

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: McGRAW-EDISON

Report Number: P942275

Luminaire Tested: **GALN-SB6A-950-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-950-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18750 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

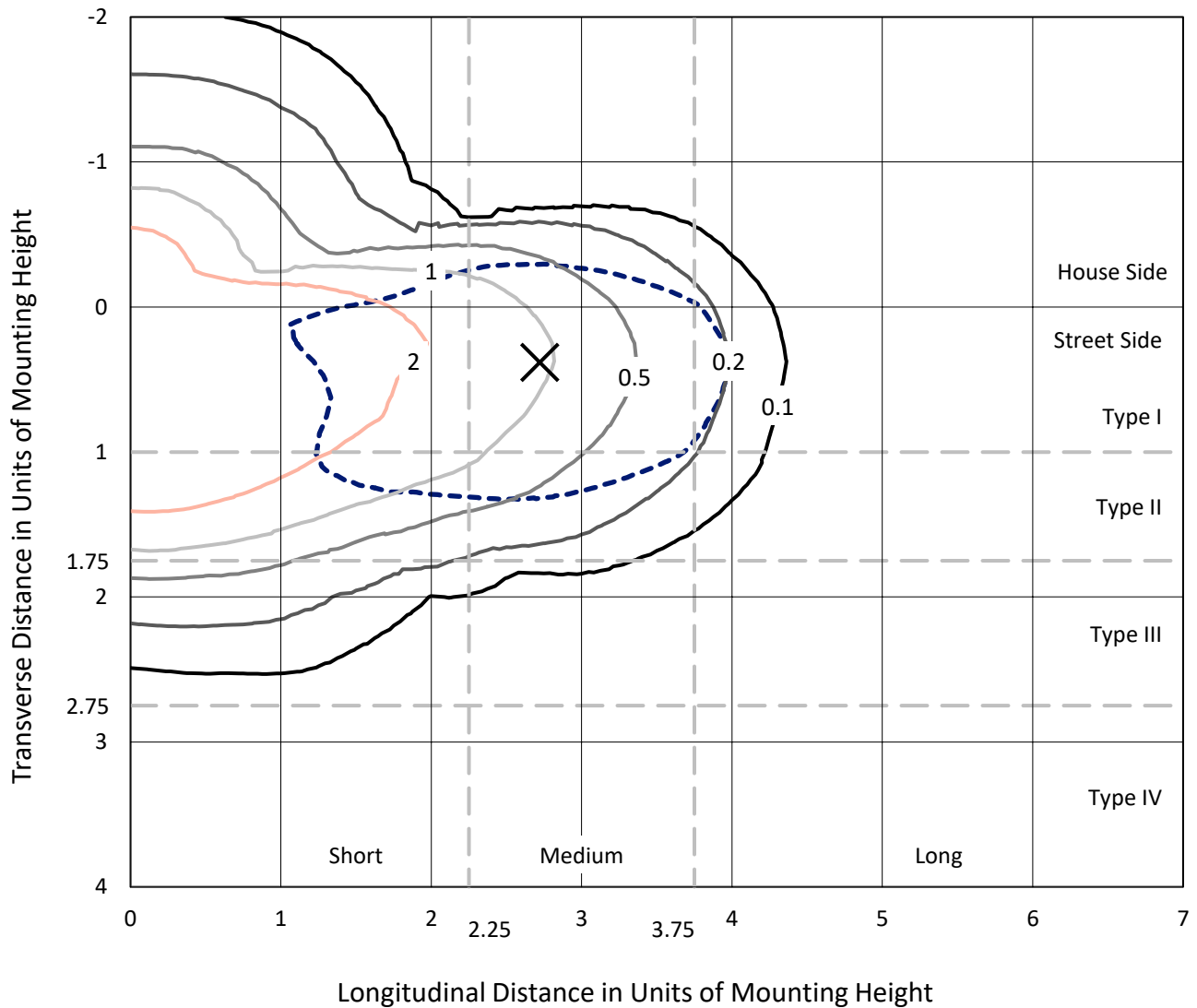
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

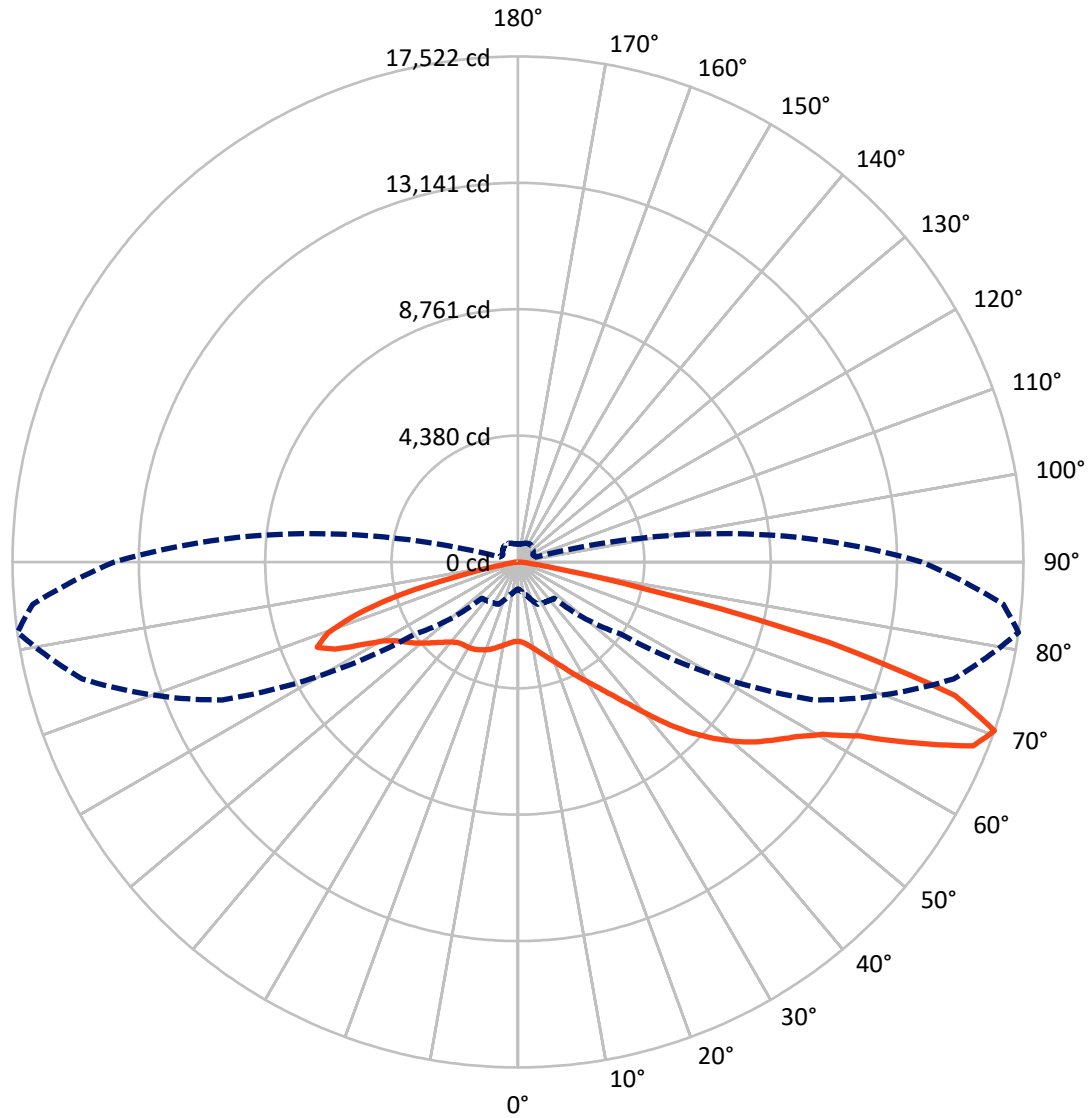
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4622.3	0.0	4622.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	14127.7	0.0	14127.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	18750.0	0.0	18750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.6	1.4
10°-20°	745.7	4.0
20°-30°	1247.5	6.7
30°-40°	1948.9	10.4
40°-50°	3103.9	16.6
50°-60°	4319.4	23.0
60°-70°	4518.3	24.1
70°-80°	2361.5	12.6
80°-90°	245.2	1.3
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°	18750.0	100.0
0°-180°	18750.0	100.0

Coefficient of Utilization



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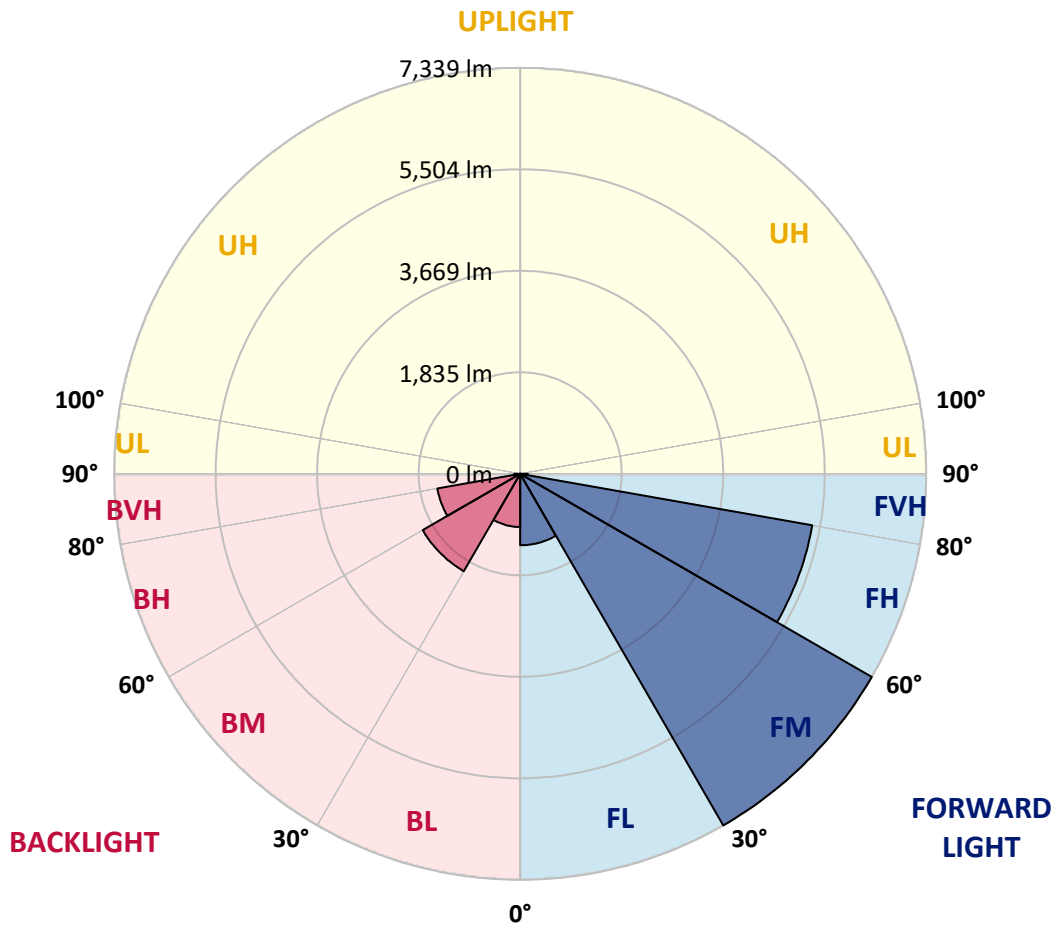
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1291.1	6.9			
FM (30°-60°)	7338.6	39.1			
FH (60°-80°)	5360.7	28.6			G3/7500
FVH (80°-90°)	137.3	0.7			G2/225
BL (0°-30°)	961.6	5.1	B2/1000		
BM (30°-60°)	2033.6	10.8	B2/2500		
BH (60°-80°)	1519.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	107.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0
