

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: P846302

Luminaire Tested: **GLAN-SB1D-840-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846302
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-SB1D-840-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 900mA 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: 6319 lumens
Efficiency: N/A
Efficacy: 79.4 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

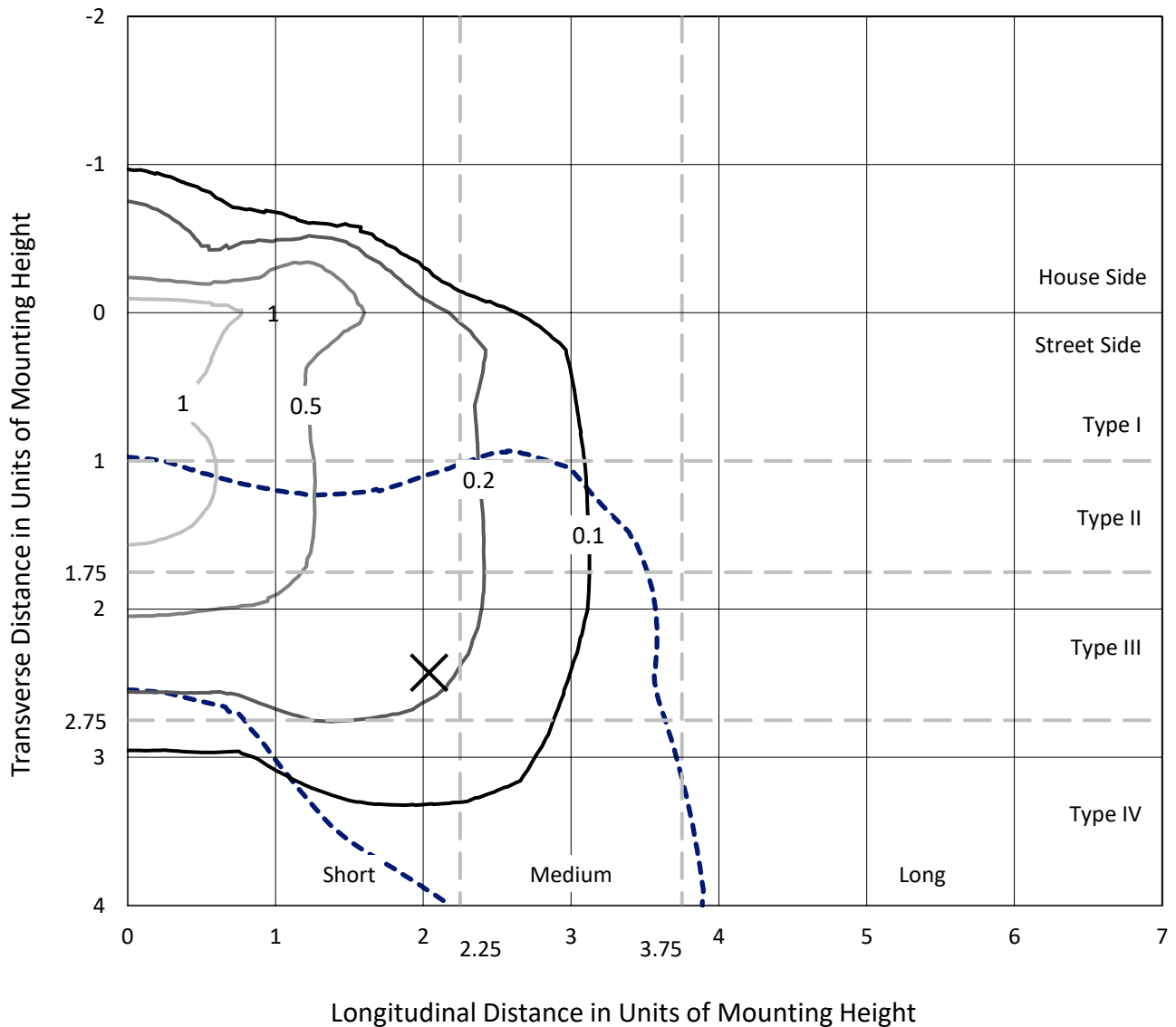
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

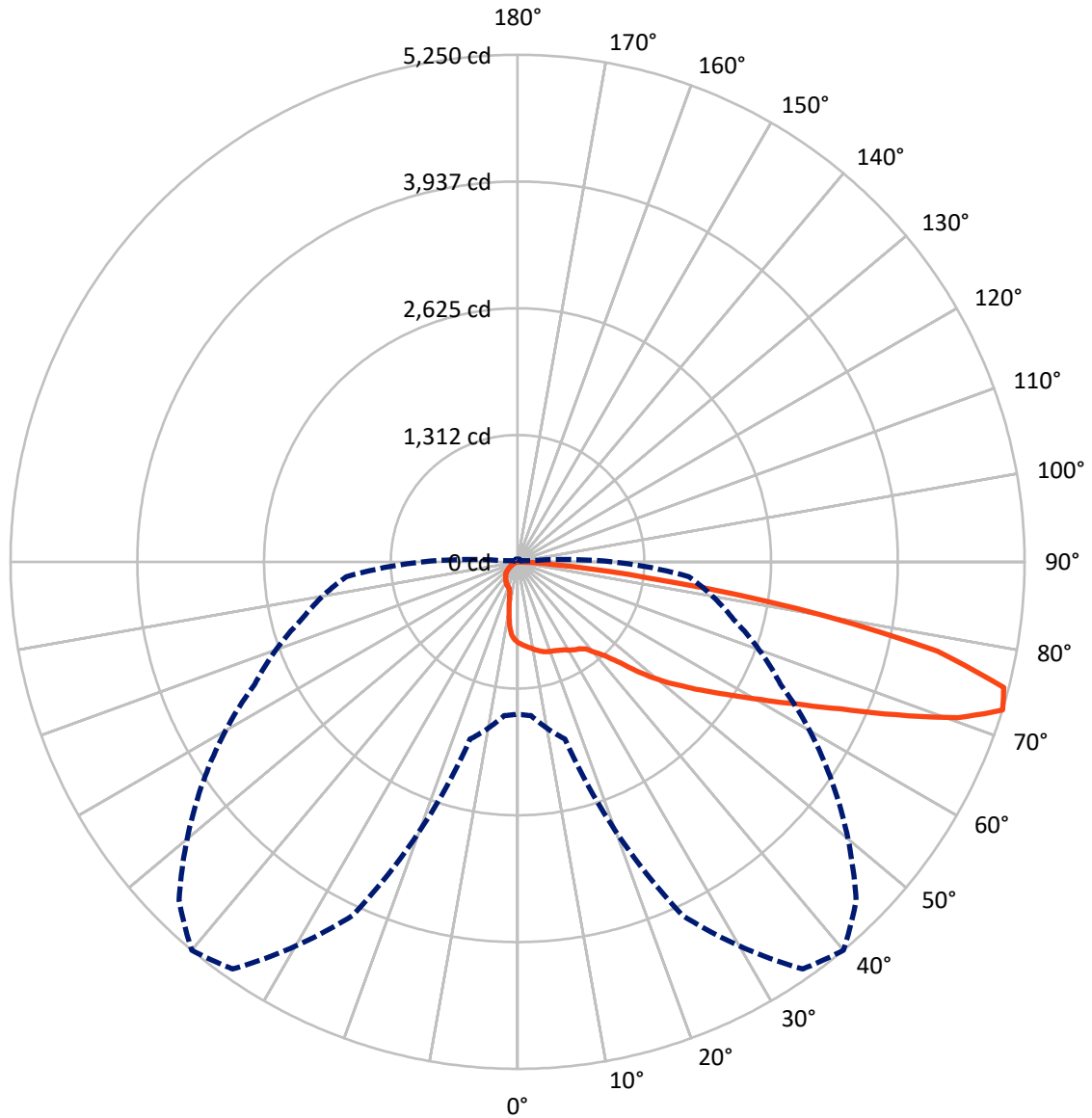
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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
House Side	Lumens	816.0	0.0	816.0
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	5503.0	0.0	5503.0
	% Fixture	87.1	0.0	87.1
Total	Lumens	6319.0	0.0	6319.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.2
10°-20°	207.5	3.3
20°-30°	335.8	5.3
30°-40°	495.7	7.8
40°-50°	834.3	13.2
50°-60°	1295.4	20.5
60°-70°	1621.0	25.7
70°-80°	1327.1	21.0
80°-90°	125.8	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°	6319.0	100.0
0°-180°	6319.0	100.0

Coefficient of Utilization

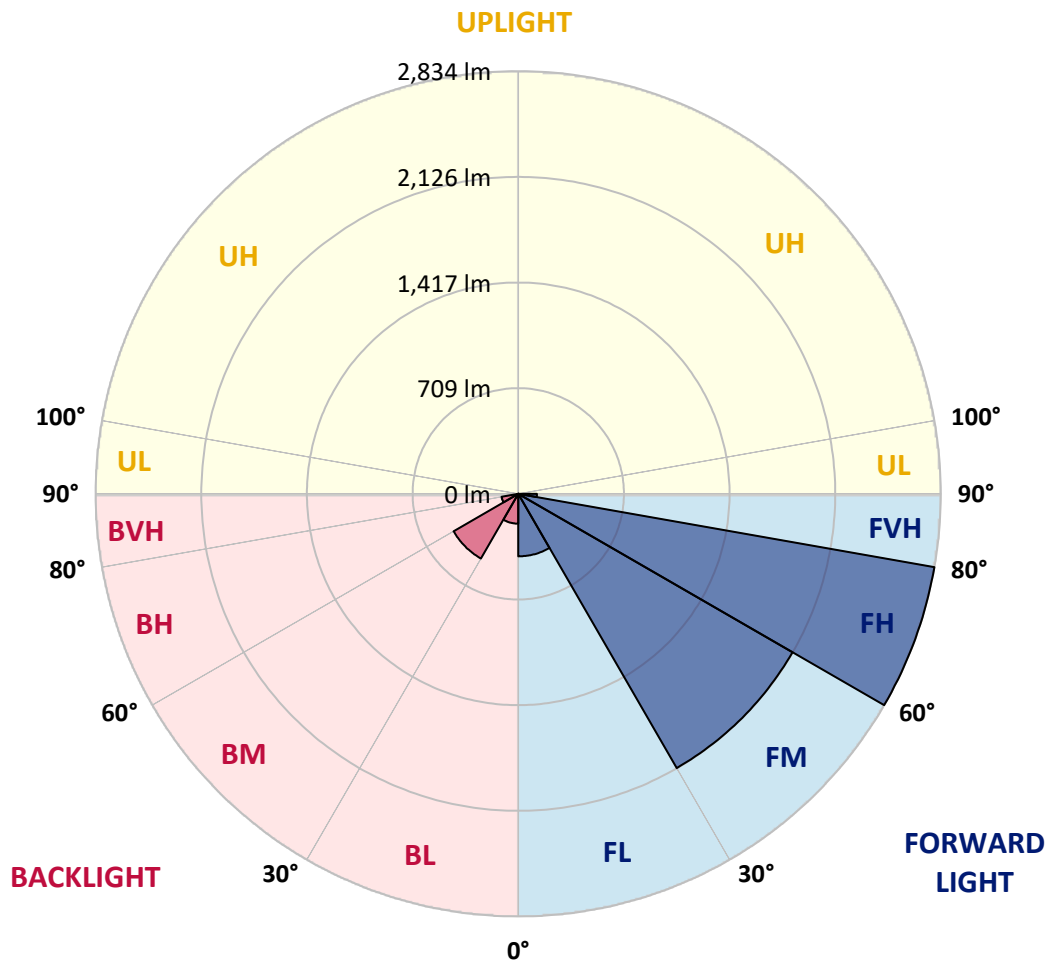


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	419.4	6.6			
FM (30°-60°)	2124.3	33.6			
FH (60°-80°)	2834.4	44.9			G2/5000
FVH (80°-90°)	124.9	2.0			G2/225
