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: P1203832

Luminaire Tested: GWC-SB2D-827-U-5WQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203832
	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-827-U-5WQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 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:	17896 lumens
Efficiency:	N/A
Efficacy:	121.2 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):	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

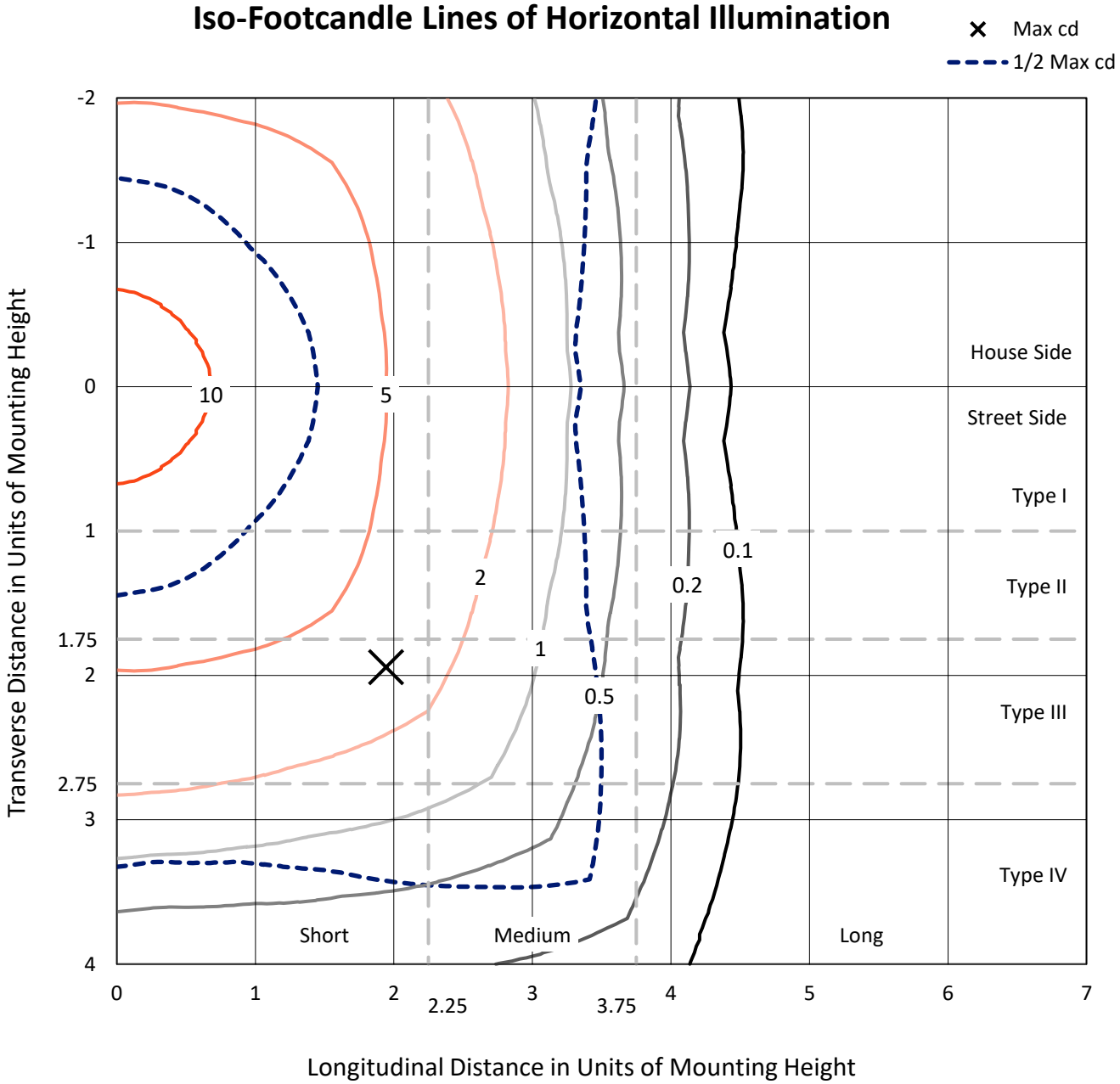


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Iso-Footcandle Lines of Horizontal Illumination



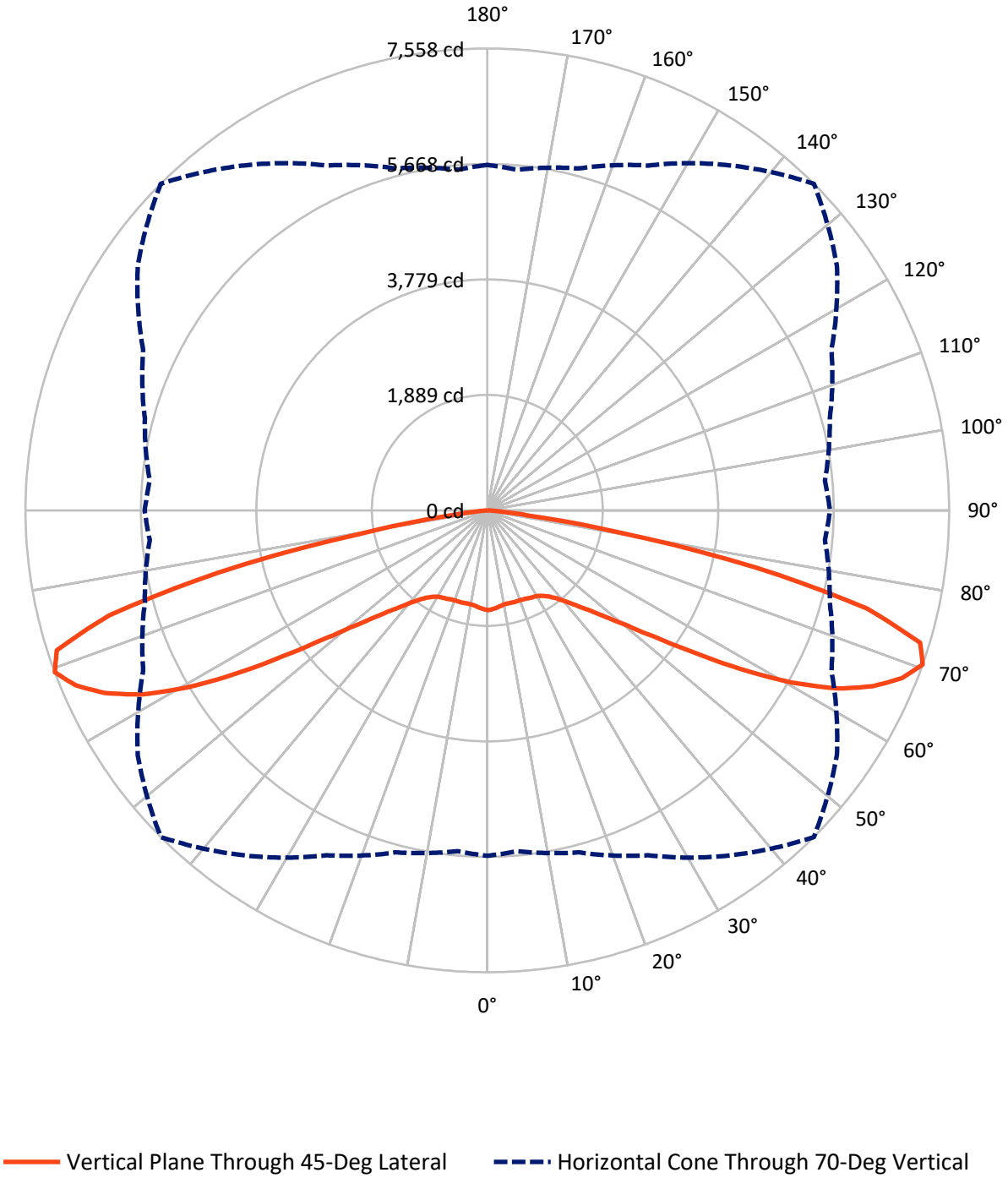
Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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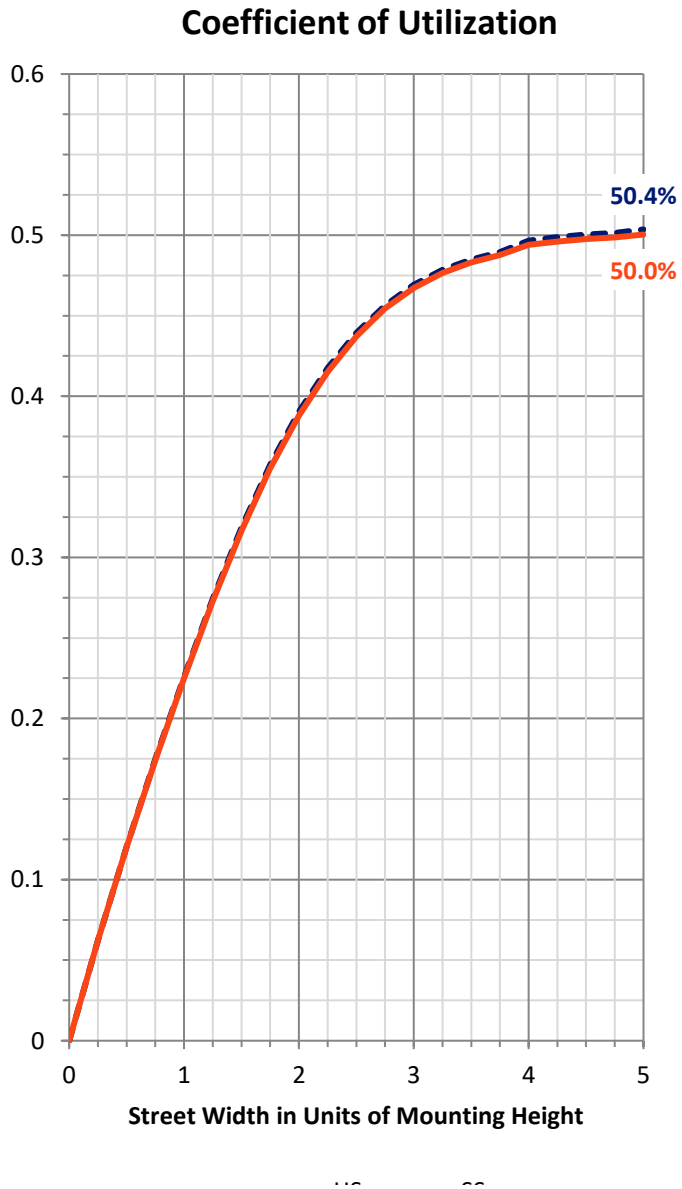
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8948.0	0.0	8948.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8948.0	0.0	8948.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17896.0	0.0	17896.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.9	0.8
