

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: P846042

Luminaire Tested: **GLAN-SB1C-727-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846042  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-727-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

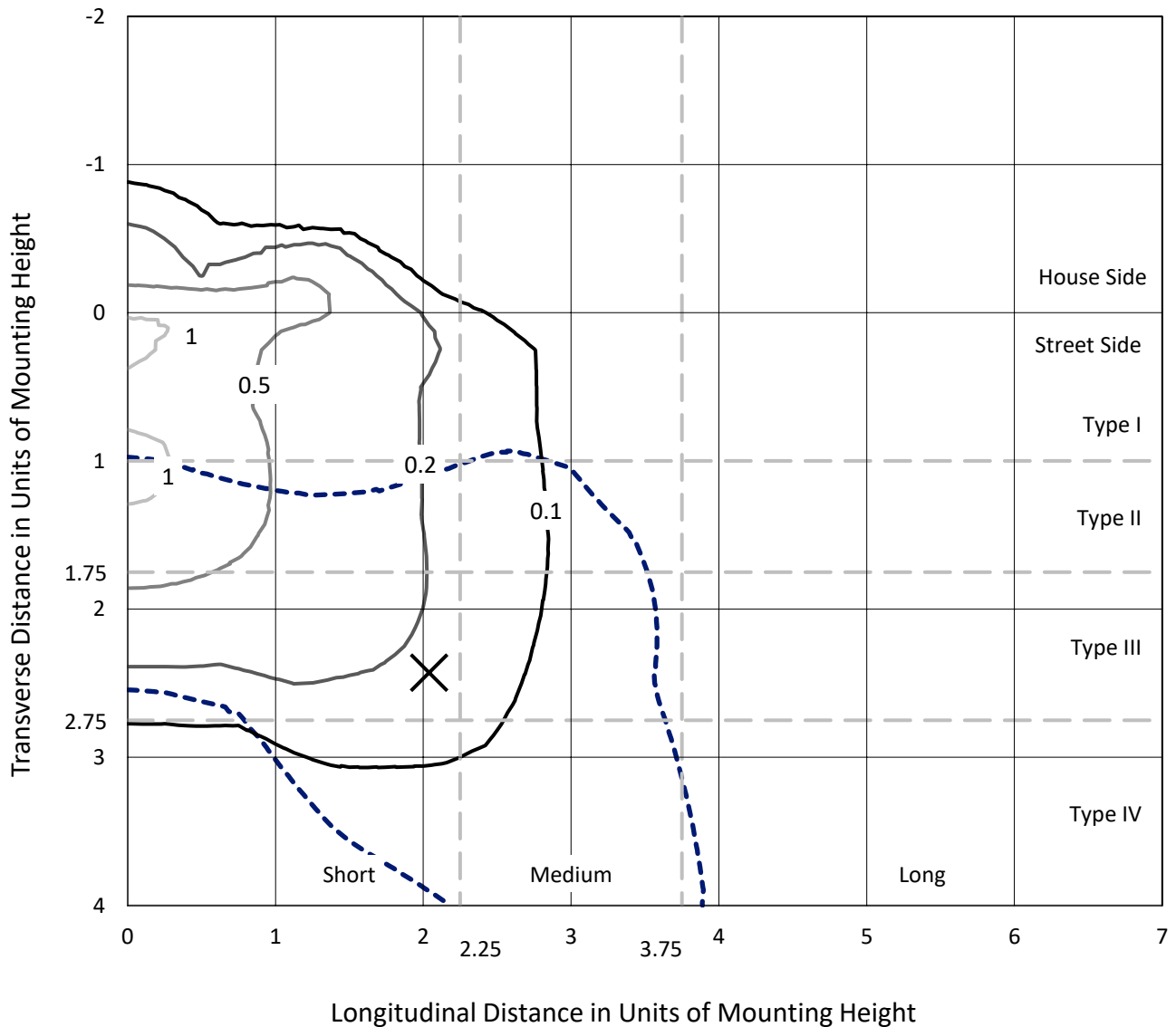
Lumens per Lamp: N/A  
Luminaire Lumens: 4651 lumens  
Efficiency: N/A  
Efficacy: 85.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

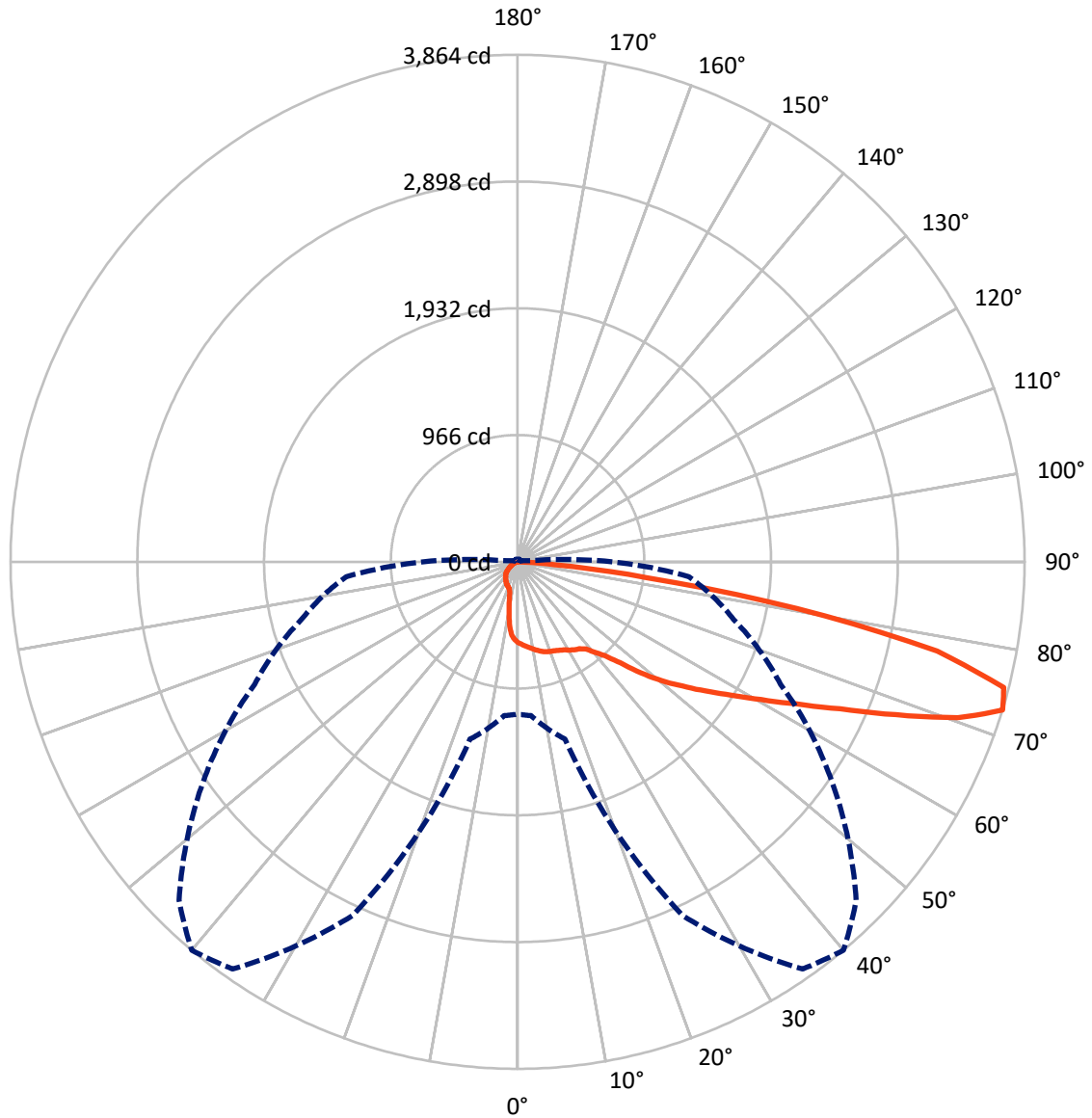
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.6	0.0	600.6
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	4050.4	0.0	4050.4
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	4651.0	0.0	4651.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.2	1.2
10°-20°	152.7	3.3
20°-30°	247.1	5.3
30°-40°	364.9	7.8
40°-50°	614.1	13.2
50°-60°	953.5	20.5
60°-70°	1193.1	25.7
70°-80°	976.8	21.0
80°-90°	92.6	2.0
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°	4651.0	100.0
0°-180°	4651.0	100.0

**Coefficient of Utilization**



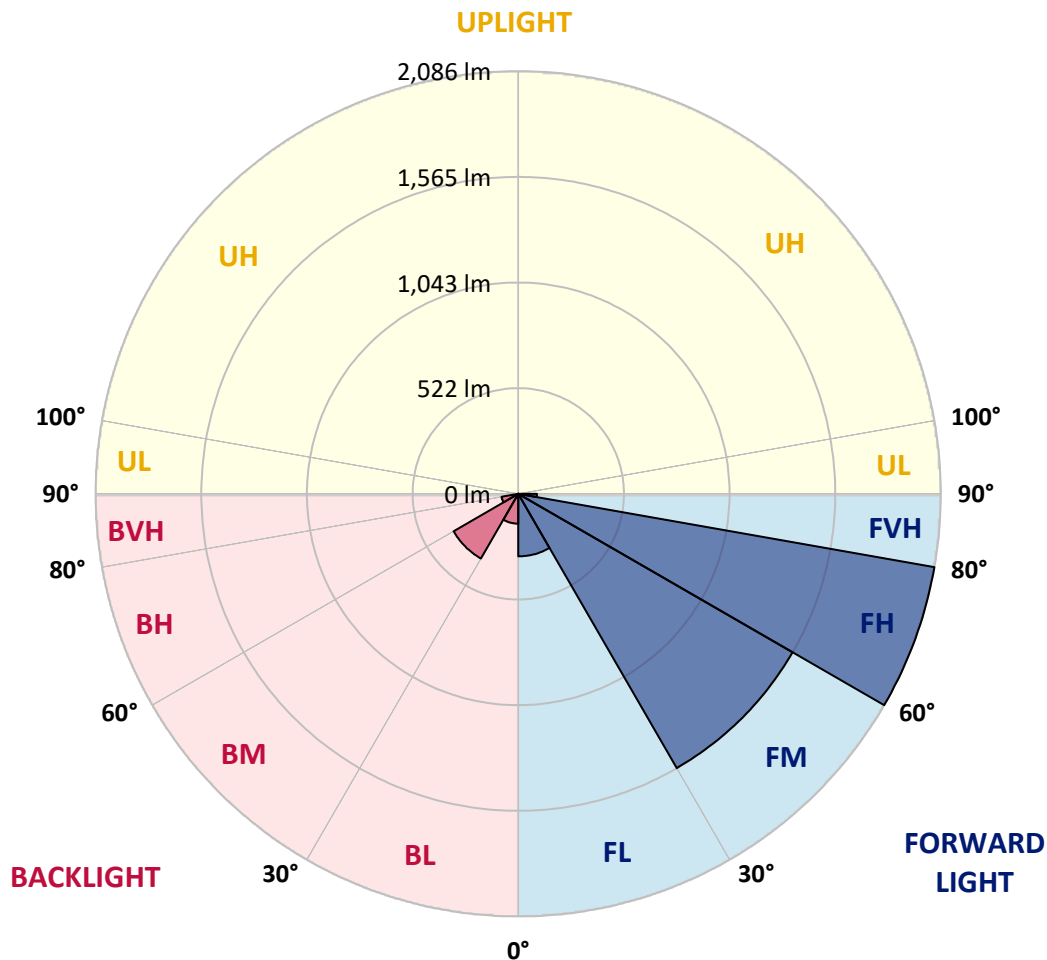
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.7	6.6			
FM (30°-60°)	1563.6	33.6			
FH (60°-80°)	2086.2	44.9			G2/5000
FVH (80°-90°)	91.9	2.0			G1/100
BL (0°-30°)	147.4	3.2	B1/500		
