

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: P846377

Luminaire Tested: **GLAN-SB2A-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846377
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-SB2A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5502 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

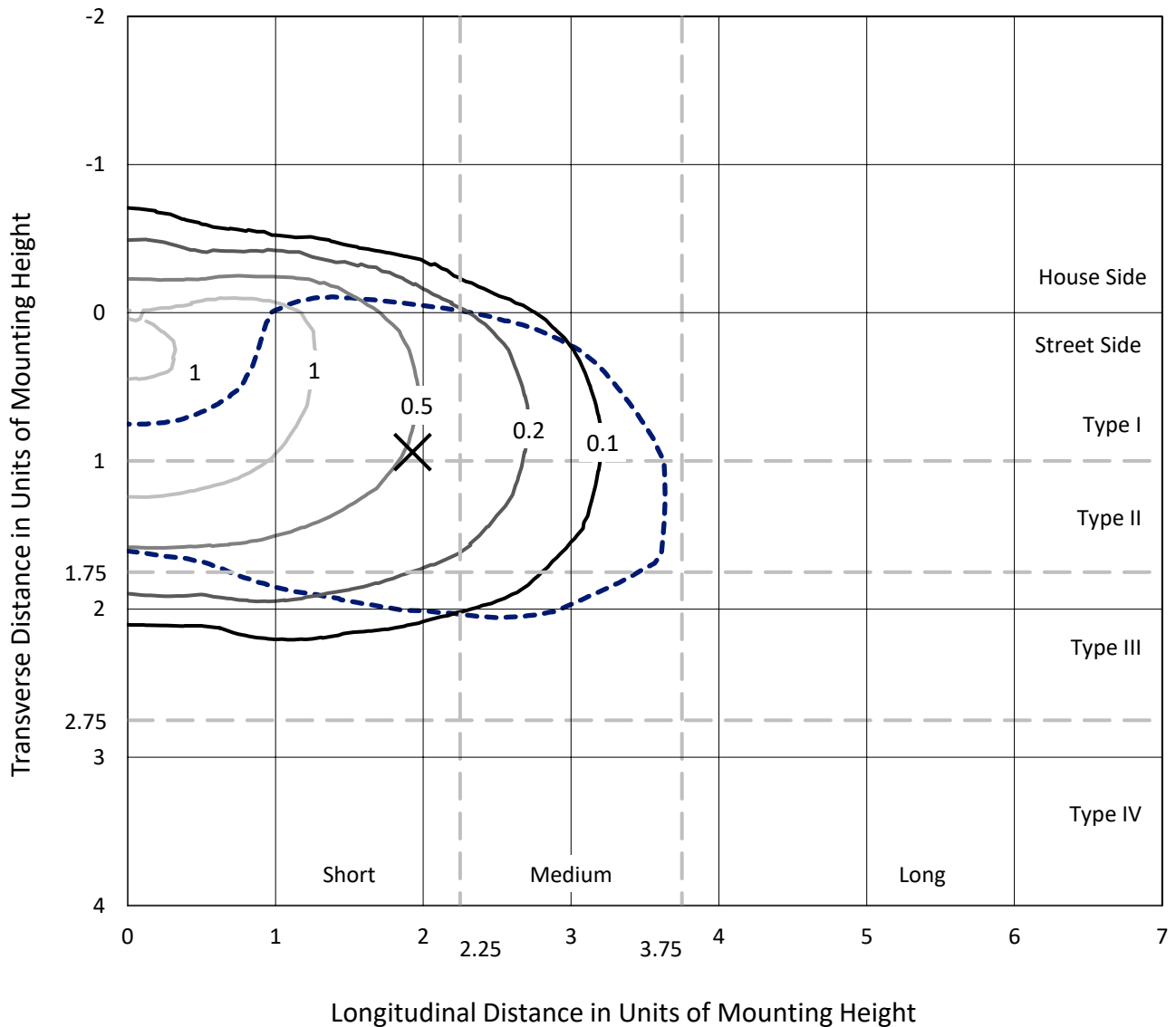
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

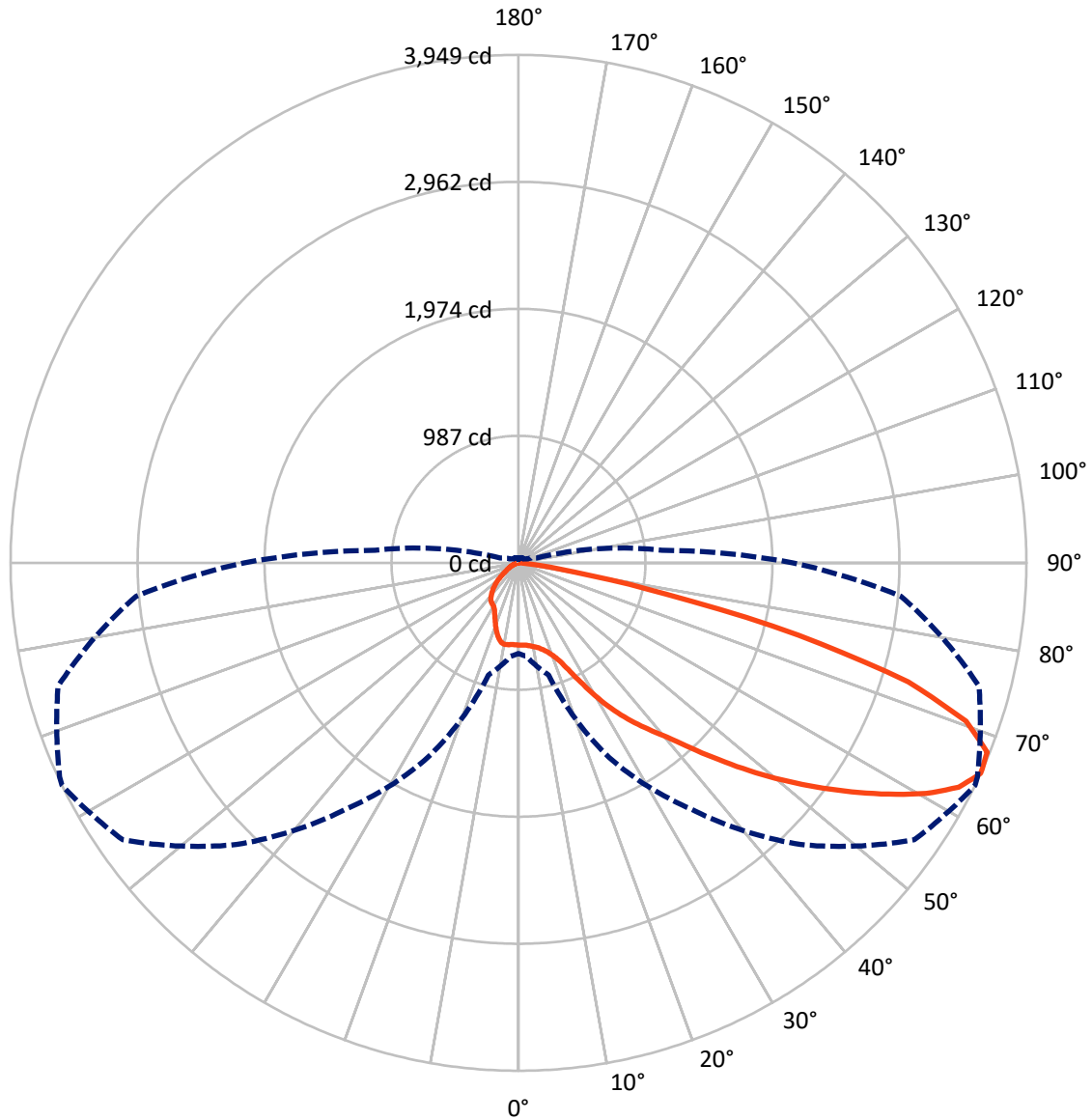
✕ Max cd
 - - - 1/2 Max cd



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	735.8	0.0	735.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	4766.2	0.0	4766.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	5502.0	0.0	5502.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.1
10°-20°	160.1	2.9
20°-30°	303.4	5.5
30°-40°	614.0	11.2
40°-50°	1046.0	19.0
50°-60°	1422.5	25.9
60°-70°	1335.8	24.3
70°-80°	535.2	9.7
80°-90°	25.9	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°	5502.0	100.0
0°-180°	5502.0	100.0

Coefficient of Utilization



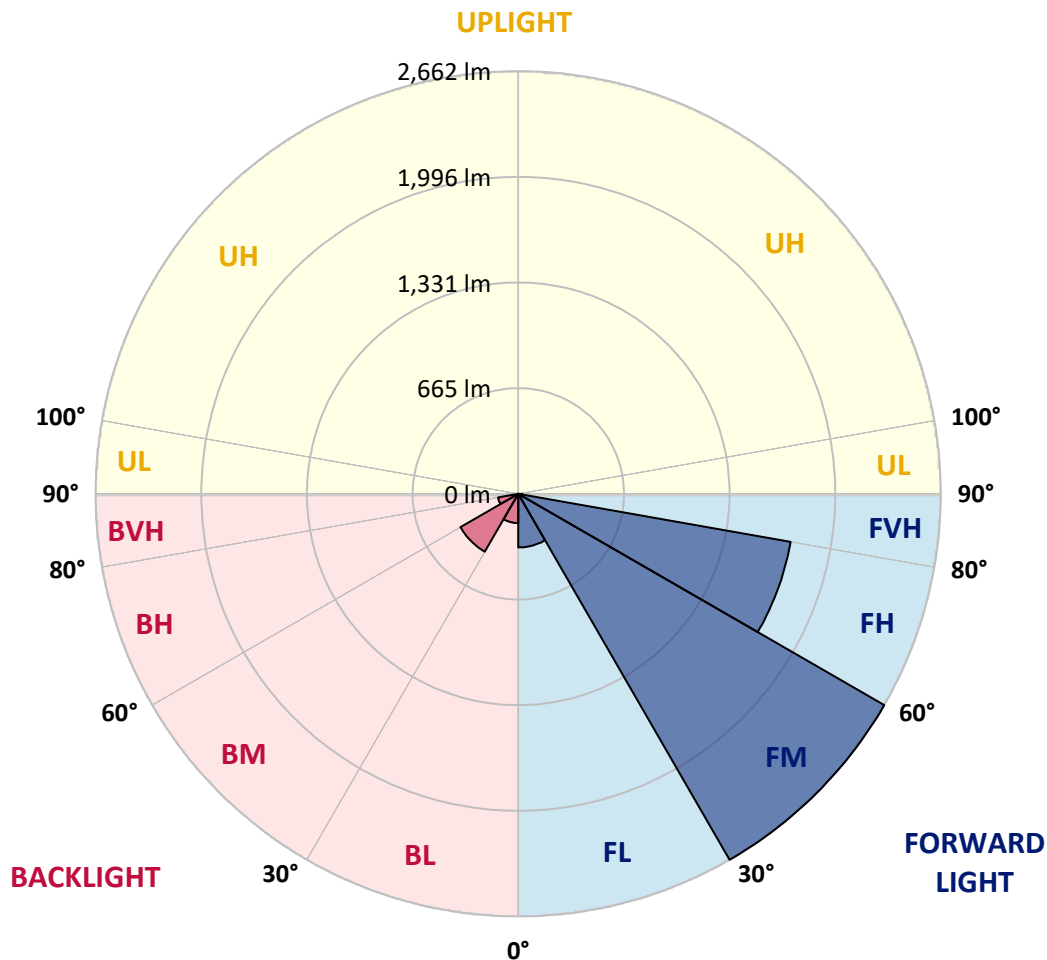
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	337.9	6.1			
FM (30°-60°)	2661.9	48.4			
FH (60°-80°)	1741.8	31.7			G1/1800
FVH (80°-90°)	24.7	0.4			G1/100
BL (0°-30°)	184.7	3.4	B1/500		
BM (30°-60°)	420.6	7.6	B1/1000		
