

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: P846337

Luminaire Tested: **GLAN-SB1D-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5386 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

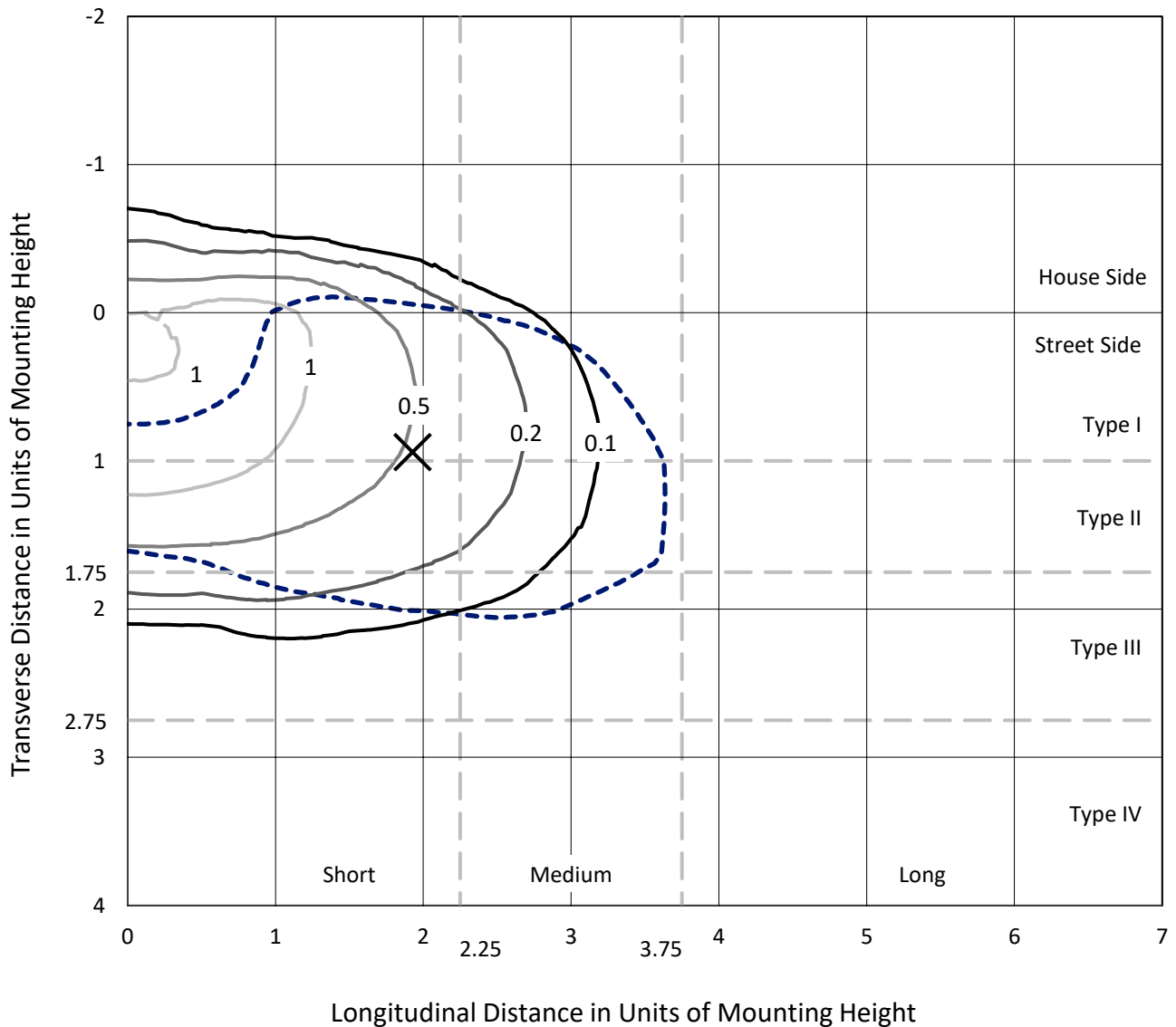
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

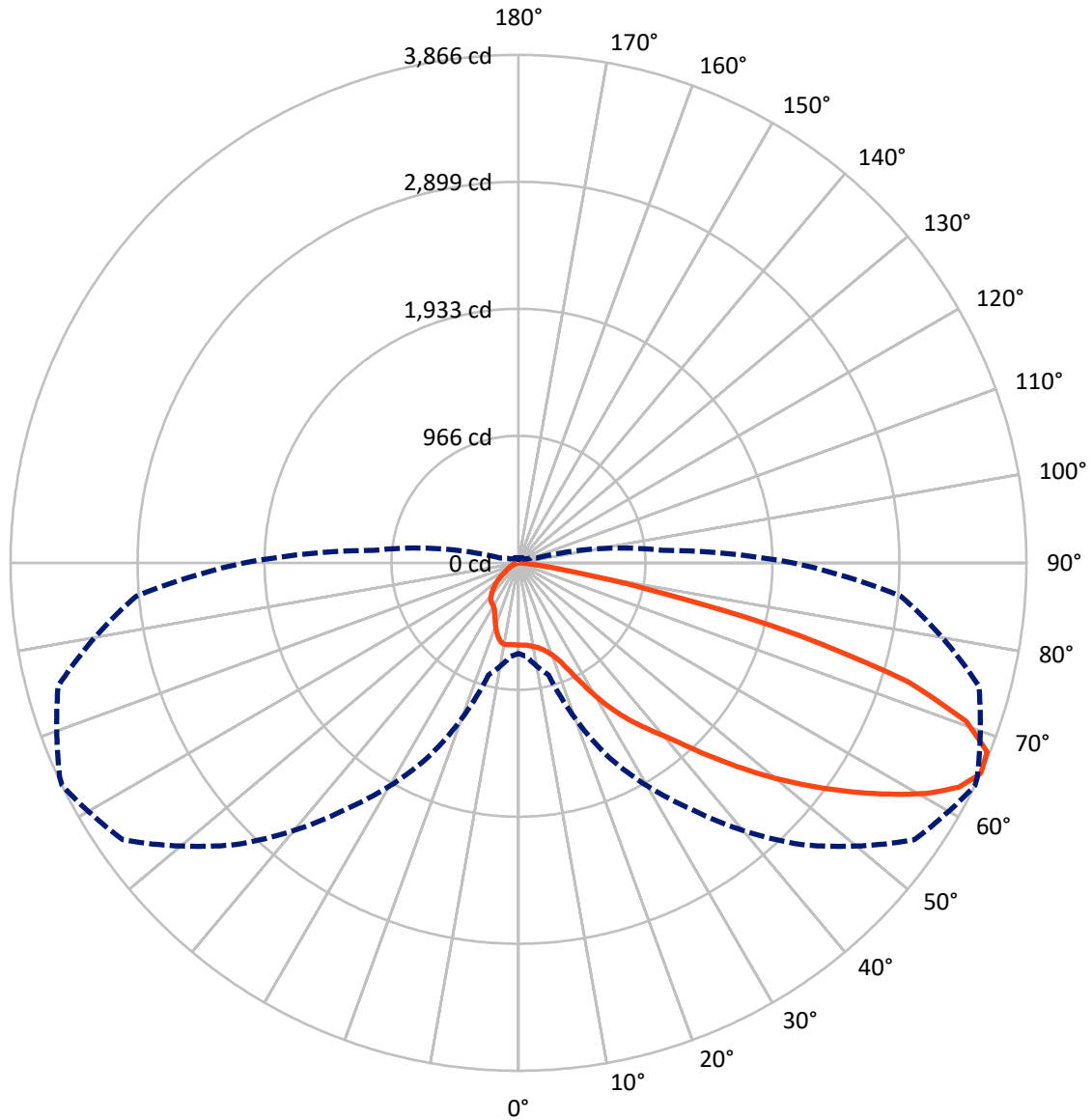
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	720.3	0.0	720.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	4665.7	0.0	4665.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	5386.0	0.0	5386.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	1.1
10°-20°	156.8	2.9
20°-30°	297.0	5.5
30°-40°	601.1	11.2
40°-50°	1023.9	19.0
50°-60°	1392.5	25.9
60°-70°	1307.6	24.3
70°-80°	523.9	9.7
80°-90°	25.4	0.5
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°	5386.0	100.0
0°-180°	5386.0	100.0

Coefficient of Utilization



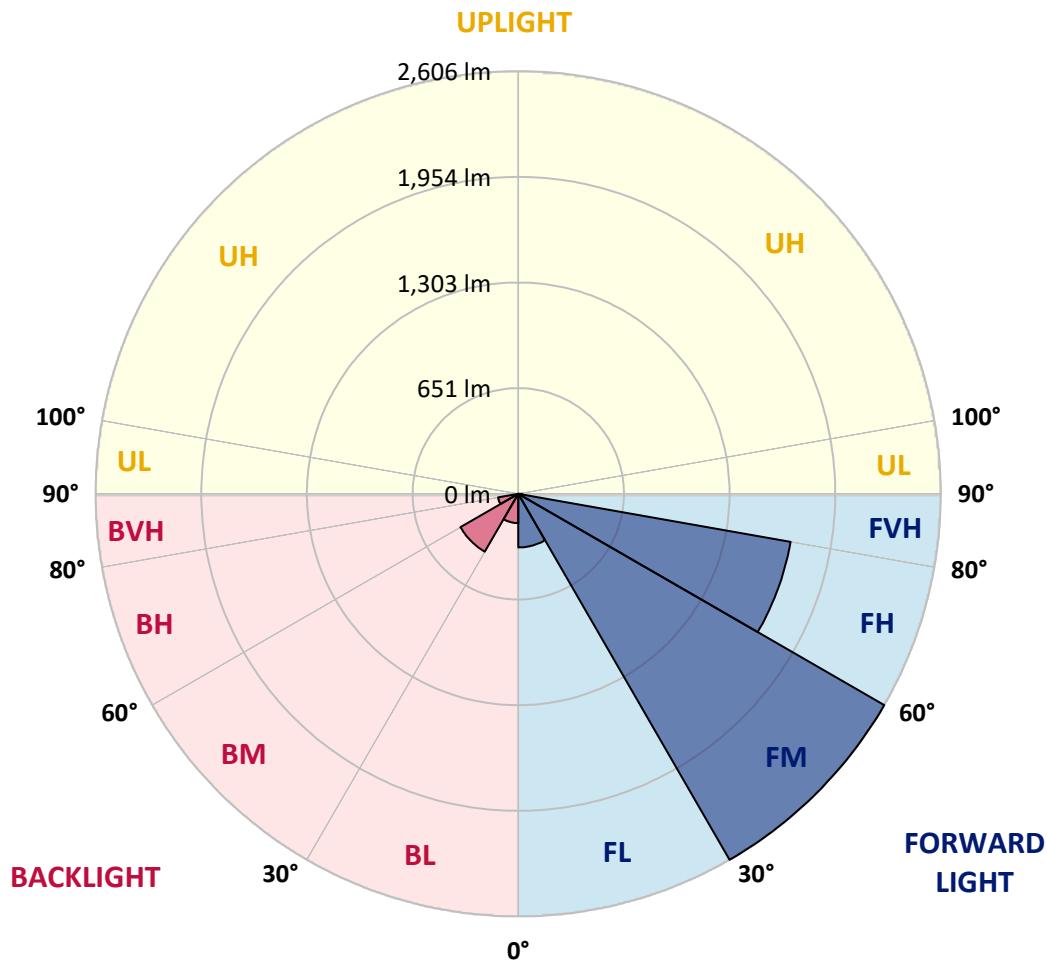
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.8	6.1			
FM (30°-60°)	2605.7	48.4			
FH (60°-80°)	1705.1	31.7			G1/1800
FVH (80°-90°)	24.1	0.4			G1/100
BL (0°-30°)	180.8	3.4	B1/500		
BM (30°-60°)	411.8	7.6	B1/1000		
BH (60°-80°)	126.4	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	626.4	626.4	626.4	626.4	626.4	626.4	626.4	626.4	626.4	626.4
