

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: P846297

Luminaire Tested: **GLAN-SB1D-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846297
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-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 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: 6610 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

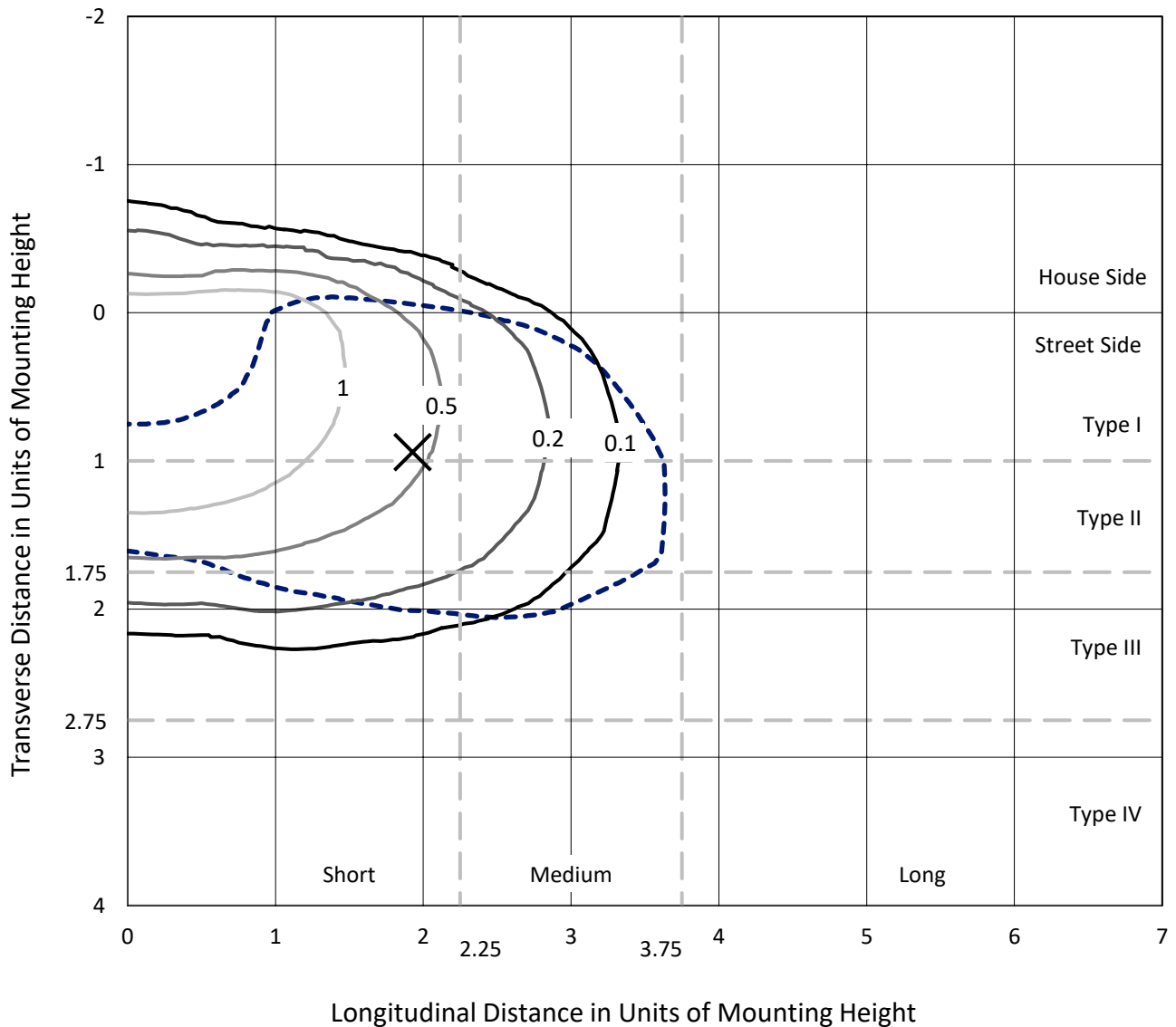
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

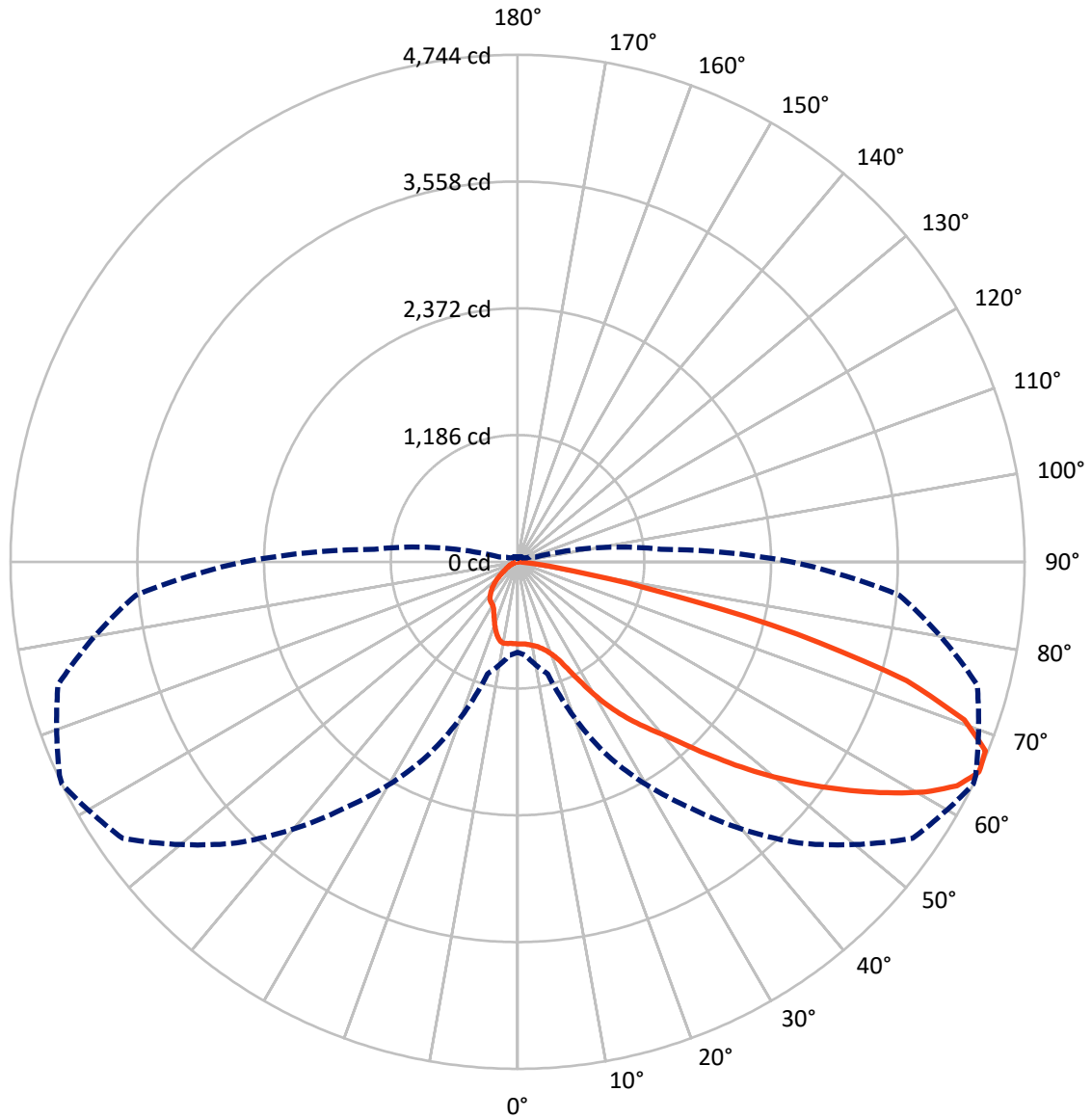
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	883.9	0.0	883.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5726.0	0.0	5726.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	6610.0	0.0	6610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	1.1
10°-20°	192.4	2.9
20°-30°	364.6	5.5
30°-40°	737.7	11.2
40°-50°	1256.6	19.0
50°-60°	1708.9	25.9
60°-70°	1604.8	24.3
70°-80°	642.9	9.7
80°-90°	31.1	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°	6610.0	100.0
0°-180°	6610.0	100.0

Coefficient of Utilization



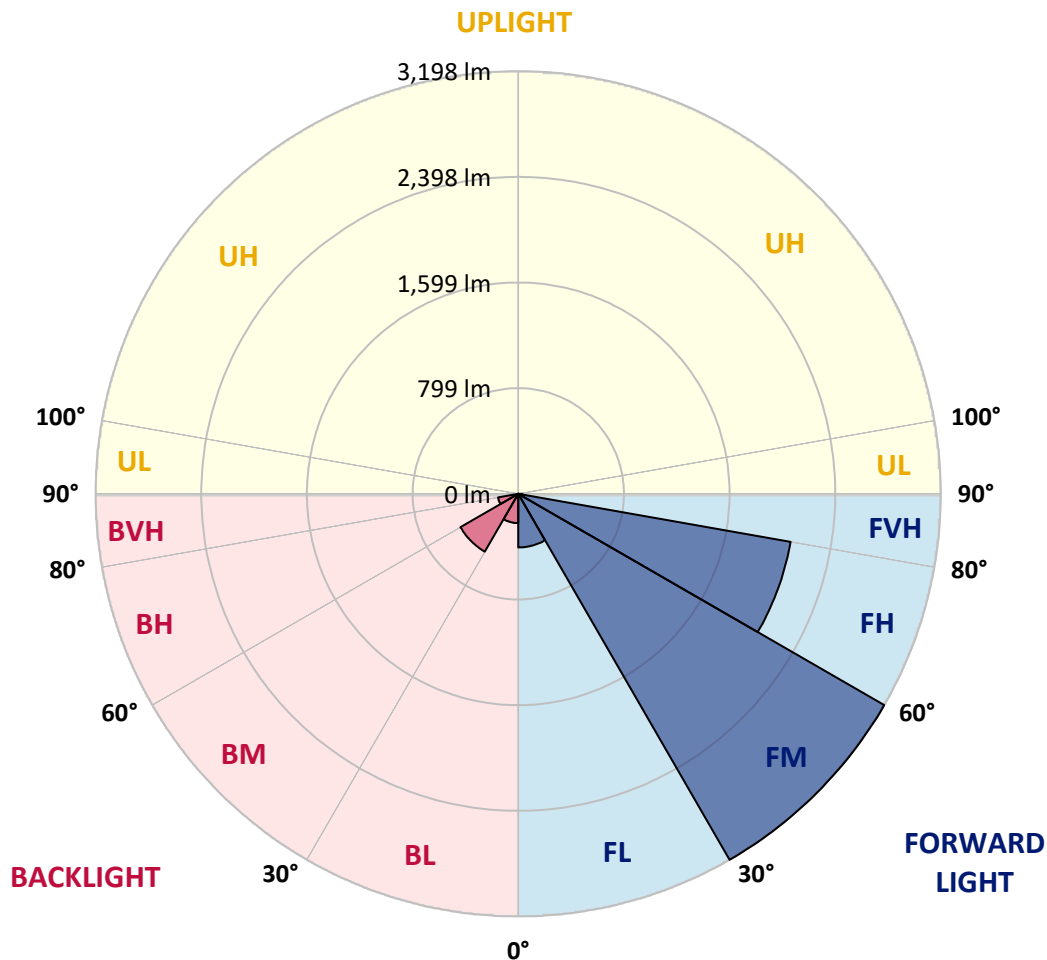
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	405.9	6.1			
FM (30°-60°)	3197.9	48.4			
FH (60°-80°)	2092.6	31.7			G2/5000
FVH (80°-90°)	29.6	0.4			G1/100
BL (0°-30°)	221.9	3.4	B1/500		
BM (30°-60°)	505.3	7.6	B1/1000		