2.5°	2814.6	2830.6	2825.6	2820.6	2820.6	2813.7	2812.7	2802.7	2794.8	2781.8
5°	2850.5	2867.4	2865.4	2869.4	2882.3	2885.3	2888.3	2882.3	2866.4	2850.5
7.5°	2818.6	2837.5	2843.5	2867.4	2907.2	2943.0	2969.9	2980.8	2965.9	2943.0
10°	2711.2	2732.1	2753.0	2809.7	2880.3	2964.9	3036.5	3079.3	3076.3	3054.4
12.5°	2493.3	2515.2	2559.9	2670.4	2799.7	2949.0	3082.3	3171.8	3202.7	3186.8
15°	2319.2	2338.1	2371.9	2485.3	2653.5	2880.3	3099.2	3273.3	3351.9	3343.0
17.5°	2314.2	2322.2	2343.1	2396.8	2526.1	2772.9	3081.3	3372.8	3523.0	3522.0
20°	2401.8	2404.7	2416.7	2427.6	2501.2	2691.3	3035.5	3455.4	3715.1	3715.1
22.5°	2523.1	2521.1	2533.1	2523.1	2559.0	2684.3	3006.7	3528.0	3929.0	3944.9
25°	2705.2	2695.3	2692.3	2669.4	2676.4	2749.0	3038.5	3610.6	4182.7	4215.5
27.5°	2948.0	2932.1	2921.1	2868.4	2850.5	2882.3	3136.0	3710.1	4465.2	4521.9
30°	3264.4	3235.5	3219.6	3128.1	3063.4	3068.4	3283.3	3842.4	4760.7	4852.3
32.5°	3696.2	3651.4	3608.6	3458.4	3340.0	3301.2	3473.3	4025.5	5081.1	5227.3
35°	4179.7	4143.9	4098.1	3866.3	3684.2	3594.7	3730.0	4281.2	5456.2	5688.0
37.5°	4645.3	4614.5	4636.4	4324.0	4089.2	3958.8	4066.3	4624.4	5918.8	6261.1
40°	5126.9	5103.0	5106.0	4807.5	4533.9	4387.6	4474.2	5055.2	6449.1	6942.6
42.5°	5650.2	5632.3	5572.6	5307.9	5000.5	4864.2	4943.8	5552.7	7018.2	7718.6
45°	6236.2	6225.3	6169.5	5866.1	5513.9	5360.7	5468.1	6101.9	7590.3	8448.9
47.5°	6742.6	6751.6	6744.6	6488.9	6123.8	5898.9	6027.3	6675.0	8122.6	9135.4
50°	6986.4	7033.1	7101.8	7022.2	6795.4	6566.5	6591.4	7228.1	8630.0	9779.1
