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: P1203083

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

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203083
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-5NQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10259 lumens
Efficiency:	N/A
Efficacy:	138.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G1

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

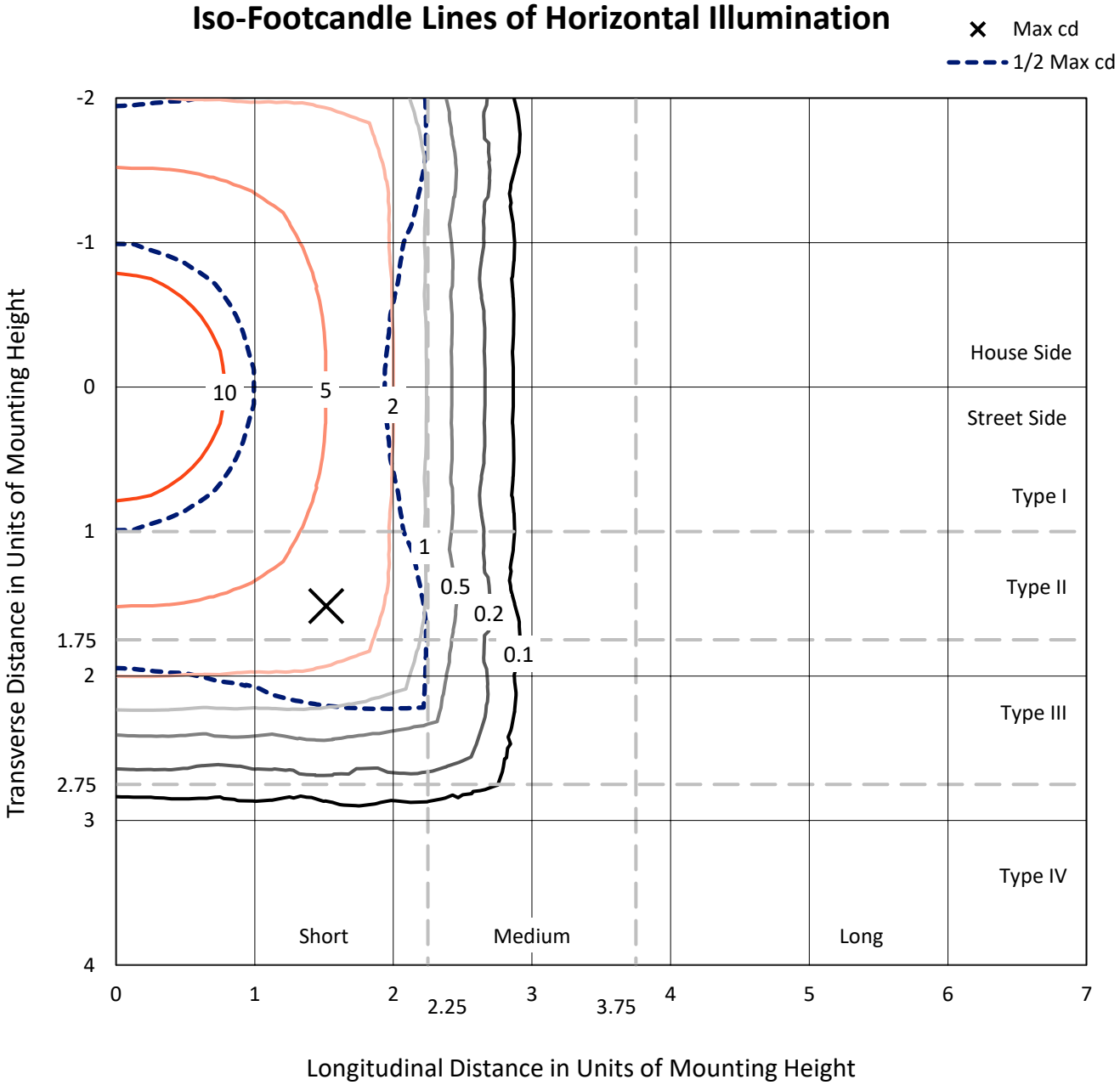


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Iso-Footcandle Lines of Horizontal Illumination



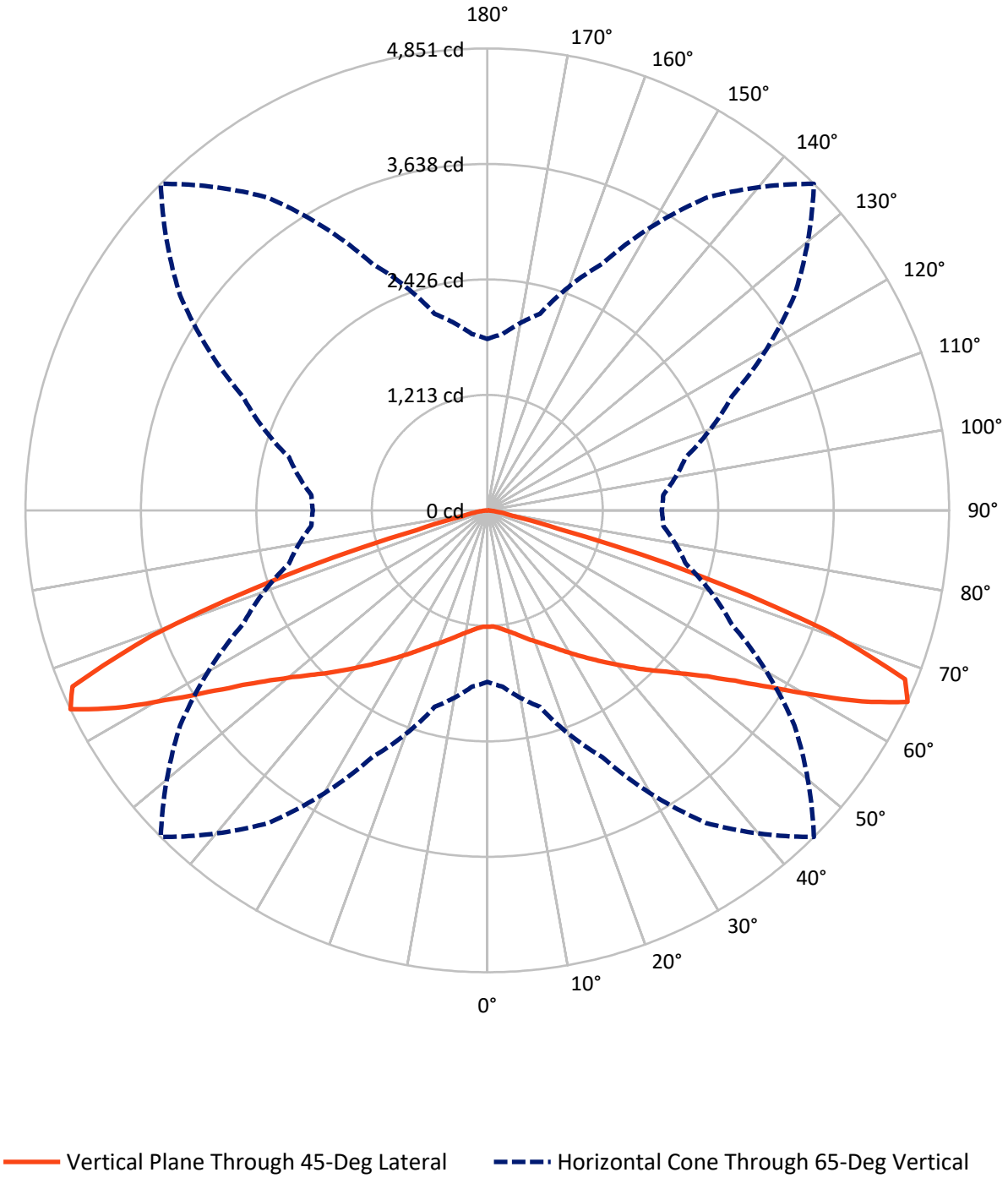
Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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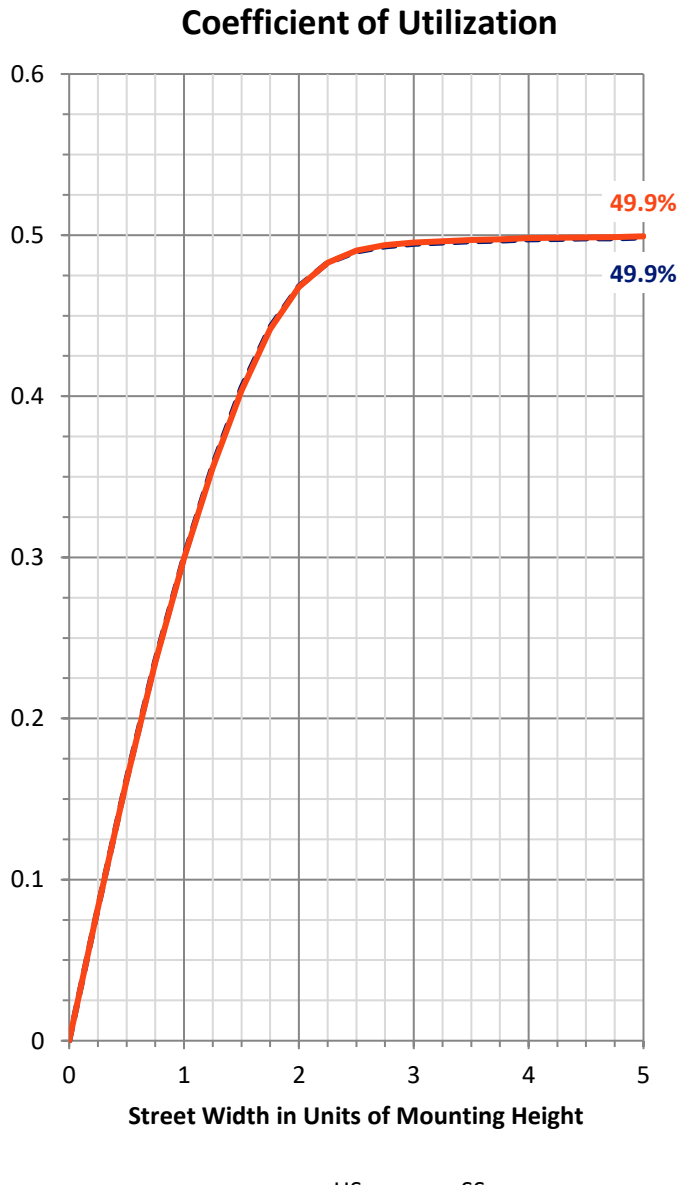
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5129.5	0.0	5129.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5129.5	0.0	5129.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10259.0	0.0	10259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	1.2
