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: P1202709

Luminaire Tested: GWC-SB2A-827-U-5NQ

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202709
	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-SB2A-827-U-5NQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8172 lumens
Efficiency:	N/A
Efficacy:	142.6 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):	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

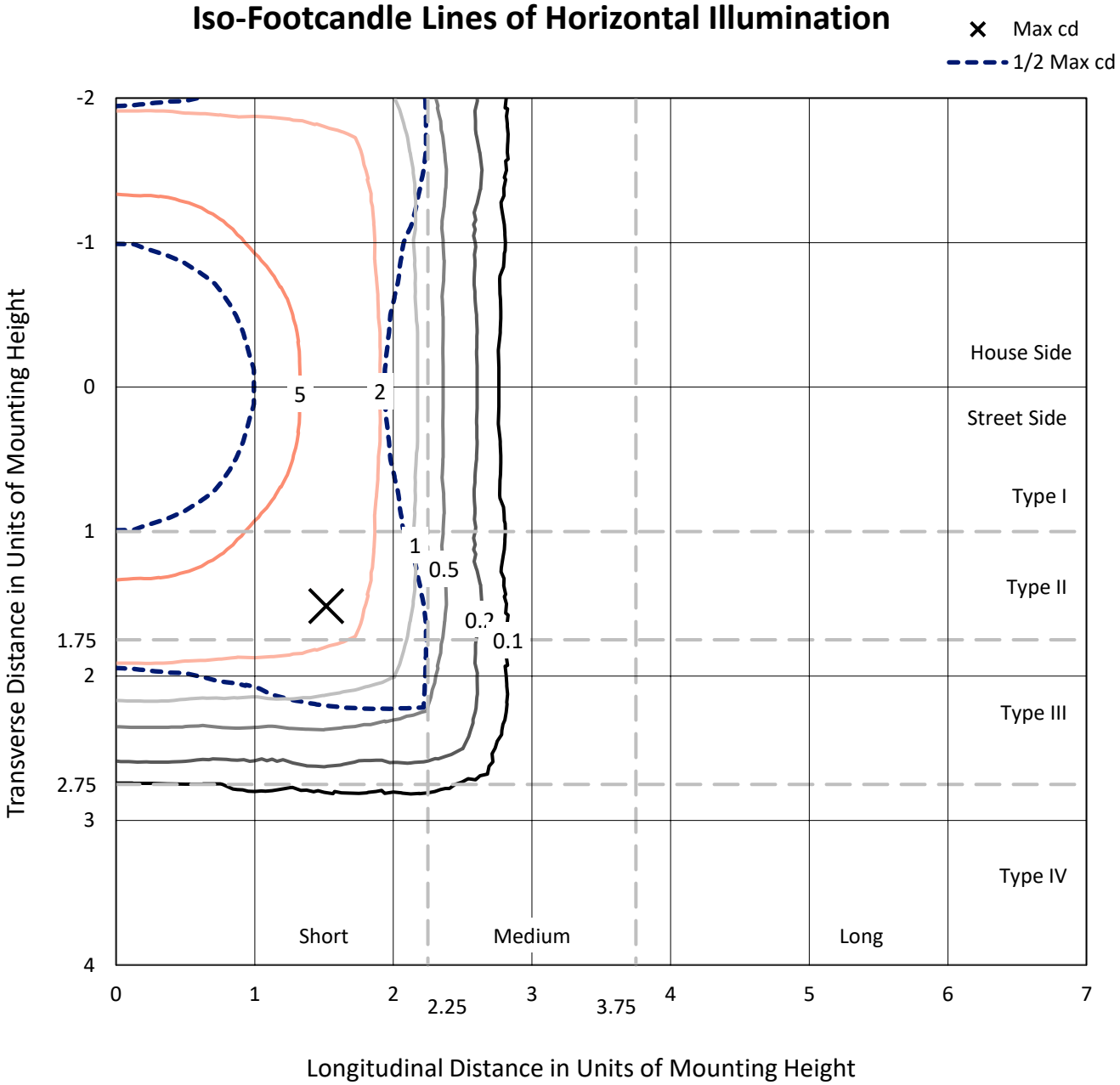


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Iso-Footcandle Lines of Horizontal Illumination



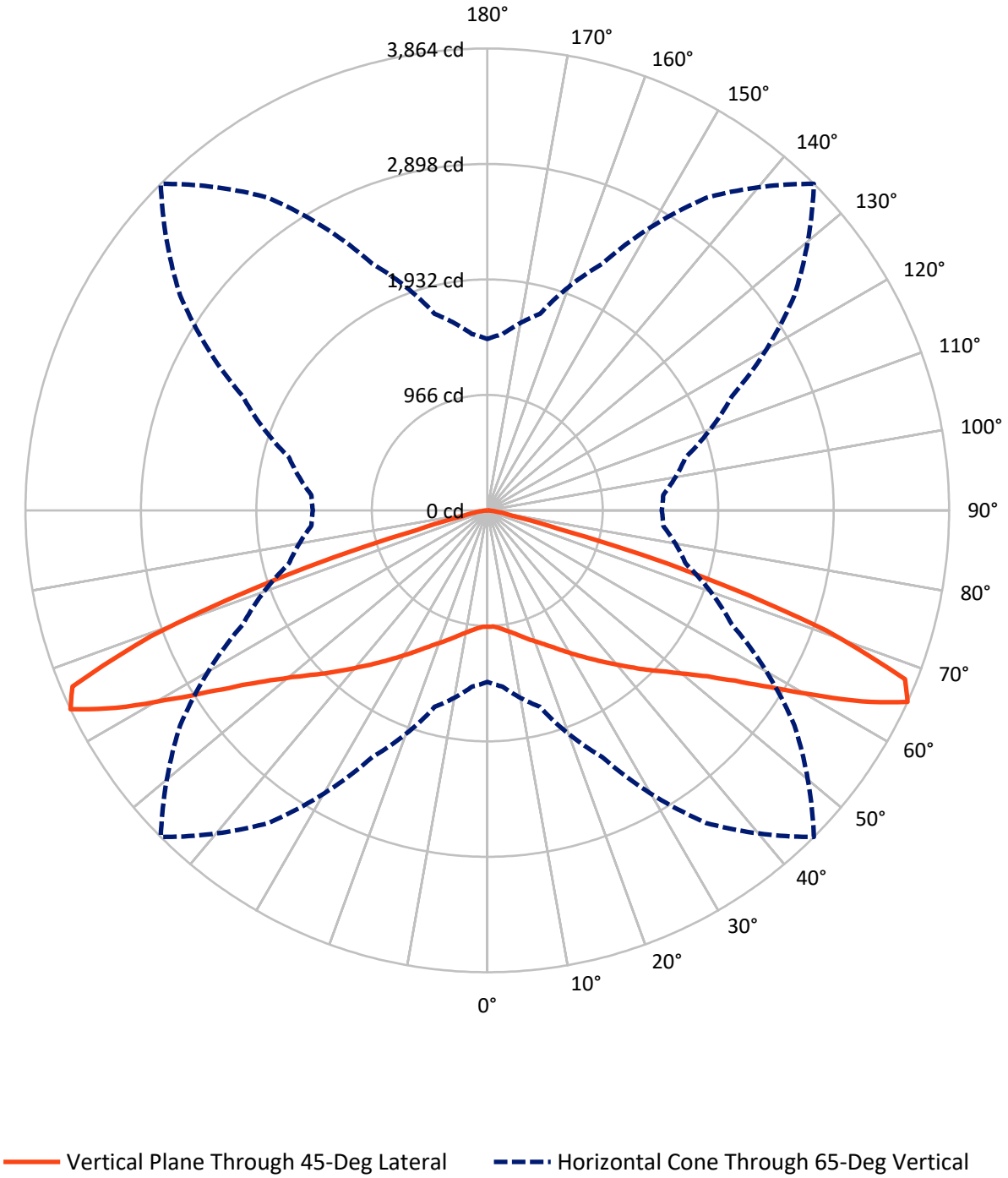
Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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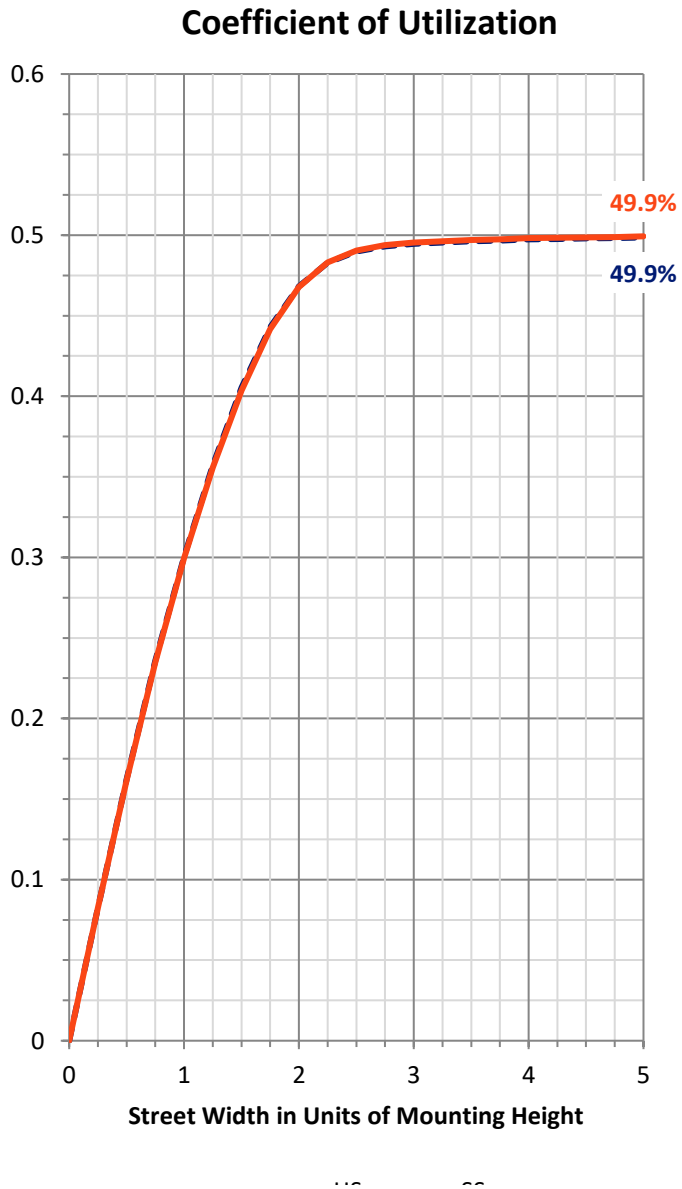
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4086.0	0.0	4086.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4086.0	0.0	4086.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8172.0	0.0	8172.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	1.2
