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: P1203082

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

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203082
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-5MQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10253 lumens
Efficiency:	N/A
Efficacy:	138.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G2

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

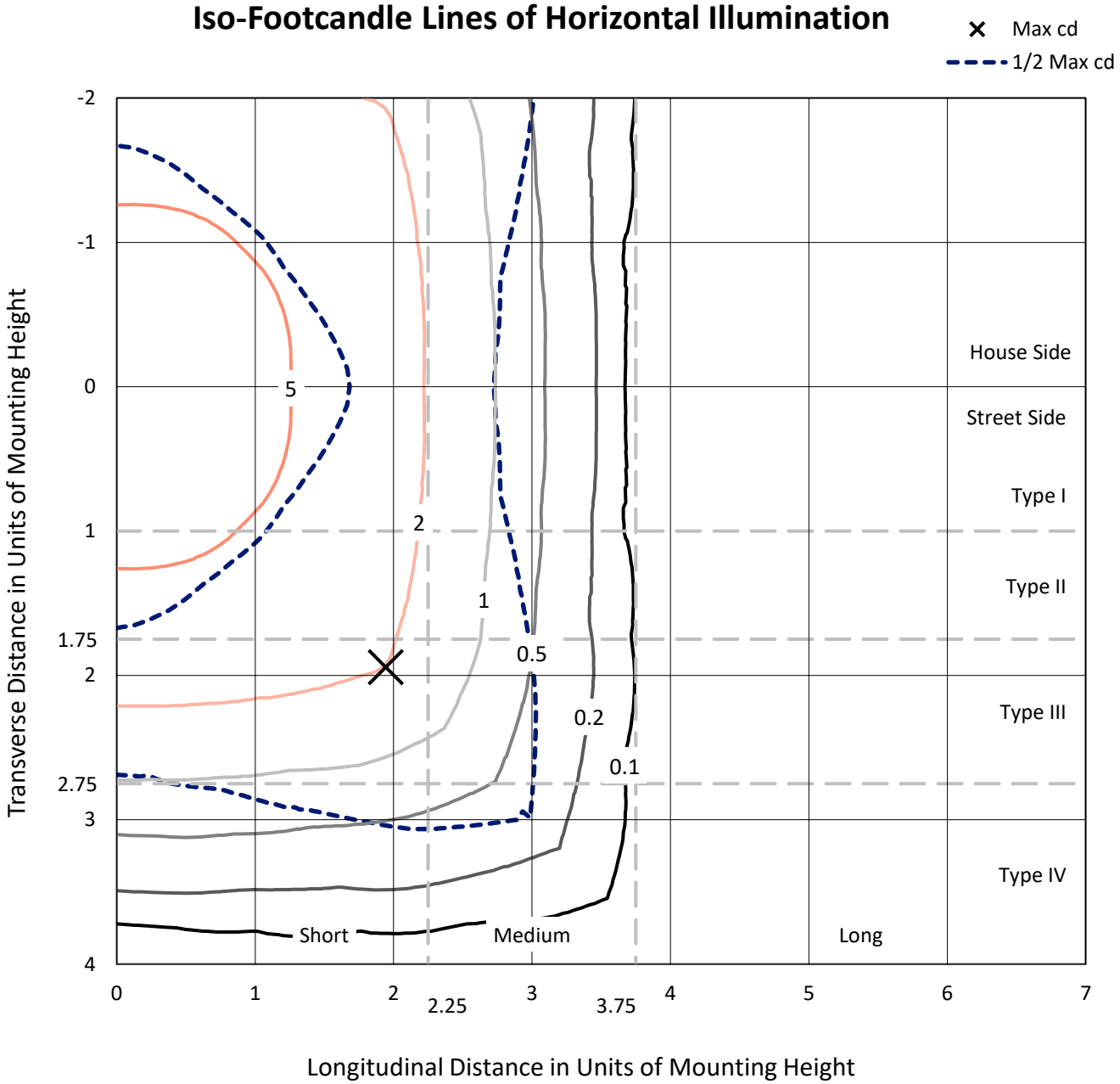


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Iso-Footcandle Lines of Horizontal Illumination



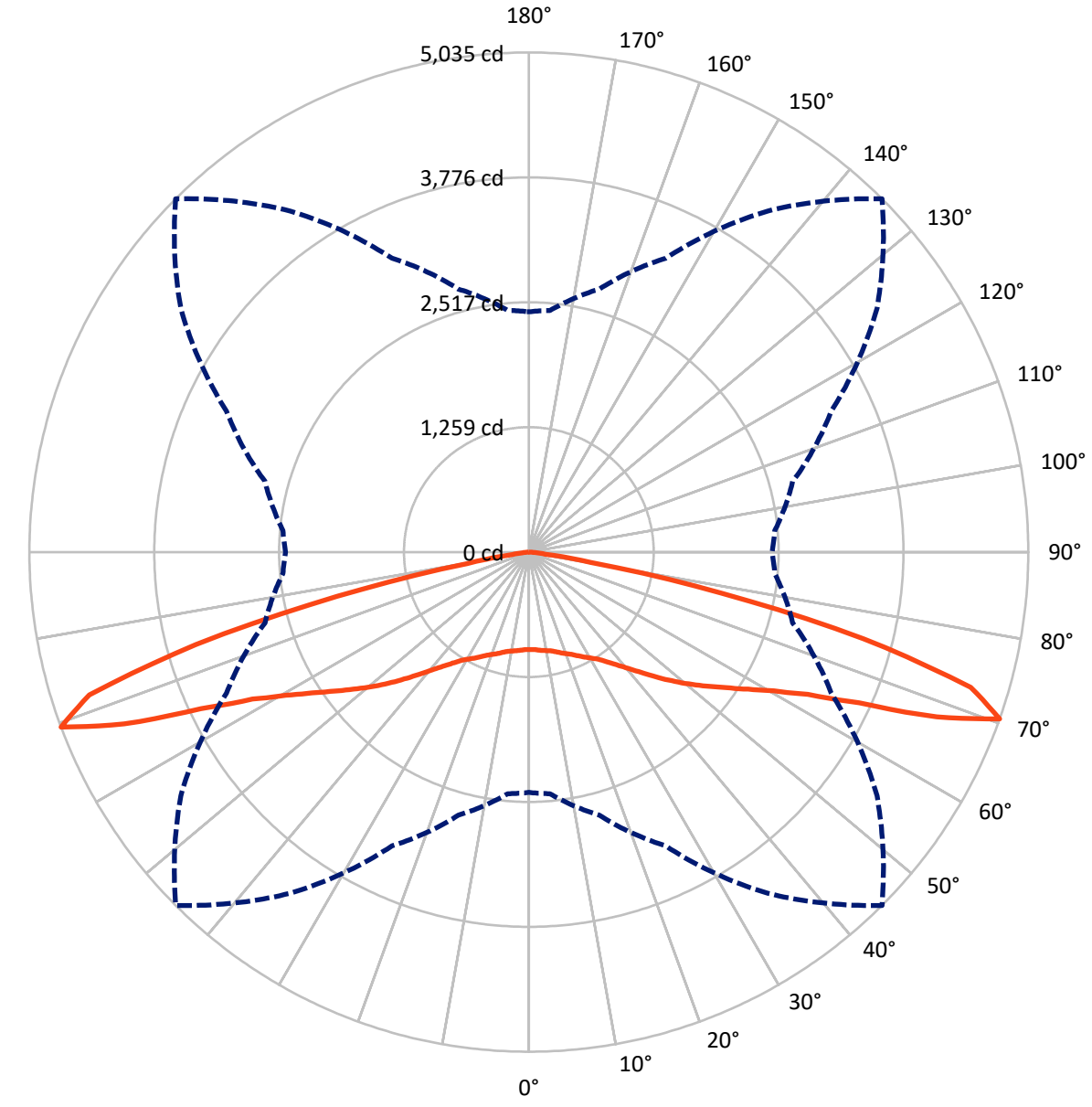
Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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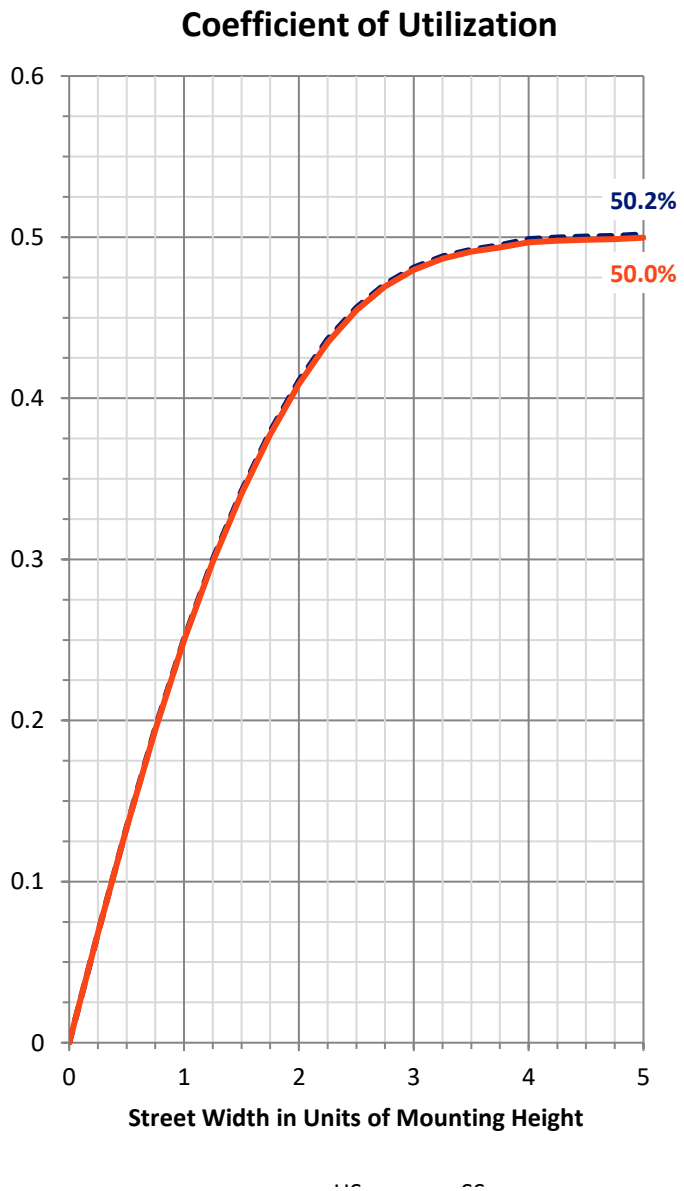
REPORT NUMBER: P1203082
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5126.5	0.0	5126.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5126.5	0.0	5126.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10253.0	0.0	10253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	0.9