BM (30°-60°)	368.8	7.9	B1/1000		
BH (60°-80°)	83.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	615.8	615.8	615.8	615.8	615.8	615.8	615.8	615.8	615.8	615.8
2.5°	634.4	636.8	635.4	632.6	631.9	630.5	628.8	628.1	625.6	623.5
5°	652.3	654.7	653.0	649.1	647.4	645.6	643.2	641.1	636.1	631.6
7.5°	671.9	674.0	671.9	666.3	663.5	661.4	657.9	654.7	649.1	642.5
10°	693.6	695.3	692.2	684.8	680.3	677.1	674.0	670.5	665.2	657.9
12.5°	713.9	716.0	711.1	702.4	697.1	693.9	690.4	687.6	682.4	675.4
15°	732.5	735.6	727.2	717.8	711.8	709.4	705.9	704.1	700.6	695.7
17.5°	746.5	748.6	739.8	728.6	722.0	720.2	717.8	718.8	718.1	715.7
20°	758.4	759.8	748.2	734.6	727.2	727.6	726.9	730.4	731.8	731.8
22.5°	773.1	773.5	758.8	741.6	732.8	735.3	736.3	740.2	743.0	745.8
25°	792.4	791.7	774.2	750.7	743.0	746.5	748.9	750.3	753.5	758.1
27.5°	821.1	819.0	796.6	765.4	756.3	759.5	764.0	763.3	761.9	765.4
30°	857.5	854.7	825.0	786.1	777.7	780.5	781.9	775.6	765.4	768.6
32.5°	915.3	910.4	869.1	809.2	796.2	799.4	797.6	784.7	769.6	772.8
35°	1015.9	1004.0	945.5	857.5	817.3	813.8	809.5	796.9	778.4	775.2
37.5°	1229.6	1208.5	1108.7	951.8	864.9	842.1	829.2	816.6	787.8	775.2
40°	1470.6	1449.2	1333.9	1109.4	944.1	905.5	874.7	839.7	797.6	779.8
42.5°	1722.1	1698.6	1580.2	1304.9	1057.2	978.0	920.6	858.2	813.8	793.8
