354.6	3352.4	3358.8	*3396.3*	3366.3	3374.9	3356.7	3394.1	3371.7
52.5°	3767.5	3804.9	3797.4	3810.2	3881.9	*3958.9*	3890.5	3860.5	3792.1	3803.8	3764.2
55°	4249.9	4306.6	4317.3	4394.3	4556.9	*4714.1*	4568.7	4447.8	4302.3	4275.6	4233.8
57.5°	4798.6	4843.6	4894.9	5052.2	5356.0	*5635.1*	5356.0	5088.5	4859.6	4805.1	4766.5
60°	5389.1	5444.7	5493.9	5726.1	6177.5	*6570.1*	6168.9	5744.2	5441.5	5367.7	5303.5
62.5°	6023.4	6095.1	6129.3	6387.1	6913.4	*7381.9*	6920.9	6406.4	6070.5	5991.3	5927.2
65°	6632.1	6690.9	6729.4	7004.3	7507.1	*7976.7*	7541.3	7034.3	6688.8	6585.0	6533.7
67.5°	6915.6	6947.7	7041.8	7353.1	7883.6	*8419.5*	7973.5	7386.2	7000.1	6818.2	6820.4
70°	*6500.5*	*6435.3*	*6662.0*	*7160.5*	*7928.6*	*8691.3*	*8031.3*	*7145.5*	*6672.7*	*6377.5*	*6448.1*
72.5°	5023.3	4911.0	5304.6	6157.2	7415.1	*8518.0*	7466.5	6205.3	5549.6	4950.5	5099.2
75°	2733.1	2605.8	3149.2	4227.4	5913.3	*7383.0*	6049.1	4348.3	3506.5	2712.7	2889.2
77.5°	771.2	723.1	1161.7	2045.3	3556.7	*5183.7*	3693.6	2090.2	1377.8	817.2	908.2
80°	236.4	228.9	310.2	616.1	1510.4	*2482.8*	1451.6	623.6	394.7	249.2	263.1
82.5°	140.1	128.4	154.0	224.6	385.1	*779.8*	374.4	234.3	188.3	126.2	136.9
85°	80.2	74.9	90.9	109.1	129.4	*165.8*	108.0	111.2	100.6	67.4	70.6
87.5°	33.2	30.0	35.3	34.2	30.0	*38.5*	28.9	34.2	40.6	26.7	24.6
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)