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: P1202621

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

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202621
	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-735-U-5NQ
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 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:	9398 lumens
Efficiency:	N/A
Efficacy:	164.0 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

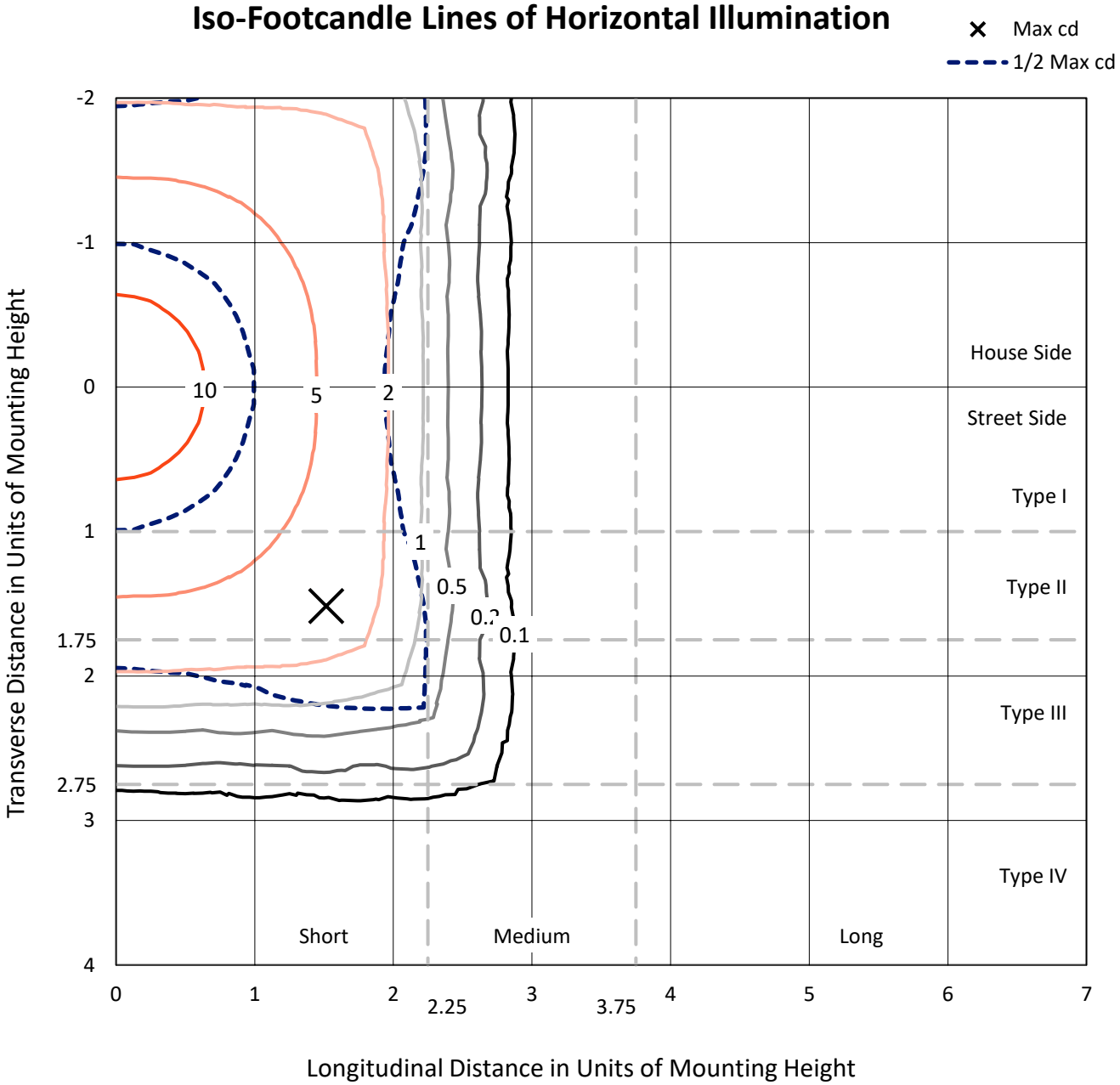


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Iso-Footcandle Lines of Horizontal Illumination



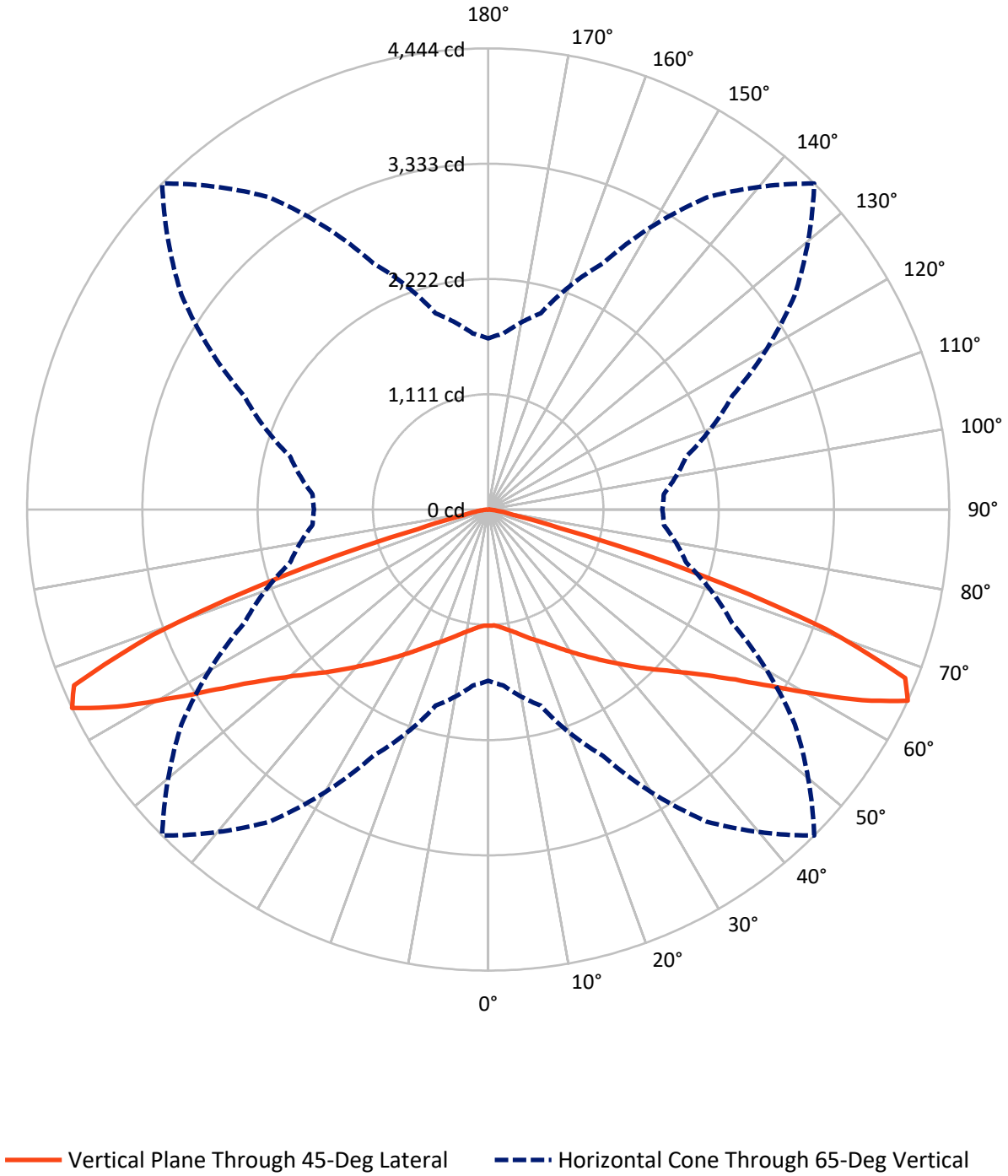
Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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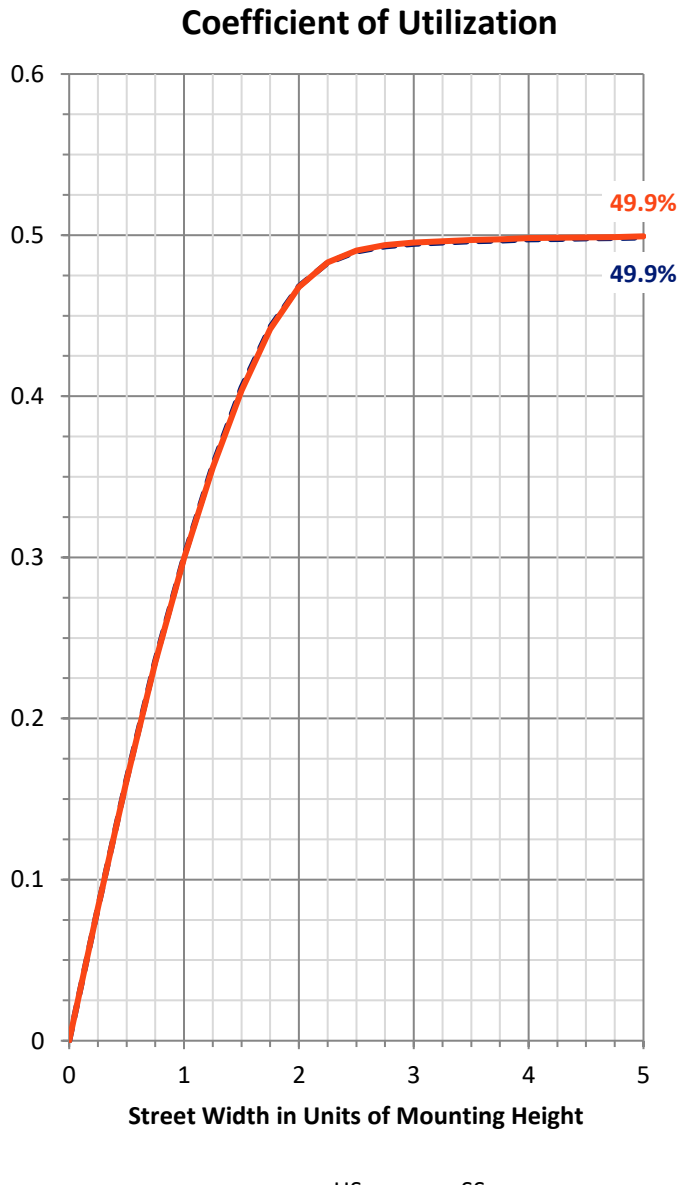
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4699.0	0.0	4699.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4699.0	0.0	4699.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9398.0	0.0	9398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	1.2