45°	2003.0	1973.6	1818.8	1508.7	1221.5	1098.5	994.5	896.4	841.8	818.7
47.5°	2299.4	2261.2	2056.6	1706.7	1398.4	1265.3	1129.7	964.7	883.1	855.8
50°	2562.1	2524.3	2302.2	1913.7	1563.7	1424.0	1283.9	1059.3	945.1	908.3
52.5°	2750.9	2722.2	2525.7	2127.4	1735.7	1572.9	1423.6	1169.3	1023.6	975.6
55°	2877.4	2851.1	2684.0	2329.9	1935.8	1736.8	1561.3	1288.8	1118.2	1056.2
57.5°	2954.1	2939.0	2798.6	2510.6	2134.0	1916.1	1718.9	1420.1	1229.6	1151.1
60°	2981.4	2969.2	2869.7	2683.0	2373.6	2131.6	1904.2	1568.3	1364.8	1259.0
62.5°	2908.6	2911.0	2920.8	2887.2	2626.2	2383.8	2126.3	1746.3	1514.7	1381.2
65°	2565.6	2585.9	2772.3	3113.5	2960.7	2699.8	2409.0	1963.4	1686.4	1520.3
67.5°	2124.2	2153.7	2385.6	3245.9	3317.4	3110.0	2802.8	2240.2	1890.9	1661.8
70°	1626.1	1657.6	1938.6	3218.2	3651.2	3558.4	3289.7	2592.2	2102.9	1759.9
72.5°	1160.5	1176.7	1398.1	2972.0	3788.2	3863.8	3648.4	2925.7	2211.1	1705.6
75°	815.5	812.7	959.5	2393.3	3574.8	3826.7	3522.6	2745.3	2000.9	1355.0
77.5°	355.2	355.9	479.2	1453.4	2853.2	3268.3	2928.2	1719.6	1394.9	718.1
80°	92.1	94.9	175.9	578.7	1717.9	2157.2	1785.8	756.0	644.6	175.2
82.5°	32.6	34.7	80.9	181.8	633.7	989.3	795.2	241.7	168.1	50.1
85°	9.5	11.2	43.4	55.7	131.0	279.5	193.0	46.9	41.3	25.9
87.5°	0.0	1.4	8.8	7.7	7.7	5.3	9.8	5.3	6.7	3.2
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°