10°-20°	393.2	3.8
20°-30°	742.4	7.2
30°-40°	1215.6	11.8
40°-50°	1884.8	18.4
50°-60°	2784.2	27.1
60°-70°	2650.3	25.8
70°-80°	427.7	4.2
80°-90°	40.3	0.4
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°	10259.0	100.0
0°-180°	10259.0	100.0



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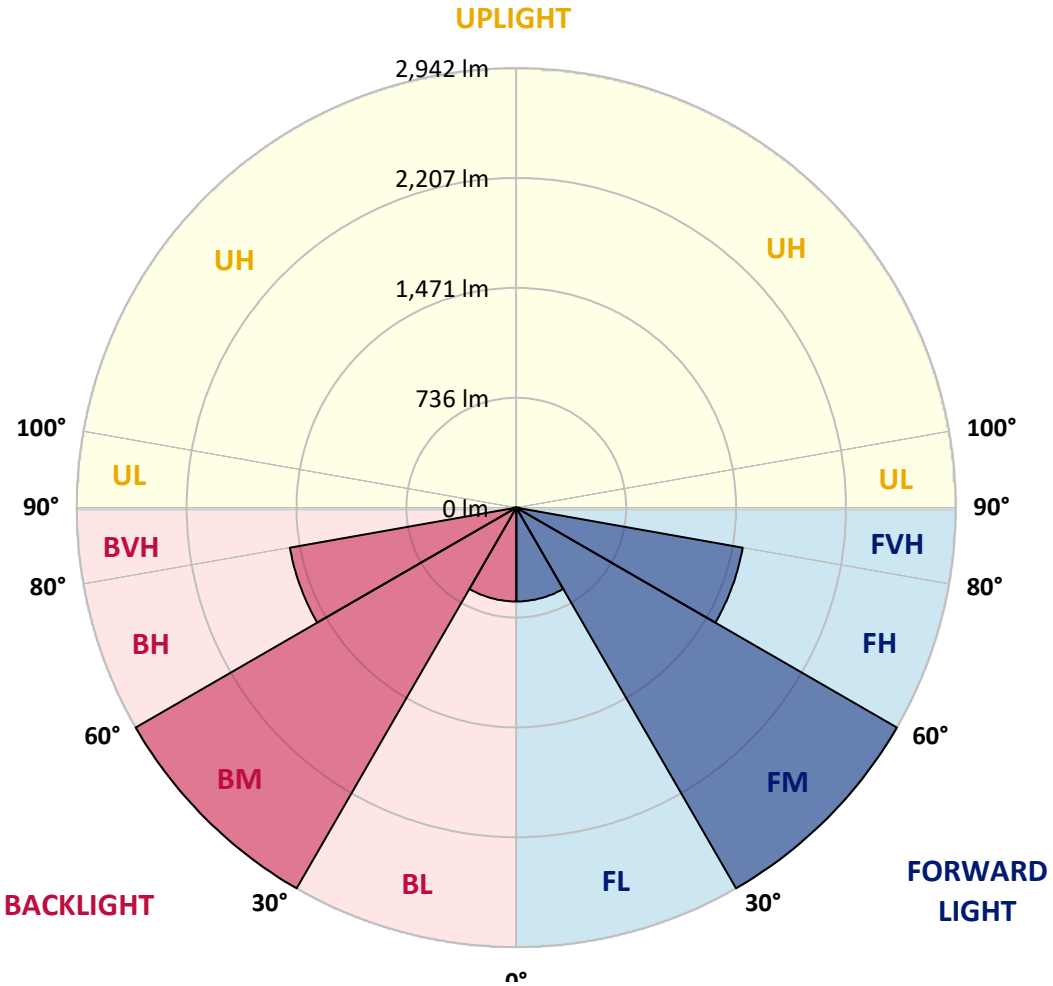
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	628.0	6.1			
FM	(30°-60°)	2942.3	28.7			
FH	(60°-80°)	1539.0	15.0			G1/1800
FVH	(80°-90°)	20.2	0.2			G1/100
BL	(0°-30°)	628.0	6.1	B2/1000		
BM	(30°-60°)	2942.3	28.7	B3/5000		
BH	(60°-80°)	1539.0	15.0	B3/2500		G1/1800
BVH	(80°-90°)	20.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1220.9	1220.9	1220.9	1220.9	1220.9	*1220.9*	1220.9	1220.9	1220.9	1220.9	1220.9
2.5°	1229.2	1225.0	1228.1	1225.6	1223.5	*1221.4*	1222.5	1226.1	1227.6	1228.1	1228.1