2.5°	624.3	628.6	627.5	626.4	626.1	626.8	627.2	626.8	626.8	626.8
5°	612.4	616.0	616.0	618.5	622.1	626.4	629.7	630.4	631.1	632.2
7.5°	589.6	592.5	594.7	603.0	612.0	623.6	633.3	638.4	639.1	643.1
10°	574.1	577.7	581.3	590.0	603.0	620.3	636.9	649.2	651.0	660.4
12.5°	573.4	577.0	581.7	591.1	606.2	624.6	644.9	662.6	665.8	679.5
15°	581.0	585.3	589.6	601.2	617.4	639.8	661.5	683.5	686.7	706.2
17.5°	596.5	602.3	605.5	617.1	634.4	659.3	687.8	713.1	716.0	738.7
20°	627.2	634.0	635.1	644.5	661.5	688.2	722.1	753.5	757.2	783.1
22.5°	690.7	700.5	691.8	696.5	711.7	738.4	775.2	814.9	820.0	849.6
25°	802.6	816.4	794.0	786.0	792.5	820.3	866.6	916.7	922.5	946.4
27.5°	1022.5	1004.8	970.9	937.7	918.2	934.1	986.1	1048.2	1055.4	1078.5
30°	1264.1	1248.6	1202.7	1129.1	1082.8	1080.3	1128.3	1197.7	1206.0	1228.0
32.5°	1506.0	1491.2	1441.4	1350.7	1270.6	1230.9	1264.1	1341.0	1345.3	1359.4
35°	1743.9	1728.8	1679.0	1586.2	1487.6	1397.3	1390.8	1477.5	1478.9	1493.7
37.5°	1983.3	1970.7	1917.6	1826.6	1729.5	1604.9	1544.6	1606.7	1608.5	1623.0
40°	2154.1	2159.5	2123.1	2052.7	1969.2	1833.1	1717.2	1744.3	1733.5	1757.7
42.5°	2300.7	2311.5	2279.8	2244.4	2196.0	2076.1	1931.0	1926.3	1909.0	1921.9
45°	2427.4	2436.5	2407.9	2399.6	2398.6	2314.4	2164.6	2136.4	2112.2	2109.7