BH (60°-80°)	155.1	2.3	B1/500		G1/500
BVH (80°-90°)	1.5	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8
2.5°	766.2	771.5	770.1	768.8	768.4	769.3	769.7	769.3	769.3	769.3
5°	751.5	756.0	756.0	759.1	763.5	768.8	772.8	773.7	774.6	775.9
7.5°	723.6	727.2	729.8	740.0	751.1	765.3	777.2	783.4	784.3	789.2
10°	704.6	709.0	713.4	724.1	740.0	761.3	781.7	796.7	798.9	810.5
12.5°	703.7	708.1	713.9	725.4	744.0	766.6	791.4	813.1	817.1	834.0
15°	713.0	718.3	723.6	737.8	757.7	785.2	811.8	838.8	842.8	866.7
17.5°	732.0	739.1	743.1	757.3	778.6	809.1	844.1	875.2	878.7	906.6
20°	769.7	778.1	779.4	791.0	811.8	844.6	886.2	924.8	929.2	961.1
22.5°	847.7	859.7	849.0	854.8	873.4	906.2	951.4	1000.1	1006.3	1042.7
25°	985.1	1001.9	974.4	964.7	972.6	1006.8	1063.5	1125.1	1132.2	1161.4
27.5°	1254.9	1233.2	1191.5	1150.8	1126.9	1146.3	1210.2	1286.4	1295.2	1323.6
30°	1551.4	1532.3	1476.0	1385.6	1328.9	1325.8	1384.7	1469.8	1480.0	1507.0
32.5°	1848.2	1830.1	1768.9	1657.7	1559.3	1510.6	1551.4	1645.7	1651.1	1668.3
35°	2140.3	2121.7	2060.5	1946.6	1825.7	1714.9	1706.9	1813.2	1815.0	1833.2
37.5°	2434.1	2418.5	2353.4	2241.7	2122.5	1969.7	1895.7	1971.9	1974.1	1991.8
40°	2643.6	2650.3	2605.5	2519.1	2416.8	2249.7	2107.5	2140.7	2127.4	2157.1
42.5°	2823.6	2836.8	2797.9	2754.4	2695.1	2547.9	2369.8	2364.0	2342.8	2358.7