10°-20°	445.9	2.5
20°-30°	742.0	4.1
30°-40°	1122.2	6.3
40°-50°	1864.8	10.4
50°-60°	3518.8	19.7
60°-70°	5941.6	33.2
70°-80°	3904.3	21.8
80°-90°	204.5	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°	17896.0	100.0
0°-180°	17896.0	100.0



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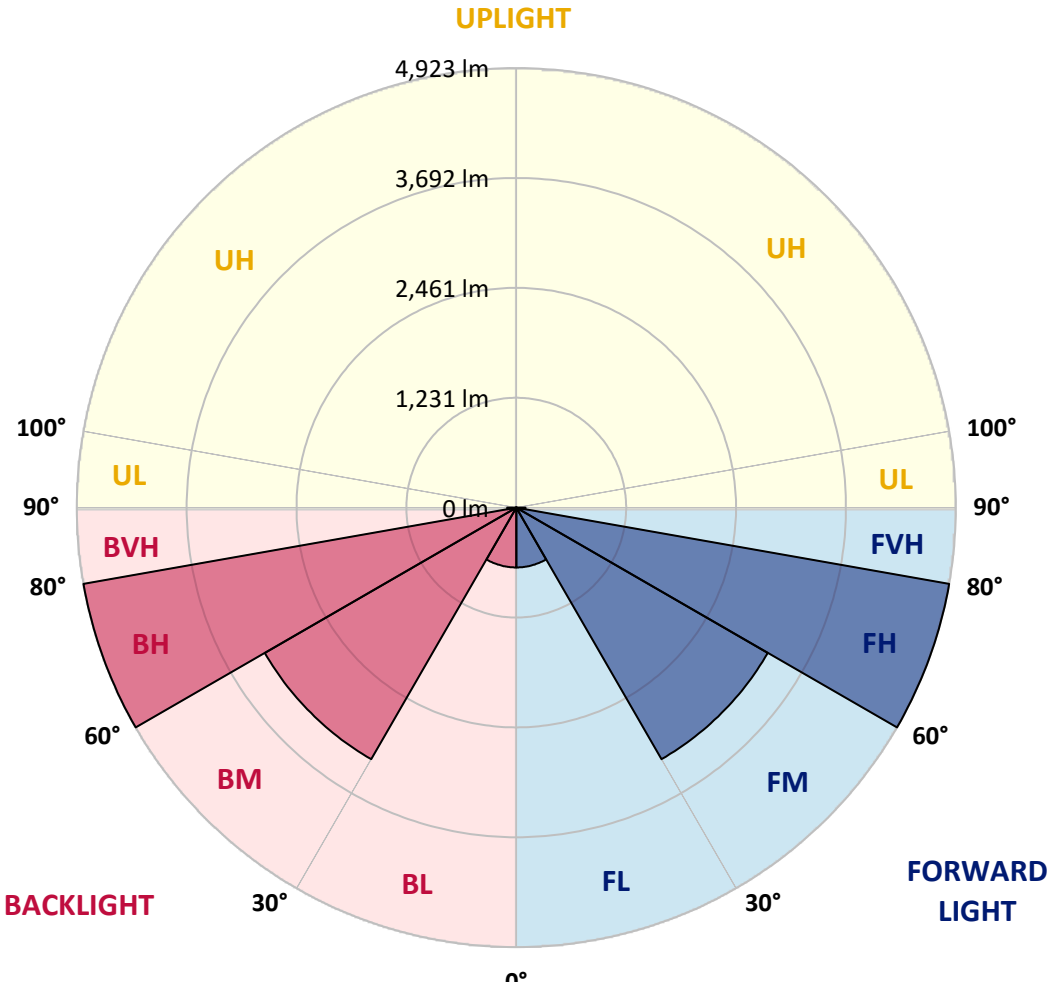
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	669.9	3.7			
FM	(30°-60°)	3252.9	18.2			
FH	(60°-80°)	4923.0	27.5			G2/5000
FVH	(80°-90°)	102.3	0.6			G2/225
BL	(0°-30°)	669.9	3.7	B2/1000		
BM	(30°-60°)	3252.9	18.2	B3/5000		
BH	(60°-80°)	4923.0	27.5	B4/5000		G2/5000
BVH	(80°-90°)	102.3	0.6			G2/225
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°	1632.5	1632.5	1632.5	1632.5	1632.5	*1632.5*	1632.5	1632.5	1632.5	1632.5	1632.5
2.5°	1622.2	1626.9	1625.0	1621.3	1621.3	*1618.5*	1621.3	1623.2	1626.0	1627.8	1626.9