10°-20°	313.2	3.8
20°-30°	591.3	7.2
30°-40°	968.3	11.8
40°-50°	1501.4	18.4
50°-60°	2217.8	27.1
60°-70°	2111.2	25.8
70°-80°	340.7	4.2
80°-90°	32.1	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°	8172.0	100.0
0°-180°	8172.0	100.0



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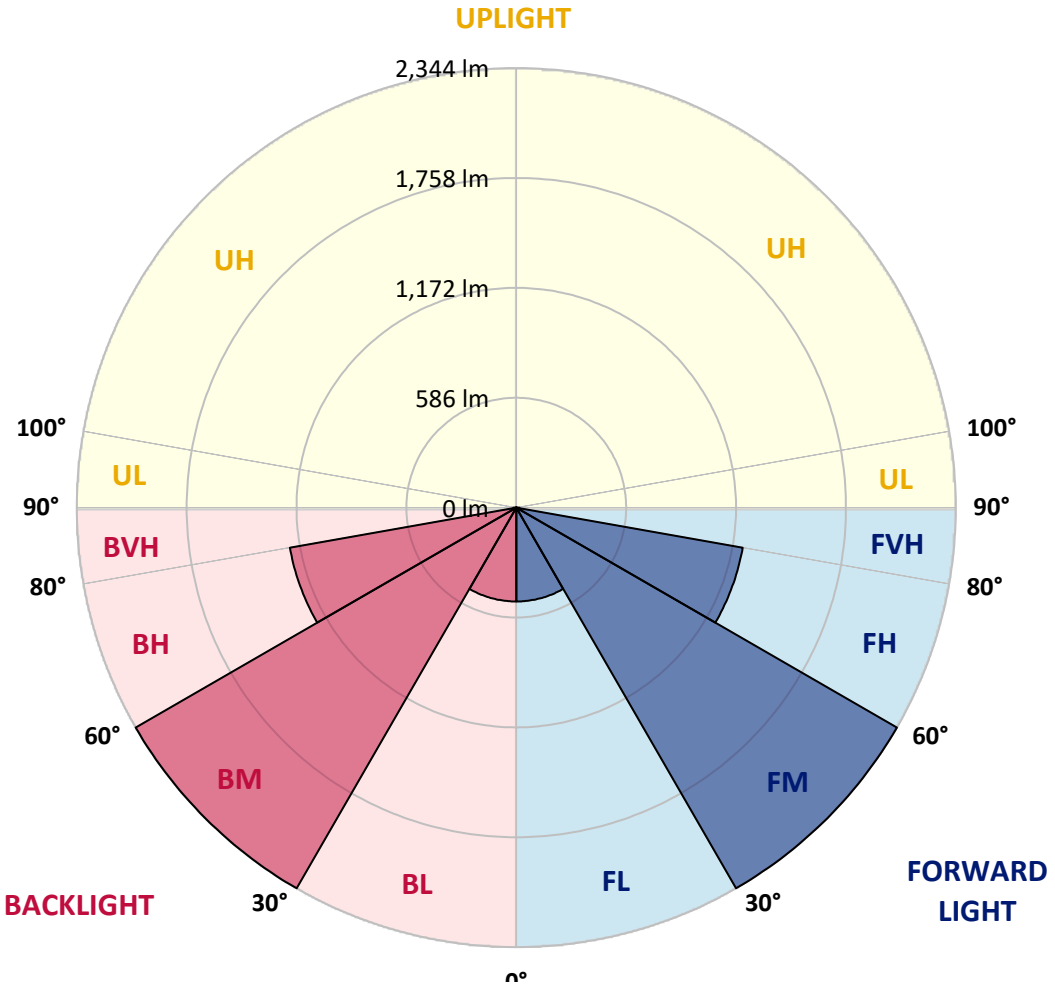
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	500.3	6.1			
FM	(30°-60°)	2343.8	28.7			
FH	(60°-80°)	1225.9	15.0			G1/1800
FVH	(80°-90°)	16.1	0.2			G1/100
BL	(0°-30°)	500.3	6.1	B2/1000		
BM	(30°-60°)	2343.8	28.7	B2/2500		
BH	(60°-80°)	1225.9	15.0	B3/2500		G1/1800
BVH	(80°-90°)	16.1	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°	972.5	972.5	972.5	972.5	972.5	*972.5*	972.5	972.5	972.5	972.5	972.5
2.5°	979.1	975.8	978.3	976.2	974.6	*973.0*	973.8	976.6	977.9	978.3	978.3