45°	2979.1	2990.2	2955.2	2945.0	2943.6	2840.4	2656.5	2621.9	2592.2	2589.1
47.5°	3036.3	3057.5	3072.6	3106.7	3173.2	3129.8	2952.9	2899.3	2866.1	2841.7
50°	3058.0	3080.6	3132.0	3231.2	3388.5	3407.1	3248.1	3187.8	3147.0	3102.7
52.5°	3028.7	3069.0	3138.2	3305.2	3533.4	3629.6	3531.2	3478.5	3432.0	3359.7
55°	2856.3	2896.7	3038.0	3304.3	3605.7	3785.6	3798.9	3775.4	3723.1	3609.2
57.5°	2493.0	2552.8	2776.6	3191.8	3604.3	3919.8	4061.2	4078.0	4019.5	3856.5
60°	1989.6	2070.7	2343.7	2942.3	3493.1	3992.5	4291.2	4375.4	4313.3	4100.2
62.5°	1388.3	1482.2	1740.6	2551.5	3238.8	3940.2	4459.1	4614.6	4567.7	4318.2
65°	846.8	876.9	1085.2	2007.8	2806.3	3721.3	4511.0	4744.0	4728.5	4451.6
67.5°	564.1	589.3	649.2	1376.8	2178.4	3284.0	4386.9	4721.4	4725.9	4429.9
70°	339.9	361.6	400.6	800.7	1411.8	2599.3	4002.7	4433.4	4459.1	4139.6
72.5°	140.0	154.6	190.1	362.9	731.1	1649.7	3187.4	3806.4	3866.2	3480.7
75°	79.3	86.9	111.7	182.1	317.3	768.8	1930.7	2702.1	2790.3	2399.0
77.5°	52.7	56.3	72.2	117.9	178.6	262.3	825.1	1407.8	1576.2	1310.3
80°	35.4	38.6	49.6	78.9	116.1	112.6	262.8	521.6	641.6	450.2
82.5°	23.9	24.4	35.4	51.8	73.6	54.5	77.5	162.2	203.8	130.3
85°	13.7	13.3	26.1	30.1	32.8	22.6	23.5	48.7	63.8	54.9
87.5°	1.8	2.7	10.2	8.0	4.4	4.9	4.9	8.4	12.4	13.3
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°