10°-20°	360.2	3.8
20°-30°	680.1	7.2
30°-40°	1113.6	11.8
40°-50°	1726.6	18.4
50°-60°	2550.6	27.1
60°-70°	2427.9	25.8
70°-80°	391.8	4.2
80°-90°	36.9	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°	9398.0	100.0
0°-180°	9398.0	100.0



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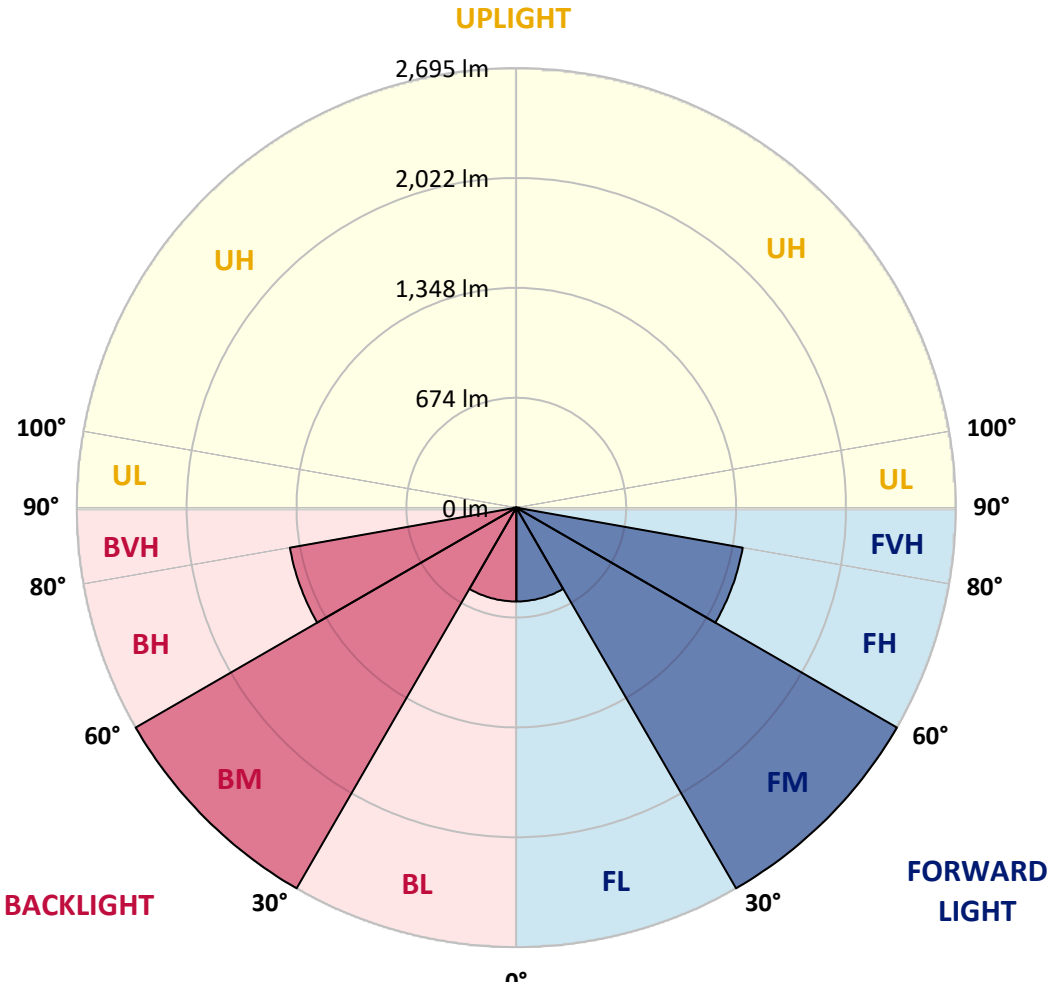
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	575.3	6.1			
FM	(30°-60°)	2695.4	28.7			
FH	(60°-80°)	1409.8	15.0			G1/1800
FVH	(80°-90°)	18.5	0.2			G1/100
BL	(0°-30°)	575.3	6.1	B2/1000		
BM	(30°-60°)	2695.4	28.7	B3/5000		
BH	(60°-80°)	1409.8	15.0	B3/2500		G1/1800
BVH	(80°-90°)	18.5	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°	1118.5	1118.5	1118.5	1118.5	1118.5	*1118.5*	1118.5	1118.5	1118.5	1118.5	1118.5
2.5°	1126.0	1122.2	1125.1	1122.7	1120.8	*1118.9*	1119.9	1123.2	1124.6	1125.1	1125.1
