

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: P846148

Luminaire Tested: **GLAN-SB1C-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6437 lumens
Efficiency: N/A
Efficacy: 118.3 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

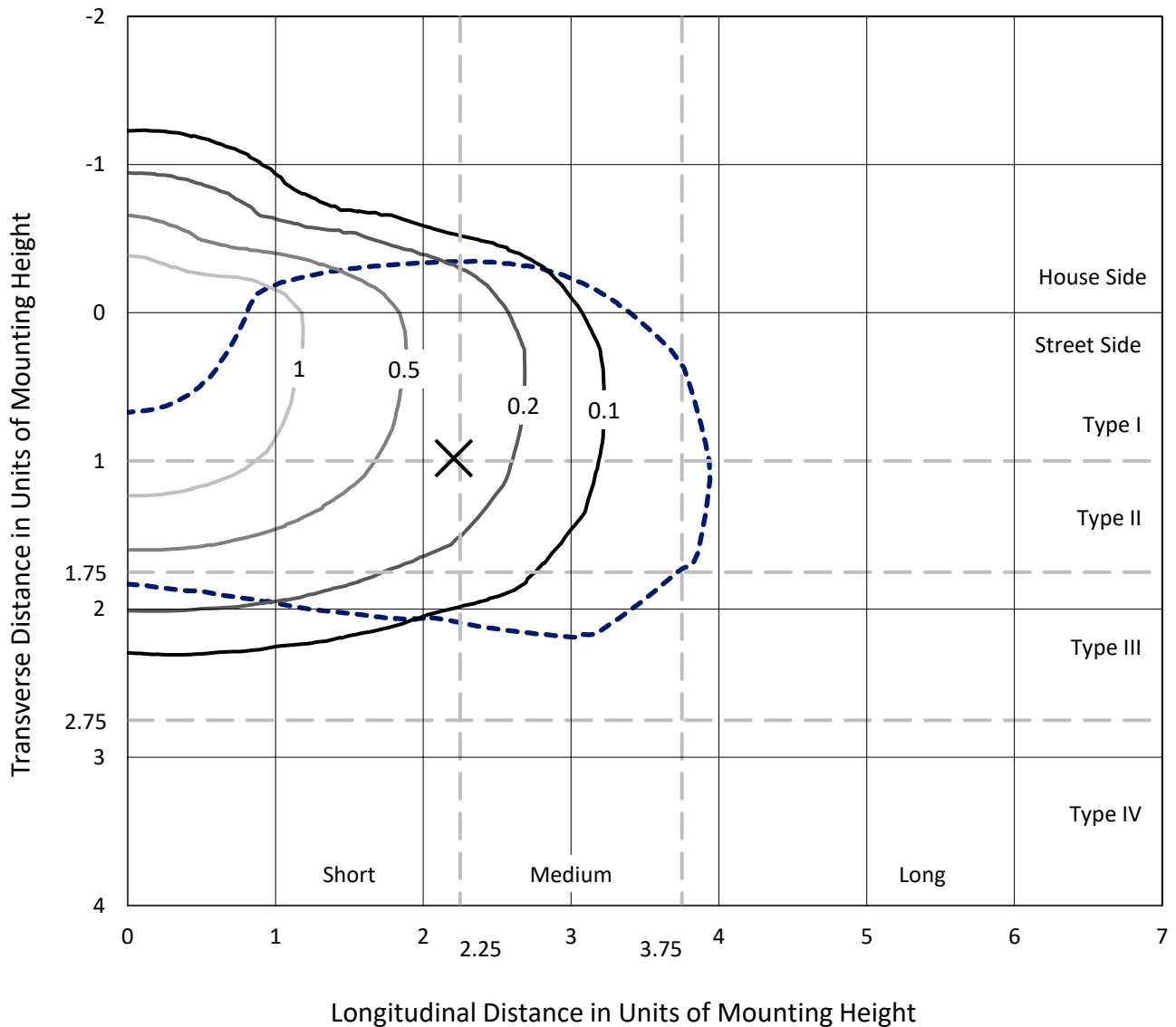
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

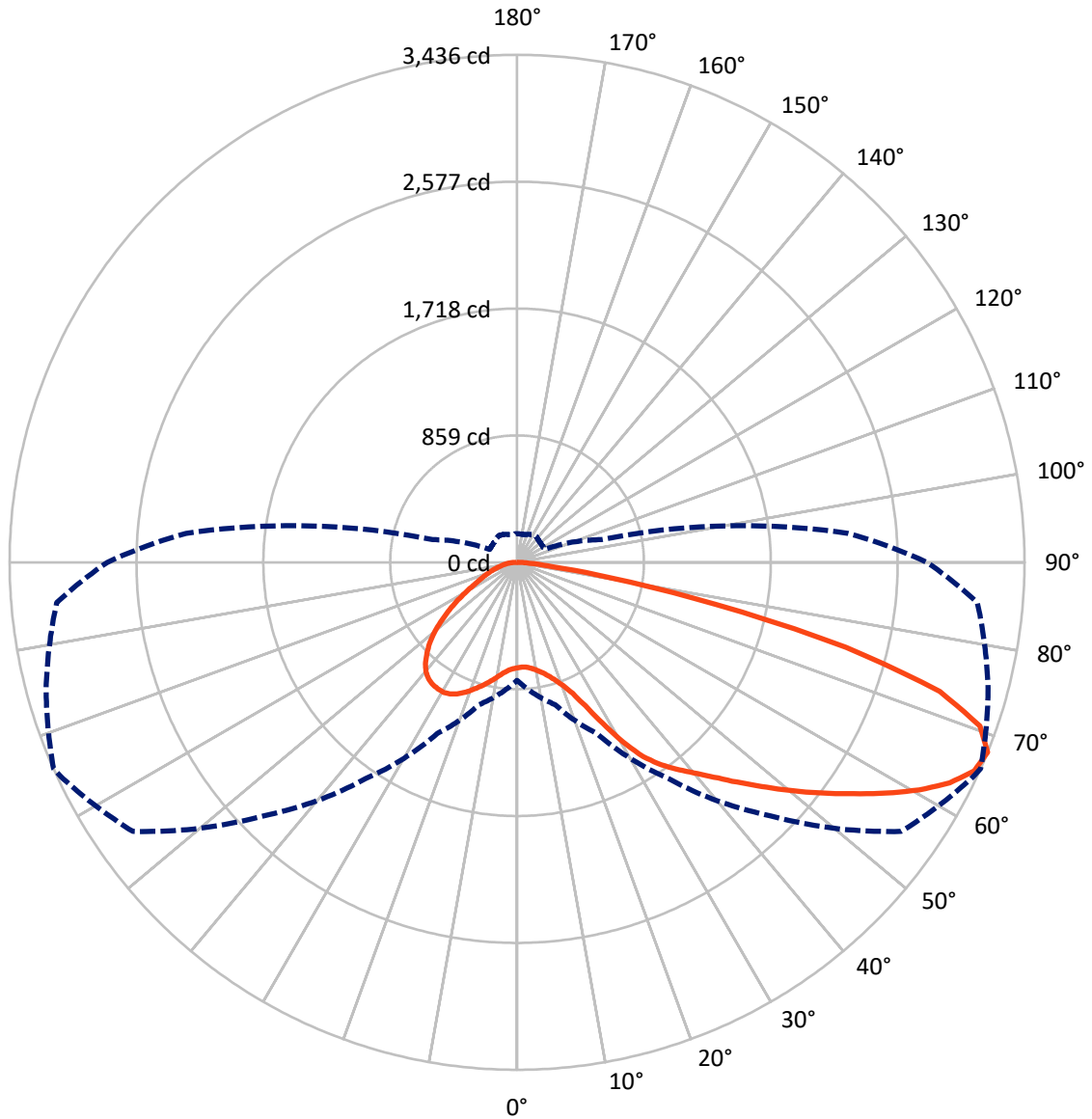
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1600.5	0.0	1600.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	4836.5	0.0	4836.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	6437.0	0.0	6437.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.1
10°-20°	233.9	3.6
20°-30°	450.8	7.0
30°-40°	790.4	12.3
40°-50°	1175.0	18.3
50°-60°	1489.4	23.1
60°-70°	1457.4	22.6
70°-80°	695.2	10.8
80°-90°	74.3	1.2
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°	6437.0	100.0
0°-180°	6437.0	100.0

Coefficient of Utilization



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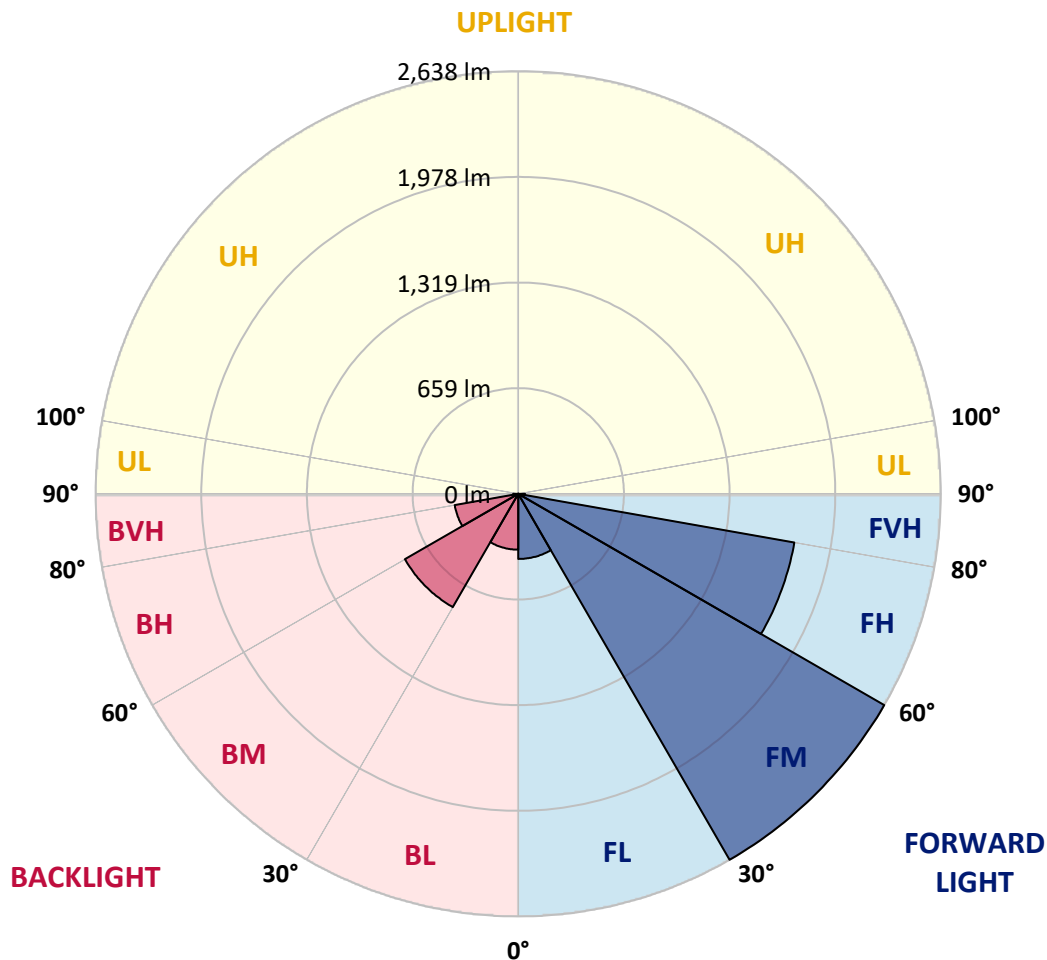
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.8	6.3			
FM (30°-60°)	2637.8	41.0			
FH (60°-80°)	1749.8	27.2			G1/1800
FVH (80°-90°)	42.1	0.7			G1/100
BL (0°-30°)	348.7	5.4	B1/500		
BM (30°-60°)	816.9	12.7	B1/1000		
BH (60°-80°)	402.8	6.3	B1/500		G1/500
BVH (80°-90°)	32.2	0.5			G1/100