615.8	0°	615.8	615.8	615.8	615.8	615.8	615.8	615.8	615.8	615.8	615.8
621.1	2.5°	619.0	616.5	611.3	605.7	600.4	595.5	594.1	588.9	586.4	586.8
626.0	5°	622.1	617.6	607.4	595.2	582.6	568.2	556.3	539.5	525.1	523.4
635.4	7.5°	630.5	623.2	606.7	582.9	551.4	511.8	475.0	438.6	417.9	406.7
649.5	10°	643.5	633.7	608.5	562.9	496.0	425.3	369.6	323.7	300.2	289.3
666.6	12.5°	658.9	648.1	611.3	529.0	424.6	331.7	271.5	243.5	238.6	237.9
687.6	15°	680.6	668.7	614.4	483.1	347.1	252.6	224.9	225.2	229.1	231.2
710.4	17.5°	704.8	692.9	609.9	427.0	270.8	215.8	215.1	218.2	223.8	225.9
731.4	20°	729.3	718.1	593.8	361.2	218.9	205.6	208.4	211.9	217.5	220.3
752.1	22.5°	754.5	744.7	568.2	291.1	197.6	198.3	201.8	205.3	211.6	214.7
772.4	25°	781.5	773.1	534.2	233.3	188.5	190.6	195.1	199.3	206.0	209.8
789.6	27.5°	808.8	802.5	495.7	194.8	180.1	182.5	187.8	193.4	200.0	204.6
804.6	30°	838.6	835.1	464.9	180.4	172.0	174.1	180.1	186.4	193.7	199.3
819.7	32.5°	869.1	868.4	449.8	190.9	164.6	166.0	171.3	177.6	186.7	193.7
832.3	35°	899.2	900.6	441.0	220.7	162.2	158.3	161.8	167.4	178.3	187.1
846.7	37.5°	937.8	941.3	440.7	252.9	168.1	150.6	153.1	156.9	166.4	176.6
869.1	40°	995.2	1013.8	463.1	280.6	178.7	143.6	144.3	145.0	149.9	158.3
898.9	42.5°	1071.6	1125.9	544.0	299.5	182.9	137.3	134.9	131.0	130.3	134.9