BL (0°-30°)	200.3	3.2	B1/500		
BM (30°-60°)	501.1	7.9	B1/1000		
BH (60°-80°)	113.7	1.8	B1/500		G1/500
BVH (80°-90°)	1.0	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°	836.7	836.7	836.7	836.7	836.7	836.7	836.7	836.7	836.7	836.7
2.5°	861.9	865.2	863.3	859.5	858.6	856.7	854.3	853.3	850.0	847.2
5°	886.2	889.5	887.1	881.9	879.5	877.1	873.8	871.0	864.3	858.1
7.5°	912.8	915.7	912.8	905.2	901.4	898.6	893.8	889.5	881.9	872.9
10°	942.3	944.7	940.4	930.4	924.3	920.0	915.7	910.9	903.8	893.8
12.5°	969.9	972.8	966.1	954.2	947.1	942.8	938.1	934.3	927.1	917.6
15°	995.2	999.5	988.0	975.2	967.1	963.8	959.0	956.6	951.9	945.2
17.5°	1014.2	1017.1	1005.2	989.9	980.9	978.5	975.2	976.6	975.7	972.3
20°	1030.4	1032.3	1016.6	998.0	988.0	988.5	987.6	992.3	994.2	994.2
22.5°	1050.4	1050.9	1030.9	1007.5	995.6	999.0	1000.4	1005.6	1009.4	1013.3
25°	1076.6	1075.6	1051.8	1019.9	1009.4	1014.2	1017.5	1019.4	1023.7	1029.9
27.5°	1115.6	1112.7	1082.3	1039.9	1027.5	1031.8	1038.0	1037.1	1035.2	1039.9
30°	1165.1	1161.3	1120.8	1068.0	1056.6	1060.4	1062.3	1053.7	1039.9	1044.2
32.5°	1243.6	1236.9	1180.8	1099.4	1081.8	1086.1	1083.7	1066.1	1045.6	1049.9
35°	1380.2	1364.0	1284.5	1165.1	1110.3	1105.6	1099.9	1082.7	1057.5	1053.2
37.5°	1670.5	1642.0	1506.3	1293.1	1175.1	1144.1	1126.5	1109.4	1070.4	1053.2
40°	1998.0	1968.9	1812.3	1507.3	1282.6	1230.3	1188.4	1140.8	1083.7	1059.4
