

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P845765

Luminaire Tested: **GLAN-SB1A-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2613 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

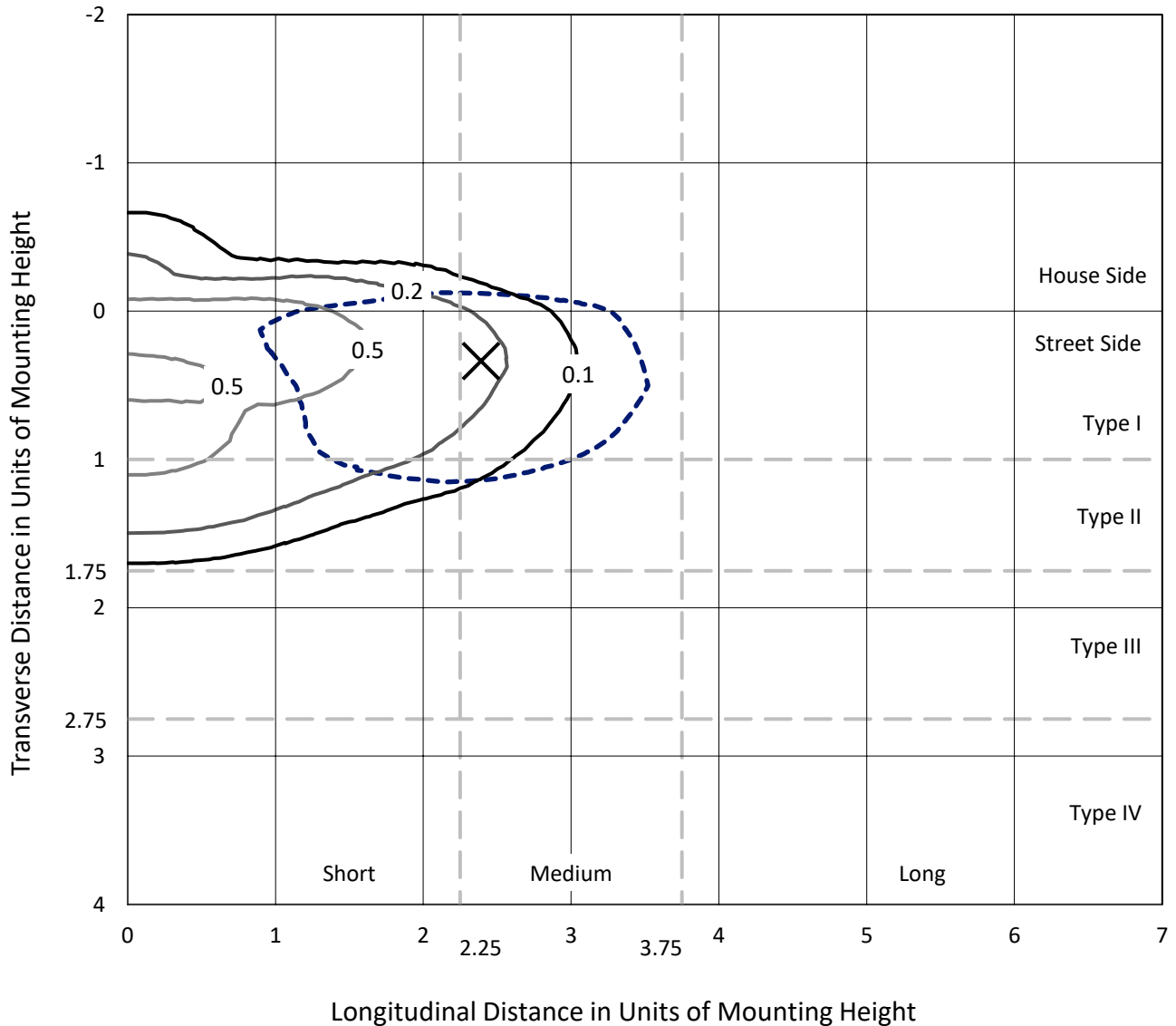
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

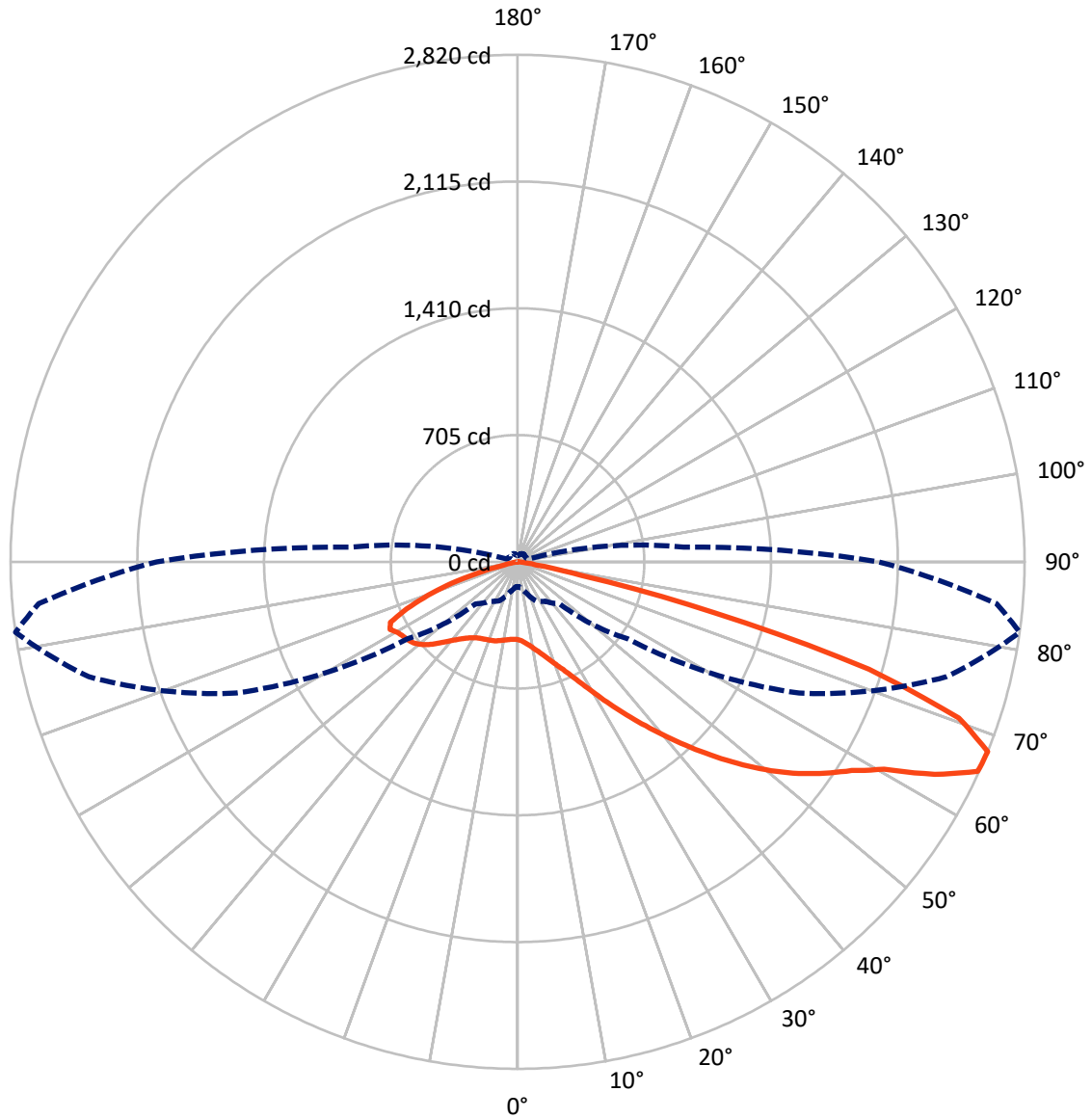
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	473.3	0.0	473.3
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	2139.7	0.0	2139.7
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	2613.0	0.0	2613.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.6	1.5
10°-20°	100.2	3.8
20°-30°	160.5	6.1
30°-40°	283.8	10.9
40°-50°	497.3	19.0
50°-60°	663.3	25.4
60°-70°	617.5	23.6
70°-80°	237.0	9.1
80°-90°	14.7	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°	2613.0	100.0
0°-180°	2613.0	100.0

**Coefficient of Utilization**

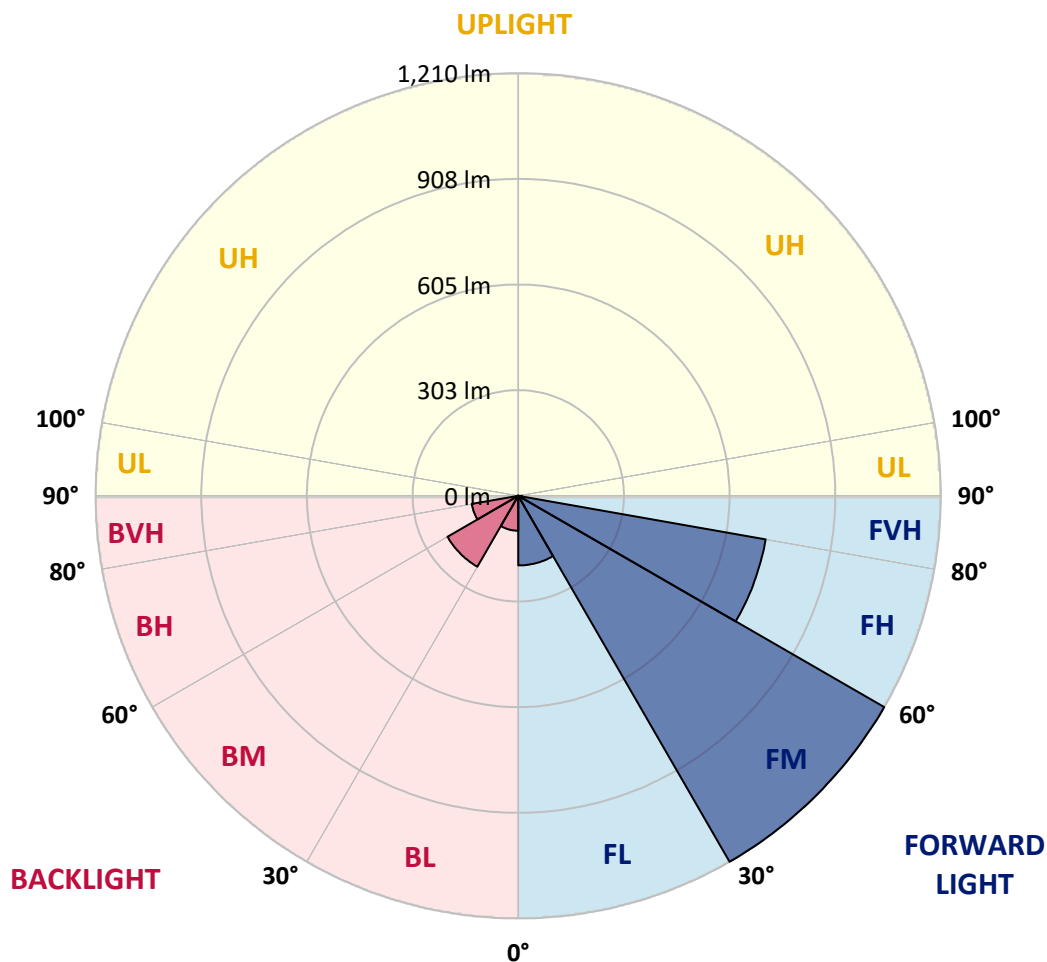


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.3	7.6			
FM (30°-60°)	1210.2	46.3			
FH (60°-80°)	719.4	27.5			G1/1800
FVH (80°-90°)	10.7	0.4			G1/100
BL (0°-30°)	100.0	3.8	B0/110		
BM (30°-60°)	234.2	9.0	B1/1000		
BH (60°-80°)	135.1	5.2	B1/500		G1/500
BVH (80°-90°)	4.0	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9