5°	1141.1	1137.8	1139.2	1139.2	1135.9	*1135.0*	1135.4	1137.8	1140.6	1140.6	1140.6
7.5°	1165.6	1162.3	1165.6	1163.7	1160.9	*1160.0*	1159.5	1161.4	1165.6	1165.6	1164.2
10°	1195.3	1191.5	1193.4	1192.5	1189.2	*1187.8*	1187.3	1190.1	1193.9	1193.4	1192.5
12.5°	1227.8	1223.6	1226.0	1223.1	1222.2	*1220.8*	1220.8	1220.3	1222.7	1220.8	1221.7
15°	1264.2	1261.3	1262.3	1260.4	1261.8	*1260.9*	1257.1	1255.2	1256.1	1253.3	1253.8
17.5°	1307.1	1300.5	1303.8	1302.8	1302.8	*1304.7*	1298.6	1296.2	1298.1	1295.3	1297.6
20°	1356.6	1350.0	1351.4	1349.5	1347.1	*1349.0*	1341.5	1343.4	1344.8	1342.9	1347.1
22.5°	1410.8	1402.3	1401.8	1402.8	1397.6	*1398.1*	1392.9	1397.6	1400.4	1395.2	1400.4
25°	1466.4	1457.5	1463.6	1461.3	1454.7	*1456.1*	1452.3	1457.0	1459.4	1452.8	1460.3
27.5°	1525.4	1519.3	1524.9	1526.3	1518.3	*1524.0*	1518.3	1522.6	1524.9	1515.0	1522.6
30°	1594.2	1588.1	1593.3	1597.1	1587.6	*1596.6*	1591.9	1594.7	1595.2	1583.4	1590.5