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°	65°	66°	75°
0°	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9
2.5°	706.5	710.6	709.6	707.9	707.5	708.2	709.2	710.2	709.9	711.6
5°	704.5	708.5	708.2	708.2	709.6	712.3	713.9	715.6	713.9	716.0
7.5°	705.8	708.9	710.2	711.6	715.0	720.0	724.1	727.8	725.8	728.2
10°	723.1	725.4	726.8	726.8	729.2	734.9	739.0	745.7	744.0	747.8
12.5°	754.5	756.9	756.9	755.5	757.2	761.0	762.3	769.8	766.7	772.8
15°	793.1	797.8	794.1	791.7	792.4	796.1	795.8	801.5	798.5	803.6
17.5°	835.7	841.8	835.7	835.4	834.0	838.1	838.4	843.5	838.1	841.8
20°	886.1	894.5	889.5	891.2	888.1	889.8	891.5	898.9	890.5	893.2
22.5°	957.1	967.3	961.9	968.3	966.2	964.9	964.6	977.7	964.6	965.6
25°	1060.6	1072.8	1063.3	1072.1	1072.1	1076.5	1081.6	1098.5	1076.5	1070.1
27.5°	1213.5	1225.7	1207.0	1212.5	1210.8	1221.6	1216.2	1258.1	1234.4	1224.0
30°	1397.5	1419.1	1383.9	1382.6	1380.9	1398.1	1405.9	1433.6	1409.6	1399.1
32.5°	1596.3	1619.0	1577.0	1564.9	1558.4	1568.9	1562.5	1584.8	1568.3	1552.0
35°	1806.7	1829.0	1789.1	1765.4	1739.7	1717.7	1694.7	1700.5	1684.9	1660.2
37.5°	2005.5	2046.5	2004.2	1978.8	1931.5	1888.5	1824.3	1797.6	1783.0	1760.4
40°	2208.1	2231.5	2199.3	2177.7	2126.3	2059.0	1956.2	1899.7	1880.1	1858.1
42.5°	2357.3	2379.6	2362.4	2347.5	2307.2	2229.1	2096.2	2025.5	1997.1	1972.4
45°	2475.7	2492.2	2481.4	2486.8	2469.6	2393.8	2241.3	2160.4	2131.0	2100.9