47.5°	2474.0	2491.3	2503.6	2531.4	2585.6	2550.2	2406.1	2362.4	2335.4	2315.5
50°	2491.7	2510.1	2552.0	2632.9	2761.1	2776.2	2646.6	2597.5	2564.3	2528.2
52.5°	2467.9	2500.7	2557.1	2693.2	2879.1	2957.5	2877.3	2834.4	2796.4	2737.6
55°	2327.4	2360.3	2475.5	2692.5	2938.0	3084.6	3095.4	3076.3	3033.7	2940.9
57.5°	2031.4	2080.1	2262.4	2600.8	2936.9	3194.0	3309.2	3322.9	3275.2	3142.3
60°	1621.2	1687.3	1909.7	2397.5	2846.3	3253.2	3496.6	3565.2	3514.6	3340.9
62.5°	1131.2	1207.8	1418.3	2079.0	2639.0	3210.6	3633.4	3760.1	3721.9	3518.6
65°	690.0	714.5	884.2	1636.0	2286.6	3032.2	3675.6	3865.6	3852.9	3627.3
67.5°	459.6	480.2	529.0	1121.8	1775.0	2675.9	3574.5	3847.1	3850.8	3609.6
70°	276.9	294.6	326.4	652.4	1150.4	2118.0	3261.5	3612.5	3633.4	3373.1
72.5°	114.1	126.0	154.9	295.7	595.8	1344.2	2597.1	3101.5	3150.3	2836.2
75°	64.6	70.8	91.0	148.4	258.5	626.4	1573.2	2201.8	2273.6	1954.8
77.5°	43.0	45.9	58.9	96.0	145.5	213.8	672.3	1147.1	1284.3	1067.7
80°	28.9	31.4	40.4	64.3	94.6	91.7	214.1	425.0	522.8	366.8
82.5°	19.5	19.9	28.9	42.2	59.9	44.4	63.2	132.1	166.1	106.2
85°	11.2	10.8	21.3	24.6	26.7	18.4	19.1	39.7	52.0	44.8
87.5°	1.4	2.2	8.3	6.5	3.6	4.0	4.0	6.9	10.1	10.8
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°
626.4	0°	626.4	626.4	626.4	626.4	626.4	626.4	626.4	626.4	626.4	626.4