2.5°	457.5	460.2	458.7	457.9	456.6	454.7	453.2	448.5	443.6	440.4
5°	466.7	469.4	469.2	469.9	470.9	471.5	471.1	465.8	458.8	453.4
7.5°	458.8	461.9	464.3	468.1	474.7	481.6	485.0	483.9	476.7	469.2
10°	436.5	439.7	445.5	454.3	468.3	483.3	495.9	501.7	497.2	488.9
12.5°	395.4	398.6	410.1	429.3	452.6	478.8	502.9	518.5	519.6	511.3
15°	349.4	352.6	364.8	388.9	424.4	466.4	506.6	536.2	546.1	539.0
17.5°	320.8	323.6	332.8	352.2	389.2	441.5	505.3	555.0	577.7	572.1
20°	312.1	314.6	318.9	332.4	363.3	415.8	496.7	572.7	611.8	608.6
22.5°	321.3	323.6	324.9	330.9	350.3	398.8	485.8	590.7	651.3	651.7
25°	342.6	344.8	343.3	347.1	355.6	393.6	481.6	612.0	701.0	705.1
27.5°	377.6	377.8	374.2	374.0	375.3	401.5	485.9	634.7	763.6	771.3
30°	447.7	444.9	431.2	416.3	409.6	425.2	498.0	661.7	837.6	851.3
32.5°	555.9	551.8	526.6	491.0	455.3	463.4	519.6	692.3	918.1	942.9
35°	673.3	672.2	645.8	593.0	530.5	517.7	554.8	732.6	1005.9	1045.4
37.5°	782.4	781.9	766.8	704.5	628.5	593.5	611.2	785.3	1100.0	1157.2
40°	882.1	883.8	868.8	813.1	736.5	690.8	688.0	850.3	1204.6	1278.9
42.5°	968.3	970.2	954.9	913.7	843.2	798.4	782.2	930.1	1306.7	1409.7
45°	1026.8	1038.5	1036.2	1003.3	952.7	906.2	895.5	1030.2	1423.2	1548.3
47.5°	1043.4	1054.1	1071.0	1075.5	1044.7	999.0	1011.8	1150.8	1541.0	1687.1