47.5°	2523.3	2540.9	2558.2	2590.3	2619.7	2563.9	2397.2	2306.6	2275.4	2244.7
50°	2517.9	2535.9	2585.9	2654.2	2745.5	2726.9	2561.6	2462.1	2433.4	2398.2
52.5°	2474.6	2494.9	2559.2	2672.8	2818.3	2849.0	2729.0	2622.8	2595.7	2553.8
55°	2361.0	2373.2	2469.6	2630.5	2835.5	2934.3	2893.0	2793.9	2766.8	2708.3
57.5°	2150.3	2167.9	2308.2	2516.6	2792.2	2992.1	3037.1	2973.8	2947.8	2863.6
60°	1875.3	1903.4	2064.1	2325.2	2682.0	2991.8	3168.0	3150.7	3129.1	3016.4
62.5°	1564.2	1596.7	1751.2	2054.6	2489.2	2906.9	3249.8	3298.8	3287.7	3157.5
65°	1201.3	1223.6	1377.5	1704.5	2189.2	2724.6	3259.3	3400.0	3402.0	3264.7
67.5°	799.9	864.1	997.7	1279.1	1787.4	2426.6	3176.1	3416.5	3436.2	3301.5
70°	390.3	474.8	605.7	831.3	1279.1	1969.7	2958.6	3280.6	3324.2	3194.0
72.5°	162.0	189.4	260.8	410.2	734.2	1329.1	2521.6	2911.9	2992.8	2830.1
75°	109.2	118.4	149.1	210.4	334.5	655.4	1818.5	2171.3	2301.5	2137.4
77.5°	84.2	90.0	108.6	147.1	198.9	247.9	973.4	1308.5	1375.8	1273.7
80°	66.3	70.7	81.2	107.2	141.0	132.6	331.8	592.9	631.8	530.0
82.5°	57.5	59.2	58.2	72.7	93.7	77.4	108.9	218.8	241.5	175.2
85°	41.6	46.3	48.4	45.0	49.7	39.2	44.6	77.4	85.2	76.1
87.5°	16.9	25.0	30.8	29.1	18.3	11.2	13.9	22.7	26.0	28.4
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°
713.9	0°	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9