10°-20°	295.9	2.9
20°-30°	528.7	5.2
30°-40°	857.1	8.4
40°-50°	1396.1	13.6
50°-60°	2128.5	20.8
60°-70°	3166.6	30.9
70°-80°	1725.9	16.8
80°-90°	58.8	0.6
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°	10253.0	100.0
0°-180°	10253.0	100.0



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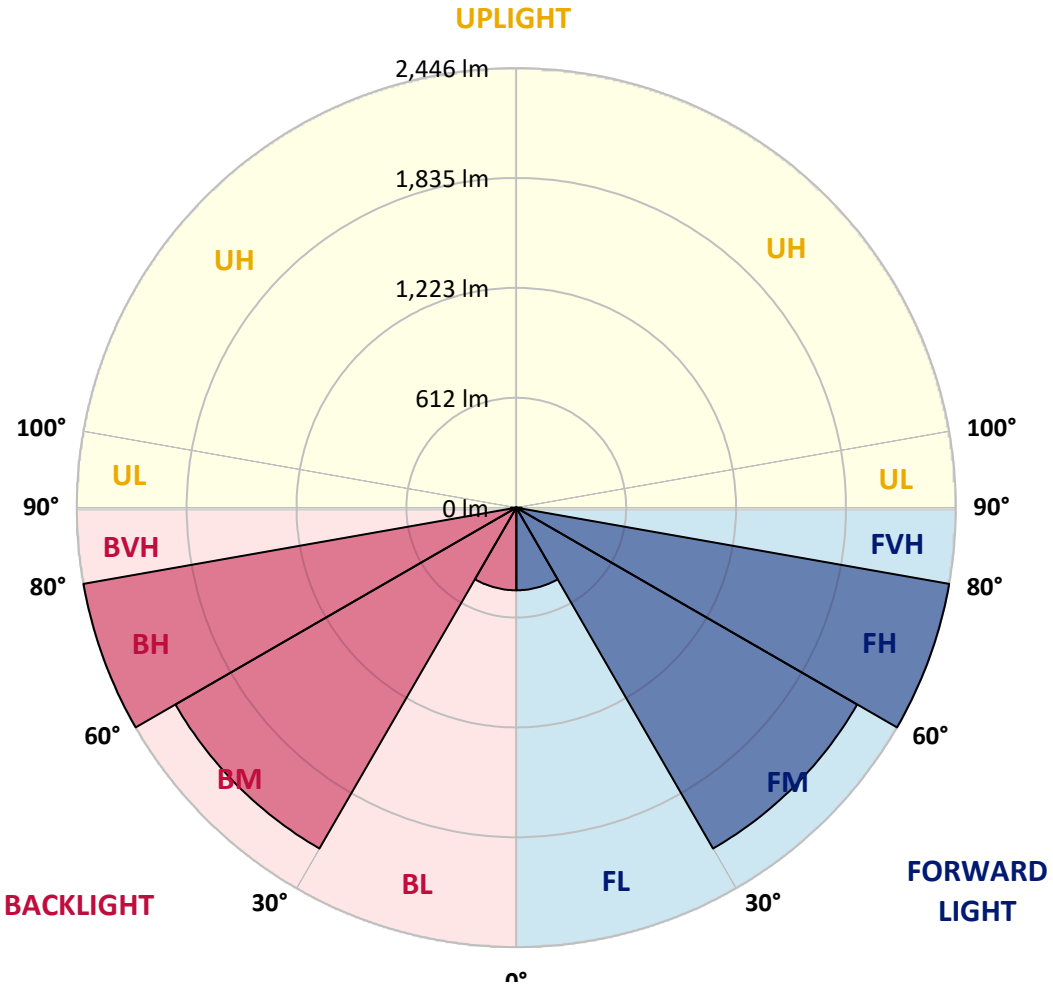
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	460.0	4.5			
FM	(30°-60°)	2190.9	21.4			
FH	(60°-80°)	2446.2	23.9			G2/5000
FVH	(80°-90°)	29.4	0.3			G1/100
BL	(0°-30°)	460.0	4.5	B1/500		
BM	(30°-60°)	2190.9	21.4	B2/2500		
BH	(60°-80°)	2446.2	23.9	B3/2500		G2/5000
BVH	(80°-90°)	29.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	982.1	982.1	982.1	982.1	982.1	*982.1*	982.1	982.1	982.1	982.1	982.1
2.5°	986.8	987.8	985.7	984.7	983.7	*982.1*	982.6	985.2	987.3	986.8	987.3