5°	992.2	989.4	990.6	990.6	987.7	*986.9*	987.3	989.4	991.8	991.8	991.8
7.5°	1013.6	1010.7	1013.6	1011.9	1009.5	*1008.6*	1008.2	1009.9	1013.6	1013.6	1012.3
10°	1039.4	1036.1	1037.7	1036.9	1034.1	*1032.8*	1032.4	1034.9	1038.2	1037.7	1036.9
12.5°	1067.7	1064.0	1066.0	1063.6	1062.8	*1061.5*	1061.5	1061.1	1063.2	1061.5	1062.3
15°	1099.2	1096.8	1097.6	1096.0	1097.2	*1096.4*	1093.1	1091.5	1092.3	1089.8	1090.2
17.5°	1136.6	1130.8	1133.7	1132.9	1132.9	*1134.5*	1129.2	1127.1	1128.8	1126.3	1128.4
20°	1179.6	1173.9	1175.1	1173.5	1171.4	*1173.0*	1166.5	1168.1	1169.4	1167.7	1171.4
22.5°	1226.8	1219.4	1219.0	1219.8	1215.3	*1215.7*	1211.2	1215.3	1217.7	1213.2	1217.7
25°	1275.1	1267.3	1272.7	1270.6	1264.9	*1266.1*	1262.8	1266.9	1269.0	1263.2	1269.8
27.5°	1326.4	1321.1	1326.0	1327.2	1320.2	*1325.2*	1320.2	1323.9	1326.0	1317.4	1323.9
30°	1386.3	1380.9	1385.4	1388.7	1380.5	*1388.3*	1384.2	1386.7	1387.1	1376.8	1383.0