939.5	45°	1166.5	1261.4	686.2	310.0	178.7	130.3	123.7	113.5	109.6	112.8
994.5	47.5°	1278.3	1410.0	854.7	312.5	171.6	121.6	109.6	96.3	93.2	94.2
1068.4	50°	1387.2	1521.4	1002.9	292.2	160.1	110.3	94.2	83.0	80.9	81.3
1155.6	52.5°	1483.5	1559.5	1044.9	244.2	144.7	96.7	80.9	73.2	71.8	71.8
1252.0	55°	1547.3	1518.2	931.8	186.7	125.4	82.7	69.4	65.5	64.8	64.5
1359.5	57.5°	1560.6	1383.7	703.8	134.9	98.1	69.7	61.7	59.6	58.2	56.7
1469.9	60°	1513.0	1159.5	448.0	94.2	73.6	59.6	54.6	53.2	50.4	47.6
1573.6	62.5°	1410.0	875.8	248.0	65.5	59.2	50.8	48.3	46.6	41.3	36.8
1655.9	65°	1271.6	582.2	109.6	51.1	48.3	42.7	41.3	38.9	32.6	27.3
1687.1	67.5°	1132.5	335.2	49.4	41.0	38.9	35.0	34.0	32.2	27.7	22.8
1607.5	70°	973.8	169.9	34.0	32.6	30.1	26.6	27.7	27.3	22.8	18.6
1311.2	72.5°	725.1	84.4	25.6	24.5	21.7	18.9	22.8	22.4	17.9	14.0
808.5	75°	410.6	41.7	18.6	17.2	13.0	14.0	18.2	17.2	12.3	9.1
341.2	77.5°	162.9	21.4	12.3	10.5	7.7	9.5	13.3	11.6	6.3	3.9
65.2	80°	37.5	10.5	6.3	4.6	3.5	5.6	7.0	4.2	1.8	0.4
17.5	82.5°	10.5	4.6	2.1	1.8	1.8	2.1	1.8	0.7	0.0	0.0
4.6	85°	3.5	2.1	0.7	0.4	0.4	0.4	0.4	0.0	0.0	0.0
1.4	87.5°	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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615.8
586.4
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