5°	1245.6	1242.0	1243.6	1243.6	1240.0	*1238.9*	1239.5	1242.0	1245.1	1245.1	1245.1
7.5°	1272.4	1268.8	1272.4	1270.3	1267.2	*1266.2*	1265.7	1267.8	1272.4	1272.4	1270.9
10°	1304.8	1300.7	1302.8	1301.7	1298.1	*1296.6*	1296.1	1299.2	1303.3	1302.8	1301.7
12.5°	1340.3	1335.7	1338.3	1335.2	1334.2	*1332.6*	1332.6	1332.1	1334.7	1332.6	1333.6
15°	1380.0	1376.9	1377.9	1375.9	1377.4	*1376.4*	1372.3	1370.2	1371.2	1368.1	1368.6
17.5°	1426.8	1419.6	1423.2	1422.2	1422.2	*1424.2*	1417.5	1415.0	1417.0	1413.9	1416.5
20°	1480.9	1473.7	1475.2	1473.1	1470.6	*1472.6*	1464.4	1466.4	1468.0	1465.9	1470.6
22.5°	1540.1	1530.8	1530.3	1531.3	1525.6	*1526.2*	1520.5	1525.6	1528.7	1523.1	1528.7
25°	1600.8	1591.0	1597.7	1595.1	1587.9	*1589.5*	1585.3	1590.5	1593.1	1585.9	1594.1
27.5°	1665.1	1658.4	1664.6	1666.2	1657.4	*1663.6*	1657.4	1662.0	1664.6	1653.8	1662.0
30°	1740.3	1733.6	1739.2	1743.4	1733.1	*1742.9*	1737.7	1740.8	1741.3	1728.4	1736.2