32.5°	1451.4	1443.2	1454.7	1456.4	1447.3	*1456.8*	1451.4	1454.7	1456.8	1442.8	1452.3
35°	1531.0	1520.7	1533.9	1531.8	1524.0	*1531.8*	1526.9	1531.8	1536.7	1519.9	1530.2
37.5°	1616.7	1606.0	1620.0	1616.3	1608.9	*1614.2*	1611.3	1614.6	1622.4	1604.4	1615.4
40°	1711.0	1697.9	1716.7	1710.2	1703.2	*1702.4*	1704.0	1706.1	1716.3	1696.2	1702.8
42.5°	1811.8	1797.9	1826.2	1815.9	1806.1	*1799.5*	1804.9	1809.0	1818.8	1796.3	1808.2
45°	1927.1	1911.1	1948.0	1935.7	1920.1	*1906.6*	1915.2	1921.3	1935.7	1908.6	1922.5
47.5°	2054.2	2036.1	2075.5	2071.8	2046.4	*2016.9*	2036.5	2054.2	2064.8	2032.0	2043.1
50°	2178.4	2164.5	2216.1	2220.6	2189.5	*2148.1*	2175.5	2202.2	2205.0	2162.0	2167.3
52.5°	2294.8	2280.9	2355.9	2384.2	2356.3	*2307.1*	2336.3	2363.3	2341.6	2285.8	2287.5
55°	2387.9	2376.4	2472.0	2544.9	2554.4	*2513.8*	2531.0	2530.2	2458.8	2373.2	2376.0
57.5°	2410.5	2408.8	2529.4	2683.9	2782.3	*2787.3*	2753.2	2666.3	2512.6	2397.3	2390.0