5°	1600.8	1604.6	1603.6	1600.8	1601.8	*1599.0*	1600.8	1603.6	1605.5	1606.4	1606.4
7.5°	1582.2	1586.0	1584.1	1579.5	1579.5	*1576.7*	1577.6	1580.4	1583.2	1584.1	1584.1
10°	1577.6	1581.3	1575.7	1568.3	1565.5	*1561.8*	1562.7	1565.5	1571.1	1573.9	1573.9
12.5°	1579.5	1582.2	1576.7	1565.5	1562.7	*1559.0*	1559.0	1561.8	1569.2	1572.9	1573.9
15°	1585.0	1587.8	1579.5	1567.4	1564.6	*1561.8*	1560.9	1564.6	1572.9	1579.5	1580.4
17.5°	1595.3	1598.1	1585.0	1568.3	1564.6	*1565.5*	1564.6	1567.4	1580.4	1592.5	1592.5
20°	1604.6	1606.4	1588.8	1568.3	1564.6	*1565.5*	1564.6	1570.2	1586.9	1603.6	1604.6
22.5°	1607.4	1609.2	1592.5	1574.8	1572.0	*1572.9*	1572.0	1577.6	1593.4	1610.2	1610.2
25°	1608.3	1611.1	1598.1	1584.1	1588.8	*1590.6*	1588.8	1589.7	1601.8	1616.7	1615.7
27.5°	1622.2	1626.0	1613.9	1601.8	1604.6	*1603.6*	1606.4	1609.2	1618.5	1633.4	1629.7
30°	1651.1	1653.9	1643.6	1631.5	1629.7	*1623.2*	1631.5	1640.8	1651.1	1664.1	1661.3