32.5°	1669.2	1659.8	1673.0	1674.9	1664.5	*1675.3*	1669.2	1673.0	1675.3	1659.3	1670.1
35°	1760.7	1748.9	1764.0	1761.6	1752.7	*1761.6*	1756.0	1761.6	1767.3	1747.9	1759.7
37.5°	1859.2	1847.0	1863.0	1858.7	1850.3	*1856.4*	1853.1	1856.9	1865.8	1845.1	1857.8
40°	1967.7	1952.6	1974.3	1966.7	1958.7	*1957.8*	1959.7	1962.0	1973.8	1950.7	1958.2
42.5°	2083.7	2067.6	2100.2	2088.4	2077.1	*2069.5*	2075.7	2080.4	2091.7	2065.7	2079.4
45°	2216.2	2197.8	2240.2	2226.1	2208.1	*2192.6*	2202.5	2209.6	2226.1	2194.9	2211.0
47.5°	2362.3	2341.6	2386.9	2382.6	2353.4	*2319.4*	2342.1	2362.3	2374.6	2336.9	2349.6
50°	2505.2	2489.2	2548.6	2553.8	2517.9	*2470.3*	2501.9	2532.6	2535.9	2486.3	2492.5
52.5°	2639.1	2623.1	2709.4	2741.9	2709.9	*2653.3*	2686.7	2717.9	2692.9	2628.7	2630.6
55°	2746.2	2733.0	2842.8	2926.8	2937.6	*2890.9*	2910.7	2909.8	2827.7	2729.2	2732.5
57.5°	2772.1	2770.2	2908.8	3086.6	3199.8	*3205.4*	3166.3	3066.3	2889.5	2757.0	2748.5