BH (60°-80°)	129.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	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°	639.9	639.9	639.9	639.9	639.9	639.9	639.9	639.9	639.9	639.9
2.5°	637.7	642.2	641.0	639.9	639.6	640.3	640.7	640.3	640.3	640.3
5°	625.6	629.2	629.2	631.8	635.5	639.9	643.3	644.0	644.7	645.8
7.5°	602.3	605.3	607.5	616.0	625.2	637.0	646.9	652.1	652.8	656.9
10°	586.5	590.1	593.8	602.7	616.0	633.7	650.6	663.2	665.0	674.6
12.5°	585.7	589.4	594.2	603.8	619.3	638.1	658.8	676.8	680.1	694.2
15°	593.5	597.9	602.3	614.1	630.7	653.6	675.7	698.2	701.5	721.5
17.5°	609.3	615.2	618.5	630.3	648.1	673.5	702.6	728.5	731.4	754.6
20°	640.7	647.7	648.8	658.4	675.7	703.0	737.7	769.8	773.5	800.0
22.5°	705.6	715.6	706.7	711.5	727.0	754.3	791.9	832.5	837.6	867.9
25°	819.9	834.0	811.1	803.0	809.6	838.0	885.2	936.5	942.4	966.7
27.5°	1044.6	1026.5	991.8	957.9	938.0	954.2	1007.3	1070.7	1078.1	1101.7
30°	1291.3	1275.5	1228.6	1153.4	1106.2	1103.6	1152.6	1223.4	1231.9	1254.4
32.5°	1538.4	1523.3	1472.4	1379.8	1298.0	1257.4	1291.3	1369.9	1374.3	1388.7
35°	1781.5	1766.0	1715.1	1620.3	1519.6	1427.4	1420.8	1509.3	1510.8	1525.9
37.5°	2026.0	2013.1	1958.9	1866.0	1766.8	1639.5	1577.9	1641.3	1643.2	1657.9
40°	2200.5	2206.0	2168.8	2096.9	2011.7	1872.6	1754.2	1781.9	1770.8	1795.5