32.5°	1698.5	1704.1	1691.1	1678.1	1669.7	*1666.0*	1672.5	1688.3	1702.2	1716.2	1710.6
35°	1777.6	1781.3	1769.2	1745.0	1730.1	*1730.1*	1735.7	1756.2	1778.5	1796.2	1789.7
37.5°	1889.2	1893.9	1872.5	1843.6	1821.3	*1821.3*	1828.7	1850.1	1883.6	1908.7	1899.4
40°	2025.0	2031.5	2004.5	1974.8	1953.4	*1949.7*	1959.0	1983.2	2014.8	2046.4	2036.2
42.5°	2188.7	2196.2	2160.8	2134.8	2118.0	*2118.0*	2122.7	2145.0	2173.8	2212.9	2210.1
45°	2398.0	2411.0	2362.7	2336.6	2320.8	*2324.5*	2327.3	2346.9	2372.9	2417.6	2415.7
47.5°	2647.3	2660.3	2609.2	2582.2	2579.4	*2597.1*	2585.9	2599.9	2613.8	2665.0	2650.1
50°	2930.1	2952.4	2917.1	2915.2	2920.8	*2953.3*	2927.3	2934.7	2918.9	2951.5	2931.9
52.5°	3276.1	3308.7	3302.2	3313.3	3375.6	*3442.6*	3383.1	3357.0	3297.5	3307.7	3273.3
55°	3695.6	3744.9	3754.2	3821.2	3962.6	*4099.3*	3972.8	3867.7	3741.2	3718.0	3681.7
57.5°	4172.8	4211.9	4256.5	4393.3	4657.4	*4900.2*	4657.4	4424.9	4225.8	4178.4	4144.9
60°	4686.3	4734.6	4777.4	4979.3	5371.8	*5713.2*	5364.4	4995.1	4731.9	4667.7	4611.9