60°	2654.2	2666.0	2856.5	3170.1	3471.8	*3597.3*	3428.0	3142.7	2819.2	2635.4	2613.7
62.5°	2301.5	2332.6	2562.3	3068.2	3691.6	*4048.0*	3637.8	3026.7	2530.7	2290.7	2276.5
65°	*1649.4*	*1703.6*	*1957.3*	*2618.4*	*3671.8*	*4444.1*	*3607.6*	*2597.2*	*1976.2*	*1699.4*	*1679.1*
67.5°	748.3	803.5	1019.0	1792.7	3191.7	*4336.6*	3184.2	1811.6	1069.9	806.3	794.5
70°	271.1	280.6	349.9	717.7	2039.8	*3455.3*	2127.0	722.8	372.0	298.9	295.2
72.5°	164.1	165.5	180.1	257.0	708.7	*2097.8*	738.9	265.5	183.9	163.1	166.0
75°	104.2	103.3	128.3	157.0	251.3	*707.8*	263.6	157.0	127.8	116.5	117.4
77.5°	75.0	77.3	91.9	117.4	158.4	*240.0*	155.6	112.2	91.9	75.4	76.9
80°	56.1	57.5	67.0	91.5	111.3	*149.5*	99.0	83.0	69.3	47.2	48.6
82.5°	40.6	40.6	43.9	66.5	67.9	*80.6*	53.8	58.5	45.7	33.5	33.5
85°	24.0	23.6	27.3	39.6	35.4	*29.7*	24.5	35.8	28.8	20.7	20.3
87.5°	8.5	9.0	8.5	11.3	9.4	*8.0*	7.5	9.9	8.0	7.1	6.6
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)