50°	1002.5	1012.5	1047.7	1094.5	1116.0	1101.9	1124.8	1280.0	1661.6	1825.6
52.5°	922.0	932.2	976.6	1050.7	1138.2	1182.6	1238.3	1407.4	1778.4	1956.7
55°	805.6	816.3	873.3	957.2	1095.9	1215.9	1332.9	1534.6	1885.4	2074.7
57.5°	647.2	655.1	714.3	831.7	989.4	1182.8	1402.7	1673.4	1986.3	2190.6
60°	421.8	428.7	497.6	628.5	812.9	1072.1	1416.6	1828.2	2120.2	2341.3
62.5°	280.5	285.2	326.0	422.2	572.5	859.8	1335.2	1951.8	2316.6	2603.5
65°	192.5	197.2	238.0	305.0	369.9	568.7	1100.9	1935.5	2494.6	2811.8
67.5°	137.3	141.3	175.9	239.1	267.7	330.4	746.3	1726.3	2469.0	2819.7
70°	98.4	100.6	129.2	186.2	212.8	198.5	415.0	1320.3	2161.8	2603.7
72.5°	68.9	69.6	89.7	141.8	171.4	144.9	197.5	880.3	1635.0	2043.6
75°	46.7	47.6	60.4	104.0	137.5	110.6	104.6	472.0	959.8	1131.2
77.5°	28.6	29.0	38.9	71.1	102.9	84.3	67.4	200.0	371.4	364.6
80°	16.2	16.2	24.8	44.2	70.2	54.4	47.2	85.0	117.6	103.3
82.5°	9.0	9.2	18.1	27.5	46.5	32.2	26.0	39.3	50.8	45.0
85°	3.8	4.1	11.1	13.0	22.2	16.0	10.5	16.6	18.8	16.7
87.5°	0.4	0.6	3.4	2.4	2.6	3.2	1.5	3.2	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
432.9	0°	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9	432.9
439.3	2.5°	435.7	432.9	425.7	417.5	406.5	401.3	394.1	389.2	385.1	385.5
450.2	5°	444.2	437.0	421.0	401.1	376.3	358.6	339.8	326.8	316.2	314.0