42.5°	2350.3	2361.3	2328.9	2292.7	2243.3	2120.8	1972.6	1967.8	1950.1	1963.3
45°	2479.7	2488.9	2459.8	2451.3	2450.2	2364.3	2211.2	2182.4	2157.7	2155.1
47.5°	2527.3	2545.0	2557.5	2585.9	2641.3	2605.1	2458.0	2413.3	2385.7	2365.4
50°	2545.4	2564.2	2607.0	2689.6	2820.5	2836.0	2703.6	2653.4	2619.5	2582.6
52.5°	2521.0	2554.6	2612.1	2751.2	2941.1	3021.2	2939.3	2895.4	2856.7	2796.6
55°	2377.6	2411.1	2528.8	2750.4	3001.3	3151.0	3162.1	3142.5	3099.0	3004.2
57.5°	2075.1	2124.9	2311.2	2656.8	3000.2	3262.8	3380.4	3394.4	3345.8	3210.0
60°	1656.1	1723.6	1950.8	2449.1	2907.6	3323.3	3571.9	3641.9	3590.3	3412.9
62.5°	1155.6	1233.8	1448.8	2123.8	2695.9	3279.7	3711.7	3841.1	3802.0	3594.4
65°	704.9	729.9	903.3	1671.2	2335.9	3097.5	3754.8	3948.8	3935.9	3705.4
67.5°	469.5	490.6	540.4	1146.0	1813.2	2733.5	3651.5	3930.0	3933.7	3687.3
70°	282.9	301.0	333.4	666.5	1175.1	2163.6	3331.7	3690.3	3711.7	3445.7
72.5°	116.6	128.7	158.2	302.1	608.6	1373.2	2653.1	3168.3	3218.1	2897.2
75°	66.0	72.3	92.9	151.6	264.1	639.9	1607.0	2249.2	2322.6	1996.9
77.5°	43.9	46.8	60.1	98.1	148.6	218.4	686.8	1171.8	1312.0	1090.7
80°	29.5	32.1	41.3	65.7	96.6	93.7	218.7	434.1	534.1	374.7
82.5°	19.9	20.3	29.5	43.2	61.2	45.4	64.5	135.0	169.7	108.4
85°	11.4	11.1	21.8	25.1	27.3	18.8	19.5	40.6	53.1	45.7
87.5°	1.5	2.2	8.5	6.6	3.7	4.1	4.1	7.0	10.3	11.1