52.5°	6859.0	6947.6	7134.6	7262.0	7349.5	7301.8	7235.1	7777.3	9107.6	10360.2
55°	6384.4	6508.8	6819.2	7126.7	7573.4	7920.6	8008.2	8386.2	9573.2	10871.6
57.5°	5519.9	5721.8	6000.4	6622.2	7374.4	8220.1	8909.6	9230.9	10066.7	11417.8
60°	4037.4	4308.0	4654.3	5579.6	6678.0	8059.9	9676.7	10528.3	10768.1	12125.2
62.5°	2583.8	2751.0	3069.4	3940.9	5203.5	7239.1	9911.5	12150.1	11957.0	13285.3
65°	1769.0	1876.4	2167.9	2657.5	3363.8	5388.5	9282.7	13365.9	13845.4	15123.9
67.5°	1285.4	1367.0	1615.8	2044.6	2191.8	3188.7	7203.3	13310.1	15681.1	17018.2
70°	937.2	994.9	1203.9	1615.8	1686.4	1774.0	4363.8	11314.3	15641.3	17521.7
72.5°	694.5	734.3	874.5	1253.6	1365.0	1197.9	2160.0	8223.1	13440.5	15848.2
75°	502.4	532.3	635.8	959.1	1092.4	912.3	1077.5	4805.5	9375.2	11148.2
77.5°	384.0	406.9	474.6	702.4	874.5	684.5	668.6	2210.7	4445.3	4467.2
80°	308.4	323.4	360.2	494.5	670.6	512.4	435.8	892.4	1404.8	1188.9
82.5°	226.8	251.7	304.4	347.2	479.6	353.2	265.6	450.7	534.3	459.7
85°	129.3	146.3	184.1	248.7	306.4	215.9	152.2	200.0	248.7	204.0
87.5°	45.8	59.7	64.7	97.5	133.3	89.5	58.7	57.7	81.6	60.7
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°
2749.0	0°	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0	2749.0
2778.8	2.5°	2768.9	2763.9	2744.0	2717.1	2689.3	2662.4	2653.5	2634.6	2621.6	2614.7
2843.5	5°	2824.6	2808.7	2761.9	2702.2	2639.5	2571.9	2524.1	2480.4	2448.5	2418.7
2932.1	7.5°	2904.2	2876.3	2795.7	2691.3	2579.8	2467.4	2383.8	2320.2	2277.4	2249.5