465.2	7.5°	455.8	444.5	416.5	380.6	338.6	306.8	278.4	260.2	247.2	243.1
483.5	10°	470.9	454.5	410.7	354.8	294.4	254.0	223.5	209.2	200.4	197.3
504.9	12.5°	488.4	466.0	403.0	323.4	248.9	210.0	190.6	183.4	180.6	179.7
531.3	15°	510.4	480.3	391.3	286.1	210.3	183.0	174.8	173.8	174.2	173.8
562.9	17.5°	536.5	495.9	372.3	247.8	184.4	169.3	166.3	167.1	168.0	167.8
598.3	20°	565.1	511.3	348.0	213.7	166.7	159.5	157.8	158.6	159.3	159.0
639.1	22.5°	597.7	527.9	321.1	187.2	154.8	150.5	148.6	148.8	148.8	148.1
690.8	25°	636.6	546.1	292.9	168.4	145.8	142.4	140.2	139.4	138.3	136.0
753.6	27.5°	683.1	565.5	265.8	155.2	138.7	135.5	132.8	130.9	128.1	124.4
829.1	30°	735.4	589.0	242.9	146.9	133.0	129.8	126.8	124.0	119.8	115.1
915.8	32.5°	796.9	614.2	226.1	141.5	127.9	124.5	121.0	117.6	113.1	108.4
1013.3	35°	870.3	644.7	216.3	137.7	124.0	119.5	115.5	111.7	108.4	104.2
1119.2	37.5°	949.9	677.1	213.3	135.8	121.3	114.4	109.9	107.2	106.9	104.4
1233.8	40°	1037.0	715.5	215.6	134.7	118.5	109.5	104.6	104.0	105.0	100.6
1356.2	42.5°	1129.2	761.0	219.4	133.4	114.6	104.6	99.9	99.9	99.1	93.1
1485.7	45°	1228.9	813.5	223.1	130.2	109.9	99.7	96.1	94.8	91.6	85.8
1615.8	47.5°	1329.3	866.9	225.9	124.4	104.2	95.6	92.4	89.4	84.7	79.4
1743.6	50°	1424.7	914.9	222.9	115.7	97.8	91.6	88.2	84.1	79.0	75.4
1864.6	52.5°	1509.9	956.4	210.1	105.5	91.1	87.5	84.5	80.1	76.0	72.2