60°	2308.0	2318.2	2483.9	2756.5	3018.9	*3128.0*	2980.8	2732.7	2451.5	2291.6	2272.7
62.5°	2001.3	2028.3	2228.0	2668.0	3210.0	*3520.0*	3163.2	2631.9	2200.5	1991.8	1979.5
65°	*1434.2*	*1481.4*	*1702.0*	*2276.8*	*3192.8*	*3864.4*	*3137.0*	*2258.3*	*1718.4*	*1477.7*	*1460.1*
67.5°	650.7	698.7	886.0	1558.9	2775.4	*3770.9*	2768.8	1575.3	930.3	701.1	690.9
70°	235.8	244.0	304.2	624.0	1773.7	*3004.6*	1849.6	628.5	323.5	259.9	256.7
72.5°	142.7	143.9	156.6	223.5	616.2	*1824.1*	642.5	230.8	159.9	141.9	144.3
75°	90.6	89.8	111.5	136.5	218.5	*615.4*	229.2	136.5	111.1	101.3	102.1
77.5°	65.2	67.2	80.0	102.1	137.8	*208.7*	135.3	97.6	80.0	65.6	66.8
80°	48.8	50.0	58.2	79.5	96.8	*130.0*	86.1	72.2	60.3	41.0	42.2
82.5°	35.3	35.3	38.1	57.8	59.0	*70.1*	46.7	50.8	39.8	29.1	29.1
85°	20.9	20.5	23.8	34.4	30.8	*25.8*	21.3	31.2	25.0	18.0	17.6
87.5°	7.4	7.8	7.4	9.8	8.2	*7.0*	6.6	8.6	7.0	6.2	5.7
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)