5°	995.0	996.0	994.5	994.0	991.9	*991.4*	991.4	994.0	995.5	994.5	995.0
7.5°	1004.3	1005.8	1003.2	1002.7	1001.7	*1000.7*	1000.1	1002.7	1004.3	1004.3	1004.3
10°	1013.0	1014.6	1012.5	1011.0	1009.9	*1009.9*	1008.9	1011.0	1013.5	1013.0	1013.0
12.5°	1022.3	1023.3	1021.3	1020.2	1020.2	*1021.8*	1020.2	1021.3	1023.3	1022.3	1021.8
15°	1033.6	1034.1	1033.6	1035.1	1037.7	*1042.9*	1038.2	1037.2	1038.2	1035.7	1035.7
17.5°	1049.0	1050.1	1052.1	1055.7	1059.3	*1068.6*	1060.4	1057.8	1057.8	1052.7	1052.7
20°	1068.1	1069.6	1072.7	1078.9	1083.5	*1092.3*	1084.1	1080.4	1078.9	1072.2	1072.2
22.5°	1088.2	1090.7	1095.4	1103.6	1111.8	*1120.1*	1111.8	1105.7	1101.0	1092.3	1091.8
25°	1111.3	1114.4	1121.6	1135.0	1146.3	*1158.2*	1148.4	1136.0	1126.8	1114.4	1113.9
27.5°	1144.3	1147.9	1156.6	1173.1	1187.5	*1197.8*	1188.5	1172.6	1159.7	1144.8	1144.3
30°	1190.6	1194.2	1204.5	1222.0	1231.8	*1238.5*	1232.3	1219.9	1204.5	1187.5	1187.5