1973.7	55°	1584.0	990.1	187.6	95.9	85.0	83.9	80.9	75.4	69.8	66.6
2081.8	57.5°	1655.2	1015.7	159.3	88.0	79.6	80.0	75.4	70.5	65.3	61.9
2227.6	60°	1749.8	1049.9	130.7	80.7	73.7	74.9	70.0	66.4	59.8	55.5
2477.7	62.5°	1901.0	1103.2	103.8	71.7	67.0	67.4	65.3	61.0	53.1	48.0
2663.0	65°	2021.1	1083.6	81.8	61.9	59.3	59.8	59.8	55.1	46.7	40.8
2672.9	67.5°	2007.5	927.9	65.3	52.3	51.9	52.3	53.6	49.7	41.4	36.7
2469.4	70°	1849.3	738.0	52.3	43.5	45.2	44.2	48.0	45.3	37.2	32.5
1914.4	72.5°	1509.0	531.7	39.9	35.9	34.6	36.1	43.3	40.8	31.0	25.8
1014.0	75°	881.8	283.7	29.7	28.4	25.0	30.1	38.4	34.8	23.7	19.0
310.8	77.5°	287.1	99.0	21.8	20.9	18.6	24.3	32.7	29.3	19.4	15.1
91.1	80°	76.9	29.9	14.9	13.7	12.0	18.1	26.0	23.3	13.9	9.8
39.1	82.5°	30.9	12.6	8.7	7.7	6.6	12.4	20.5	18.8	10.3	6.2
12.2	85°	10.0	4.1	3.2	2.4	3.0	7.7	12.2	12.8	7.3	3.2
1.9	87.5°	1.3	0.6	0.6	0.8	0.6	1.3	3.8	3.6	2.1	0.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
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432.9
381.7
308.9
238.9
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179.1
173.6
167.4
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114.8
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100.8
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