42.5°	2339.7	2307.8	2146.9	1772.8	1436.4	1328.8	1250.7	1166.0	1105.6	1078.5
45°	2721.4	2681.4	2471.0	2049.8	1659.6	1492.5	1351.2	1217.9	1143.7	1112.3
47.5°	3124.0	3072.1	2794.2	2318.7	1899.9	1719.1	1534.9	1310.7	1199.8	1162.7
50°	3481.0	3429.6	3127.8	2600.0	2124.6	1934.7	1744.3	1439.2	1284.1	1234.1
52.5°	3737.5	3698.5	3431.5	2890.3	2358.2	2136.9	1934.2	1588.7	1390.7	1325.5
55°	3909.3	3873.6	3646.6	3165.4	2630.0	2359.7	2121.2	1751.0	1519.2	1434.9
57.5°	4013.5	3993.1	3802.2	3411.0	2899.4	2603.3	2335.4	1929.4	1670.5	1563.9
60°	4050.6	4034.0	3898.8	3645.2	3224.9	2896.0	2587.2	2130.7	1854.2	1710.5
62.5°	3951.7	3955.0	3968.3	3922.6	3568.1	3238.7	2888.9	2372.5	2057.9	1876.6
65°	3485.7	3513.3	3766.5	4230.1	4022.6	3668.0	3273.0	2667.6	2291.1	2065.5
67.5°	2886.0	2926.0	3241.1	4410.0	4507.1	4225.3	3807.9	3043.6	2569.1	2257.8
70°	2209.3	2252.1	2633.8	4372.4	4960.6	4834.5	4469.5	3521.9	2857.0	2391.1
72.5°	1576.8	1598.7	1899.4	4037.8	5146.7	5249.5	4956.8	3975.0	3004.1	2317.3
75°	1108.0	1104.2	1303.6	3251.6	4856.9	5199.1	4786.0	3729.9	2718.5	1840.9
77.5°	482.6	483.5	651.1	1974.6	3876.5	4440.4	3978.3	2336.3	1895.2	975.7
80°	125.2	129.0	238.9	786.2	2334.0	2930.8	2426.3	1027.1	875.7	238.0
82.5°	44.3	47.1	109.9	247.0	861.0	1344.0	1080.4	328.4	228.4	68.1
85°	12.9	15.2	59.0	75.7	178.0	379.8	262.2	63.8	56.2	35.2