714.3	2.5°	714.6	717.0	718.7	720.7	722.1	724.1	728.2	730.5	730.9	732.5
719.7	5°	721.1	724.4	728.2	733.6	739.7	744.7	752.5	757.9	759.9	761.6
732.9	7.5°	734.9	739.7	746.4	755.9	764.7	771.4	780.9	787.3	793.8	796.1
753.9	10°	755.5	762.3	772.1	785.0	794.4	803.2	813.0	818.5	824.9	827.6
778.9	12.5°	781.3	788.4	801.2	819.1	827.9	834.0	837.4	836.0	837.4	839.8
809.0	15°	810.7	818.5	833.0	852.3	858.4	853.0	845.5	838.7	837.7	838.4
845.5	17.5°	845.5	851.3	868.2	884.4	880.0	857.7	841.5	830.6	825.2	823.5
892.2	20°	894.2	894.2	908.1	918.2	888.8	850.9	825.6	808.0	796.8	792.1
955.8	22.5°	953.4	948.0	956.8	949.7	887.1	832.0	796.8	766.4	749.5	742.7
1044.7	25°	1028.5	1022.1	1019.7	975.7	874.9	801.9	744.7	707.9	693.0	689.3
1172.9	27.5°	1141.8	1125.5	1094.8	989.9	852.6	754.5	683.8	649.7	641.2	641.6
1337.6	30°	1292.6	1260.1	1184.7	992.3	816.1	687.6	621.6	597.3	593.2	594.9
1475.9	32.5°	1432.3	1401.5	1276.7	981.5	759.9	622.0	565.8	549.6	543.5	545.5
1581.4	35°	1541.9	1533.4	1361.9	966.2	691.0	560.4	515.8	501.9	490.1	487.4
1680.9	37.5°	1645.4	1642.0	1425.9	944.9	622.6	516.8	475.5	457.3	440.0	430.5
1790.8	40°	1759.0	1755.6	1467.8	912.1	562.1	478.9	439.3	415.3	394.0	376.8
1915.2	42.5°	1886.8	1866.9	1487.8	865.1	510.7	446.8	409.9	377.4	349.4	333.5
2055.9	45°	2026.5	1981.5	1487.4	805.3	467.4	417.3	378.5	332.5	306.4	291.5
2200.4	47.5°	2174.7	2091.1	1469.2	739.0	425.5	384.9	329.7	294.6	277.3	268.2