32.5°	1250.3	1254.9	1266.3	1282.7	1284.8	*1285.8*	1283.8	1277.6	1266.3	1245.7	1246.2
35°	1326.0	1331.1	1344.0	1357.4	1355.3	*1357.4*	1354.3	1352.2	1344.0	1320.3	1320.3
37.5°	1418.6	1424.8	1438.2	1448.5	1443.3	*1440.8*	1441.3	1441.8	1437.2	1410.9	1410.9
40°	1526.2	1534.5	1544.2	1555.0	1546.3	*1538.6*	1543.7	1547.8	1543.7	1517.0	1517.0
42.5°	1636.9	1648.7	1659.0	1674.5	1667.3	*1657.5*	1664.7	1669.3	1660.6	1631.7	1633.8
45°	1759.9	1771.2	1784.6	1807.8	1802.6	*1792.3*	1802.6	1803.7	1788.7	1754.8	1758.4
47.5°	1887.1	1898.9	1919.0	1949.8	1947.8	*1936.5*	1949.8	1942.6	1923.6	1882.9	1880.4
50°	2007.5	2024.0	2054.9	2098.1	2102.2	*2088.3*	2106.3	2092.4	2060.5	2009.6	2008.5
52.5°	2120.7	2138.2	2187.1	2245.8	2260.8	*2242.7*	2266.9	2242.7	2194.9	2129.5	2123.3
55°	2239.7	2259.2	2317.4	2394.1	2423.9	*2410.5*	2433.2	2396.6	2328.7	2249.4	2238.6
57.5°	2379.7	2391.5	2461.0	2552.1	2602.5	*2605.6*	2615.9	2554.2	2471.8	2381.7	2369.4