768.8	0°	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8	768.8
769.7	2.5°	769.7	769.3	767.9	766.6	763.5	761.7	762.6	761.7	761.3	761.7
775.5	5°	775.5	774.1	770.6	766.2	759.9	752.4	747.5	740.5	733.8	729.8
791.0	7.5°	791.0	789.6	784.8	772.4	752.4	721.0	692.2	666.9	647.8	636.8
815.8	10°	815.8	813.6	806.0	778.6	726.3	657.6	600.4	553.0	522.0	507.4
845.0	12.5°	845.0	842.4	829.1	772.8	676.6	569.4	490.5	437.8	409.0	396.1
878.7	15°	879.6	876.0	849.9	745.3	604.4	471.9	399.7	360.3	341.6	330.1
921.7	17.5°	922.6	916.4	865.4	704.1	526.0	397.5	343.9	314.2	297.8	286.7
978.0	20°	978.4	968.2	877.8	654.9	453.8	350.5	306.2	281.4	269.0	259.2
1057.7	22.5°	1056.4	1041.8	892.9	601.8	402.8	318.2	278.3	260.1	249.9	238.8
1168.9	25°	1153.0	1135.7	911.5	552.6	367.8	290.2	257.9	242.8	230.9	218.0
1314.7	27.5°	1288.1	1257.1	933.7	512.2	337.7	266.3	239.3	222.4	208.7	198.1
1480.0	30°	1438.8	1387.8	953.1	487.9	310.2	244.2	214.9	198.1	185.2	177.7
1628.5	32.5°	1581.5	1512.4	966.0	477.2	285.4	218.9	188.3	170.2	160.4	158.2
1773.8	35°	1716.2	1624.9	964.7	467.0	263.2	193.6	162.2	143.6	136.0	137.4
1930.2	37.5°	1871.3	1745.0	955.4	451.1	245.0	170.6	139.6	123.2	116.5	117.0
2120.3	40°	2051.6	1883.7	949.6	421.0	225.1	149.3	121.0	107.7	102.8	101.0
2320.6	42.5°	2244.0	2018.0	950.5	386.8	200.3	130.3	108.1	97.0	92.6	91.3