87.5°	0.0	1.9	11.9	10.5	10.5	7.1	13.3	7.1	9.0	4.3
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°
836.7	0°	836.7	836.7	836.7	836.7	836.7	836.7	836.7	836.7	836.7	836.7
843.8	2.5°	841.0	837.6	830.5	822.9	815.7	809.1	807.2	800.0	796.7	797.2
850.5	5°	845.3	839.1	825.3	808.6	791.5	772.0	755.8	732.9	713.4	711.0
863.3	7.5°	856.7	846.7	824.3	791.9	749.1	695.3	645.4	595.9	567.8	552.6
882.4	10°	874.3	861.0	826.7	764.8	673.9	577.8	502.1	439.8	407.9	393.1
905.7	12.5°	895.2	880.5	830.5	718.7	576.8	450.7	368.8	330.8	324.1	323.2
934.3	15°	924.7	908.6	834.8	656.3	471.6	343.1	305.5	306.0	311.3	314.1
965.2	17.5°	957.6	941.4	828.6	580.2	367.9	293.2	292.2	296.5	304.1	307.0
993.7	20°	990.9	975.7	806.7	490.7	297.5	279.4	283.2	287.9	295.6	299.4
1021.8	22.5°	1025.2	1011.8	772.0	395.5	268.4	269.4	274.1	278.9	287.5	291.7
1049.4	25°	1061.8	1050.4	725.8	317.0	256.1	258.9	265.1	270.8	279.8	285.1
1072.7	27.5°	1098.9	1090.4	673.4	264.6	244.6	248.0	255.1	262.7	271.8	277.9
1093.2	30°	1139.4	1134.6	631.6	245.1	233.7	236.5	244.6	253.2	263.2	270.8
1113.7	32.5°	1180.8	1179.8	611.1	259.4	223.7	225.6	232.7	241.3	253.7	263.2
1130.8	35°	1221.7	1223.6	599.2	299.8	220.4	215.1	219.9	227.5	242.2	254.1
1150.3	37.5°	1274.1	1278.8	598.7	343.6	228.4	204.7	208.0	213.2	226.1	239.9
1180.8	40°	1352.1	1377.3	629.2	381.2	242.7	195.1	196.1	197.0	203.7	215.1