60°	2531.5	2548.0	2623.6	2732.8	2812.6	*2838.3*	2827.5	2735.9	2640.1	2536.7	2520.2
62.5°	2726.1	2744.1	2834.7	2965.4	3091.6	*3155.4*	3113.2	2980.4	2862.0	2737.9	2716.3
65°	2887.2	2907.3	3071.0	3304.1	3533.7	*3661.9*	3555.9	3311.3	3098.2	2923.2	2894.4
67.5°	2770.4	2795.1	3051.9	3480.2	4051.0	*4433.5*	4070.6	3532.7	3115.2	2877.9	2842.4
70°	*2421.4*	*2444.5*	*2744.1*	*3267.6*	*4196.7*	*5034.7*	*4284.2*	*3363.9*	*2753.9*	*2488.3*	*2452.8*
72.5°	1607.5	1682.2	1985.4	2613.4	3747.3	*4658.9*	3784.4	2560.3	1841.8	1603.9	1552.0
75°	533.3	593.0	799.9	1354.8	2509.9	*3484.3*	2389.4	1198.8	633.6	456.1	431.4
77.5°	134.3	154.9	213.6	387.6	1001.2	*1983.8*	901.3	316.6	172.4	120.5	107.6
80°	65.4	72.1	102.9	129.2	250.7	*630.6*	235.2	121.5	81.3	62.8	57.7
82.5°	36.0	36.5	58.2	73.1	93.2	*163.2*	96.8	71.0	46.8	38.1	38.1
85°	22.1	21.6	30.9	39.1	39.1	*58.2*	46.3	39.1	26.8	23.7	24.7
87.5°	8.8	8.8	11.3	12.4	10.8	*14.9*	11.8	12.9	10.3	9.8	10.3
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)