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°
639.9	0°	639.9	639.9	639.9	639.9	639.9	639.9	639.9	639.9	639.9	639.9
640.7	2.5°	640.7	640.3	639.2	638.1	635.5	634.0	634.8	634.0	633.7	634.0
645.5	5°	645.5	644.4	641.4	637.7	632.6	626.3	622.2	616.3	610.8	607.5
658.4	7.5°	658.4	657.3	653.2	642.9	626.3	600.1	576.1	555.1	539.2	530.0
679.0	10°	679.0	677.2	670.9	648.1	604.5	547.4	499.8	460.3	434.5	422.3
703.4	12.5°	703.4	701.2	690.1	643.3	563.2	474.0	408.3	364.4	340.4	329.7
731.4	15°	732.2	729.2	707.4	620.4	503.1	392.8	332.7	299.9	284.4	274.8
767.2	17.5°	767.9	762.8	720.3	586.1	437.8	330.9	286.2	261.5	247.9	238.6
814.0	20°	814.4	805.9	730.7	545.1	377.7	291.8	254.9	234.2	223.9	215.8
880.4	22.5°	879.3	867.1	743.2	500.9	335.3	264.8	231.6	216.5	208.0	198.8
973.0	25°	959.7	945.3	758.7	459.9	306.1	241.6	214.7	202.1	192.2	181.5
1094.4	27.5°	1072.2	1046.4	777.1	426.4	281.1	221.7	199.2	185.2	173.7	164.9
1231.9	30°	1197.6	1155.2	793.4	406.1	258.2	203.2	178.9	164.9	154.2	147.9
1355.5	32.5°	1316.4	1258.9	804.1	397.2	237.5	182.2	156.8	141.6	133.5	131.7
1476.5	35°	1428.5	1352.5	803.0	388.8	219.1	161.2	135.0	119.5	113.2	114.3
1606.7	37.5°	1557.6	1452.5	795.2	375.5	204.0	142.0	116.2	102.5	97.0	97.4
1764.9	40°	1707.7	1567.9	790.4	350.4	187.4	124.3	100.7	89.6	85.6	84.1
1931.6	42.5°	1867.8	1679.7	791.2	322.0	166.7	108.4	90.0	80.8	77.1	76.0