3035.5	10°	2996.7	2953.9	2830.6	2674.4	2502.2	2341.1	2242.6	2187.8	2161.0	2146.1
3153.9	12.5°	3103.2	3042.5	2866.4	2635.6	2383.8	2199.8	2132.1	2116.2	2117.2	2118.2
3303.2	15°	3234.5	3149.9	2895.2	2551.0	2229.6	2091.3	2079.4	2105.3	2132.1	2145.1
3472.3	17.5°	3382.8	3263.4	2900.2	2411.7	2078.4	2021.7	2059.5	2115.2	2156.0	2173.9
3661.3	20°	3541.9	3378.8	2864.4	2214.7	1954.0	1965.0	2032.6	2104.3	2149.0	2171.9
3877.2	22.5°	3724.0	3502.1	2778.8	2007.8	1852.6	1903.3	1982.9	2052.5	2099.3	2122.2
4130.9	25°	3932.0	3640.4	2644.5	1833.7	1765.0	1833.7	1913.2	1971.0	2008.8	2029.7
4414.5	27.5°	4162.8	3784.7	2465.4	1695.4	1688.4	1762.0	1827.7	1872.5	1892.4	1908.3
4716.0	30°	4394.6	3916.0	2248.5	1590.9	1621.7	1691.4	1738.1	1758.0	1764.0	1767.0
5052.2	32.5°	4645.3	4029.5	2020.7	1504.3	1558.1	1622.7	1650.6	1659.5	1631.7	1612.8
5460.2	35°	4948.8	4150.8	1797.8	1435.7	1495.4	1551.1	1560.0	1552.1	1519.3	1480.5
5971.6	37.5°	5323.9	4302.1	1619.7	1386.9	1436.7	1473.5	1462.5	1460.6	1463.5	1417.8
6586.4	40°	5783.5	4499.1	1489.4	1349.1	1388.9	1396.9	1366.0	1382.9	1397.9	1328.2
7261.0	42.5°	6293.9	4736.8	1406.8	1323.3	1349.1	1330.2	1282.5	1301.4	1299.4	1207.8
7938.5	45°	6814.3	4995.5	1378.0	1304.3	1312.3	1274.5	1221.8	1226.7	1185.0	1102.4
8588.2	47.5°	7331.6	5273.1	1395.9	1288.4	1266.5	1223.8	1183.0	1161.1	1099.4	1037.7
9211.0	50°	7839.0	5564.6	1461.5	1256.6	1203.9	1179.0	1149.1	1110.3	1044.7	991.9
9800.0	52.5°	8309.6	5858.1	1535.2	1203.9	1125.3	1140.2	1121.3	1076.5	1011.8	958.1