2543.5	45°	2437.2	2146.0	951.8	351.4	174.1	115.7	98.8	89.5	86.9	85.1
2769.5	47.5°	2618.8	2255.0	927.0	313.3	148.4	104.6	91.3	85.1	82.9	80.6
2996.4	50°	2788.1	2327.7	867.2	269.0	128.1	95.7	85.5	81.1	78.9	76.7
3202.0	52.5°	2919.7	2339.2	768.4	223.3	113.9	89.1	82.0	78.0	75.3	73.1
3368.1	55°	2978.2	2267.0	627.9	180.8	102.8	83.3	78.4	74.4	71.3	69.1
3498.9	57.5°	2963.1	2115.0	489.6	145.3	92.2	77.5	74.0	71.3	67.8	64.3
3604.8	60°	2889.1	1911.6	369.1	121.0	82.4	71.3	69.1	66.9	62.0	56.7
3645.5	62.5°	2761.1	1655.9	263.2	100.1	71.8	64.3	63.4	61.6	54.5	44.8
3585.3	65°	2565.2	1345.3	177.2	83.3	61.6	56.3	56.7	53.6	44.3	33.2
3364.6	67.5°	2279.0	983.7	113.4	68.2	51.4	47.0	47.4	45.6	37.7	28.4
2946.3	70°	1914.3	651.4	74.0	51.8	41.2	36.3	39.0	39.4	31.9	23.0
2261.2	72.5°	1403.4	384.6	51.8	38.6	30.1	25.3	31.9	32.8	25.7	17.3
1360.4	75°	799.8	182.6	39.0	27.9	18.6	17.7	24.8	24.8	17.7	11.5
588.9	77.5°	335.9	76.2	27.5	18.2	10.6	10.2	16.8	15.5	8.9	5.3
143.6	80°	97.0	34.1	14.6	8.9	4.4	4.0	6.6	4.9	2.2	0.9
54.5	82.5°	38.1	15.1	5.8	3.5	1.8	1.8	0.9	0.0	0.0	0.0
31.0	85°	22.6	6.2	2.7	1.3	0.4	0.0	0.0	0.0	0.0	0.0
6.6	87.5°	5.8	1.3	0.9	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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768.8
763.5
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