2117.1	45°	2028.6	1786.3	792.3	292.5	145.0	96.3	82.3	74.5	72.3	70.8
2305.3	47.5°	2179.9	1877.0	771.6	260.8	123.6	87.0	76.0	70.8	69.0	67.1
2494.1	50°	2320.7	1937.5	721.8	223.9	106.6	79.7	71.2	67.5	65.7	63.8
2665.2	52.5°	2430.3	1947.1	639.6	185.9	94.8	74.1	68.2	64.9	62.7	60.9
2803.6	55°	2479.0	1887.0	522.6	150.5	85.6	69.3	65.3	62.0	59.4	57.5
2912.4	57.5°	2466.4	1760.5	407.6	121.0	76.7	64.5	61.6	59.4	56.4	53.5
3000.5	60°	2404.8	1591.2	307.2	100.7	68.6	59.4	57.5	55.7	51.6	47.2
3034.5	62.5°	2298.3	1378.4	219.1	83.4	59.8	53.5	52.7	51.3	45.4	37.3
2984.3	65°	2135.2	1119.8	147.5	69.3	51.3	46.8	47.2	44.6	36.9	27.7
2800.6	67.5°	1897.0	818.8	94.4	56.8	42.8	39.1	39.5	38.0	31.4	23.6
2452.4	70°	1593.4	542.2	61.6	43.2	34.3	30.2	32.5	32.8	26.6	19.2
1882.2	72.5°	1168.1	320.2	43.2	32.1	25.1	21.0	26.6	27.3	21.4	14.4
1132.3	75°	665.8	152.0	32.5	23.2	15.5	14.8	20.7	20.7	14.8	9.6
490.2	77.5°	279.6	63.4	22.9	15.1	8.9	8.5	14.0	12.9	7.4	4.4
119.5	80°	80.8	28.4	12.2	7.4	3.7	3.3	5.5	4.1	1.8	0.7
45.4	82.5°	31.7	12.5	4.8	3.0	1.5	1.5	0.7	0.0	0.0	0.0
25.8	85°	18.8	5.2	2.2	1.1	0.4	0.0	0.0	0.0	0.0	0.0
5.5	87.5°	4.8	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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639.9
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