10357.2	55°	8755.4	6151.6	1564.0	1131.2	1051.6	1106.4	1095.4	1012.8	935.2	891.5
10940.2	57.5°	9240.9	6504.8	1532.2	1038.7	991.9	1067.6	1025.8	934.2	889.5	856.6
11699.4	60°	9913.5	7059.0	1463.5	924.3	935.2	1009.9	938.2	900.4	851.7	814.8
12837.5	62.5°	11030.8	8092.7	1353.1	810.9	868.6	924.3	896.4	858.6	808.9	773.1
14783.6	65°	12682.3	9529.4	1145.2	722.3	794.0	840.7	851.7	813.9	762.1	724.3
16488.9	67.5°	14075.2	10430.8	866.6	648.7	717.3	773.1	803.9	767.1	712.4	675.6
16887.9	70°	13998.6	9776.2	661.6	576.1	649.7	706.4	746.2	717.3	658.6	623.8
15339.8	72.5°	12433.6	8178.3	535.3	502.4	581.0	636.8	684.5	662.6	602.9	569.1
11237.7	75°	9134.4	5805.4	427.8	427.8	495.5	564.1	616.9	602.9	548.2	524.3
4717.9	77.5°	3850.4	2435.6	335.3	355.2	411.9	484.5	550.2	555.2	507.4	537.3
1247.6	80°	1023.8	671.6	255.7	279.6	323.4	400.0	478.6	476.6	424.8	397.0
463.6	82.5°	390.0	264.7	182.1	197.0	233.8	306.4	379.1	391.0	339.3	293.5
182.1	85°	150.2	113.4	112.4	118.4	136.3	203.0	286.5	296.5	255.7	216.9
50.7	87.5°	38.8	33.8	41.8	39.8	62.7	108.4	164.2	170.1	156.2	90.5
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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<u>180°</u>
2749.0
2622.6
2430.6
2255.5
2150.0
2120.2
2144.1
2177.9
2177.9
2128.1
2035.6
1914.2
1774.0
1618.7
1482.4
1420.8
1330.2
1206.8
1105.4
1037.7
988.0
959.1
887.5
853.6
812.9
773.1
726.3
676.6
626.8
569.1
517.4
487.5
369.1
293.5
223.9
129.3
0.0

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