32.5°	1822.1	1811.8	1826.2	1828.3	1817.0	*1828.8*	1822.1	1826.2	1828.8	1811.3	1823.1
35°	1922.0	1909.1	1925.6	1923.0	1913.2	*1923.0*	1916.8	1923.0	1929.2	1908.1	1920.9
37.5°	2029.6	2016.2	2033.7	2029.0	2019.8	*2026.5*	2022.9	2027.0	2036.8	2014.1	2028.0
40°	2147.9	2131.5	2155.1	2146.9	2138.2	*2137.1*	2139.2	2141.8	2154.6	2129.4	2137.6
42.5°	2274.6	2257.1	2292.6	2279.7	2267.4	*2259.1*	2265.8	2271.0	2283.3	2255.0	2269.9
45°	2419.2	2399.1	2445.5	2430.0	2410.4	*2393.5*	2404.3	2412.0	2430.0	2396.0	2413.5
47.5°	2578.8	2556.1	2605.5	2600.9	2569.0	*2531.9*	2556.6	2578.8	2592.1	2551.0	2564.9
50°	2734.7	2717.2	2782.1	2787.7	2748.6	*2696.6*	2731.1	2764.6	2768.2	2714.1	2720.8
52.5°	2880.9	2863.4	2957.6	2993.1	2958.1	*2896.3*	2932.9	2966.9	2939.6	2869.6	2871.6
55°	2997.7	2983.3	3103.3	3194.9	3206.7	*3155.8*	3177.4	3176.4	3086.8	2979.2	2982.8
57.5°	3026.1	3024.0	3175.3	3369.4	3492.9	*3499.1*	3456.4	3347.2	3154.2	3009.6	3000.3