62.5°	5237.9	5300.2	5330.0	5554.1	6011.8	*6419.2*	6018.3	5570.9	5278.8	5210.0	5154.2
65°	5767.1	5818.3	5851.8	6090.9	6528.0	*6936.4*	6557.8	6116.9	5816.4	5726.2	5681.6
67.5°	6013.6	6041.6	6123.4	6394.1	6855.5	*7321.5*	6933.6	6422.9	6087.1	5929.0	5930.9
70°	*5652.7*	*5596.0*	*5793.2*	*6226.7*	*6894.5*	*7557.8*	*6983.8*	*6213.6*	*5802.5*	*5545.8*	*5607.2*
72.5°	4368.2	4270.5	4612.8	5354.1	6448.0	*7407.1*	6492.7	5396.0	4825.8	4304.9	4434.2
75°	2376.6	2265.9	2738.5	3676.1	5142.1	*6420.1*	5260.2	3781.2	3049.1	2359.0	2512.4
77.5°	670.7	628.8	1010.2	1778.5	3092.9	*4507.7*	3211.9	1817.6	1198.1	710.7	789.7
80°	205.6	199.1	269.8	535.8	1313.4	*2159.0*	1262.3	542.3	343.2	216.7	228.8
82.5°	121.9	111.6	133.9	195.3	334.9	*678.1*	325.6	203.7	163.7	109.8	119.1
85°	69.8	65.1	79.1	94.9	112.6	*144.2*	93.9	96.7	87.4	58.6	61.4
87.5°	28.8	26.0	30.7	29.8	26.0	*33.5*	25.1	29.8	35.3	23.3	21.4
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)