627.2	2.5°	627.2	626.8	625.7	624.6	622.1	620.7	621.4	620.7	620.3	620.7
631.9	5°	631.9	630.8	627.9	624.3	619.2	613.1	609.1	603.3	597.9	594.7
644.5	7.5°	644.5	643.4	639.4	629.3	613.1	587.5	564.0	543.4	527.9	518.9
664.7	10°	664.7	662.9	656.8	634.4	591.8	535.8	489.2	450.6	425.3	413.4
688.6	12.5°	688.6	686.4	675.6	629.7	551.3	464.0	399.7	356.7	333.3	322.8
716.0	15°	716.7	713.8	692.5	607.3	492.5	384.5	325.7	293.5	278.4	269.0
751.0	17.5°	751.7	746.7	705.2	573.7	428.6	323.9	280.2	256.0	242.6	233.6
796.9	20°	797.2	788.9	715.3	533.7	369.7	285.6	249.5	229.3	219.2	211.2
861.9	22.5°	860.8	848.9	727.5	490.3	328.2	259.2	226.7	211.9	203.6	194.6
952.5	25°	939.5	925.4	742.7	450.2	299.7	236.5	210.1	197.9	188.1	177.6
1071.3	27.5°	1049.6	1024.3	760.8	417.4	275.1	217.0	195.0	181.3	170.1	161.4
1206.0	30°	1172.4	1130.9	776.7	397.5	252.7	198.9	175.1	161.4	150.9	144.8
1326.9	32.5°	1288.6	1232.3	787.1	388.9	232.5	178.4	153.5	138.6	130.7	128.9
1445.3	35°	1398.4	1324.0	786.0	380.6	214.5	157.8	132.1	117.0	110.8	111.9
1572.8	37.5°	1524.8	1421.9	778.5	367.6	199.7	139.0	113.7	100.4	95.0	95.3
1727.7	40°	1671.7	1534.9	773.8	343.0	183.4	121.7	98.6	87.7	83.8	82.3
1890.9	42.5°	1828.4	1644.3	774.5	315.2	163.2	106.2	88.1	79.1	75.5	74.4