60°	2897.4	2910.2	3118.2	3460.5	3789.9	*3926.8*	3742.0	3430.6	3077.5	2876.8	2853.1
62.5°	2512.4	2546.3	2797.0	3349.3	4029.8	*4418.9*	3971.1	3304.0	2762.5	2500.5	2485.1
65°	*1800.5*	*1859.7*	*2136.6*	*2858.3*	*4008.2*	*4851.3*	*3938.1*	*2835.1*	*2157.2*	*1855.1*	*1832.9*
67.5°	816.9	877.1	1112.3	1957.0	3484.2	*4733.9*	3475.9	1977.6	1167.9	880.2	867.3
70°	296.0	306.3	381.9	783.4	2226.7	*3771.9*	2321.9	789.1	406.1	326.3	322.2
72.5°	179.1	180.7	196.6	280.5	773.6	*2290.0*	806.6	289.8	200.7	178.1	181.2
75°	113.8	112.7	140.0	171.4	274.3	*772.6*	287.7	171.4	139.5	127.1	128.2
77.5°	81.8	84.4	100.4	128.2	172.9	*262.0*	169.9	122.5	100.4	82.4	83.9
80°	61.3	62.8	73.1	99.9	121.5	*163.2*	108.1	90.6	75.7	51.5	53.0
82.5°	44.3	44.3	47.9	72.6	74.1	*88.0*	58.7	63.8	49.9	36.5	36.5
85°	26.3	25.7	29.9	43.2	38.6	*32.4*	26.8	39.1	31.4	22.6	22.1
87.5°	9.3	9.8	9.3	12.4	10.3	*8.8*	8.2	10.8	8.8	7.7	7.2
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)