1221.2	42.5°	1455.9	1529.6	739.1	406.9	248.4	186.6	183.2	178.0	177.0	183.2
1276.4	45°	1584.9	1713.8	932.3	421.2	242.7	177.0	168.0	154.2	149.0	153.2
1351.2	47.5°	1736.7	1915.6	1161.3	424.5	233.2	165.1	149.0	130.9	126.6	128.0
1451.6	50°	1884.7	2067.0	1362.6	396.9	217.5	149.9	128.0	112.8	109.9	110.4
1570.1	52.5°	2015.6	2118.8	1419.7	331.7	196.6	131.4	109.9	99.5	97.6	97.6
1701.0	55°	2102.2	2062.7	1266.0	253.7	170.4	112.3	94.2	89.0	88.0	87.6
1847.1	57.5°	2120.3	1879.9	956.1	183.2	133.3	94.7	83.8	80.9	79.0	77.1
1997.0	60°	2055.5	1575.3	608.7	128.0	99.9	80.9	74.2	72.3	68.5	64.7
2137.9	62.5°	1915.6	1189.8	337.0	89.0	80.4	69.0	65.7	63.3	56.2	50.0
2249.7	65°	1727.6	791.0	149.0	69.5	65.7	58.1	56.2	52.8	44.3	37.1
2292.1	67.5°	1538.7	455.5	67.1	55.7	52.8	47.6	46.2	43.8	37.6	30.9
2184.0	70°	1323.1	230.8	46.2	44.3	40.9	36.2	37.6	37.1	30.9	25.2
1781.4	72.5°	985.2	114.7	34.7	33.3	29.5	25.7	30.9	30.5	24.3	19.0
1098.4	75°	557.8	56.6	25.2	23.3	17.6	19.0	24.7	23.3	16.7	12.4
463.6	77.5°	221.3	29.0	16.7	14.3	10.5	12.9	18.1	15.7	8.6	5.2
88.5	80°	50.9	14.3	8.6	6.2	4.8	7.6	9.5	5.7	2.4	0.5
23.8	82.5°	14.3	6.2	2.9	2.4	2.4	2.9	2.4	1.0	0.0	0.0
6.2	85°	4.8	2.9	1.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0
1.9	87.5°	1.9	1.0	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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836.7
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