2357.3	50°	2327.5	2193.6	1438.0	662.9	382.5	348.0	299.3	275.3	262.1	253.7
2512.9	52.5°	2471.3	2286.6	1400.5	576.6	338.9	312.2	285.8	267.2	253.3	243.8
2663.7	55°	2604.8	2366.8	1347.4	488.4	303.4	288.1	279.4	263.8	247.9	236.7
2816.9	57.5°	2723.6	2418.8	1255.8	405.5	278.0	271.6	272.6	258.0	239.8	230.3
2967.7	60°	2822.3	2457.1	1120.1	328.7	257.4	255.3	262.1	247.2	225.9	215.1
3095.2	62.5°	2881.5	2456.4	953.7	269.2	239.8	240.5	248.2	233.7	212.1	201.9
3161.9	65°	2876.4	2396.2	771.1	230.3	222.9	223.6	233.7	218.8	200.6	194.5
3128.4	67.5°	2774.6	2249.4	591.5	205.0	204.3	207.3	219.2	208.7	193.5	192.8
2928.8	70°	2499.0	1944.7	426.1	184.7	185.0	189.4	205.0	202.2	189.7	191.1
2462.5	72.5°	2003.9	1482.7	286.1	163.4	163.7	170.8	191.4	197.2	186.0	203.9
1747.2	75°	1334.6	924.6	184.0	140.7	141.0	150.2	179.6	187.4	175.9	203.3
909.1	77.5°	641.2	415.7	133.3	118.4	118.4	126.8	155.2	167.7	149.8	157.9
292.2	80°	221.5	156.3	104.8	95.4	93.3	99.1	130.9	145.4	129.2	119.0
95.4	82.5°	87.3	81.2	84.2	74.1	67.3	71.0	101.8	120.1	95.0	85.9
53.8	85°	50.1	52.8	59.5	49.0	38.9	43.6	74.7	86.2	71.7	63.2
17.6	87.5°	13.5	18.6	27.4	25.4	17.6	18.6	35.5	47.7	41.3	31.8
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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713.9
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