2072.5	45°	1985.9	1748.6	775.6	286.3	141.9	94.2	80.5	72.9	70.8	69.3
2256.7	47.5°	2133.9	1837.5	755.3	255.3	121.0	85.2	74.4	69.3	67.5	65.7
2441.5	50°	2271.8	1896.7	706.6	219.2	104.3	78.0	69.7	66.1	64.3	62.5
2609.1	52.5°	2379.1	1906.1	626.1	182.0	92.8	72.6	66.8	63.5	61.4	59.6
2744.5	55°	2426.7	1847.2	511.6	147.3	83.8	67.9	63.9	60.7	58.1	56.3
2851.0	57.5°	2414.4	1723.4	399.0	118.4	75.1	63.2	60.3	58.1	55.2	52.4
2937.3	60°	2354.1	1557.6	300.8	98.6	67.2	58.1	56.3	54.5	50.5	46.2
2970.5	62.5°	2249.8	1349.3	214.5	81.6	58.5	52.4	51.6	50.2	44.4	36.5
2921.4	65°	2090.2	1096.2	144.4	67.9	50.2	45.9	46.2	43.7	36.1	27.1
2741.6	67.5°	1857.0	801.6	92.4	55.6	41.9	38.3	38.6	37.2	30.7	23.1
2400.7	70°	1559.8	530.8	60.3	42.2	33.6	29.6	31.8	32.1	26.0	18.8
1842.5	72.5°	1143.5	313.4	42.2	31.4	24.6	20.6	26.0	26.7	20.9	14.1
1108.5	75°	651.7	148.8	31.8	22.7	15.2	14.4	20.2	20.2	14.4	9.4
479.9	77.5°	273.7	62.1	22.4	14.8	8.7	8.3	13.7	12.6	7.2	4.3
117.0	80°	79.1	27.8	11.9	7.2	3.6	3.2	5.4	4.0	1.8	0.7
44.4	82.5°	31.1	12.3	4.7	2.9	1.4	1.4	0.7	0.0	0.0	0.0
25.3	85°	18.4	5.1	2.2	1.1	0.4	0.0	0.0	0.0	0.0	0.0
5.4	87.5°	4.7	1.1	0.7	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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626.4
622.1
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