

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: P942279

Luminaire Tested: **GALN-SB6A-950-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
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-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

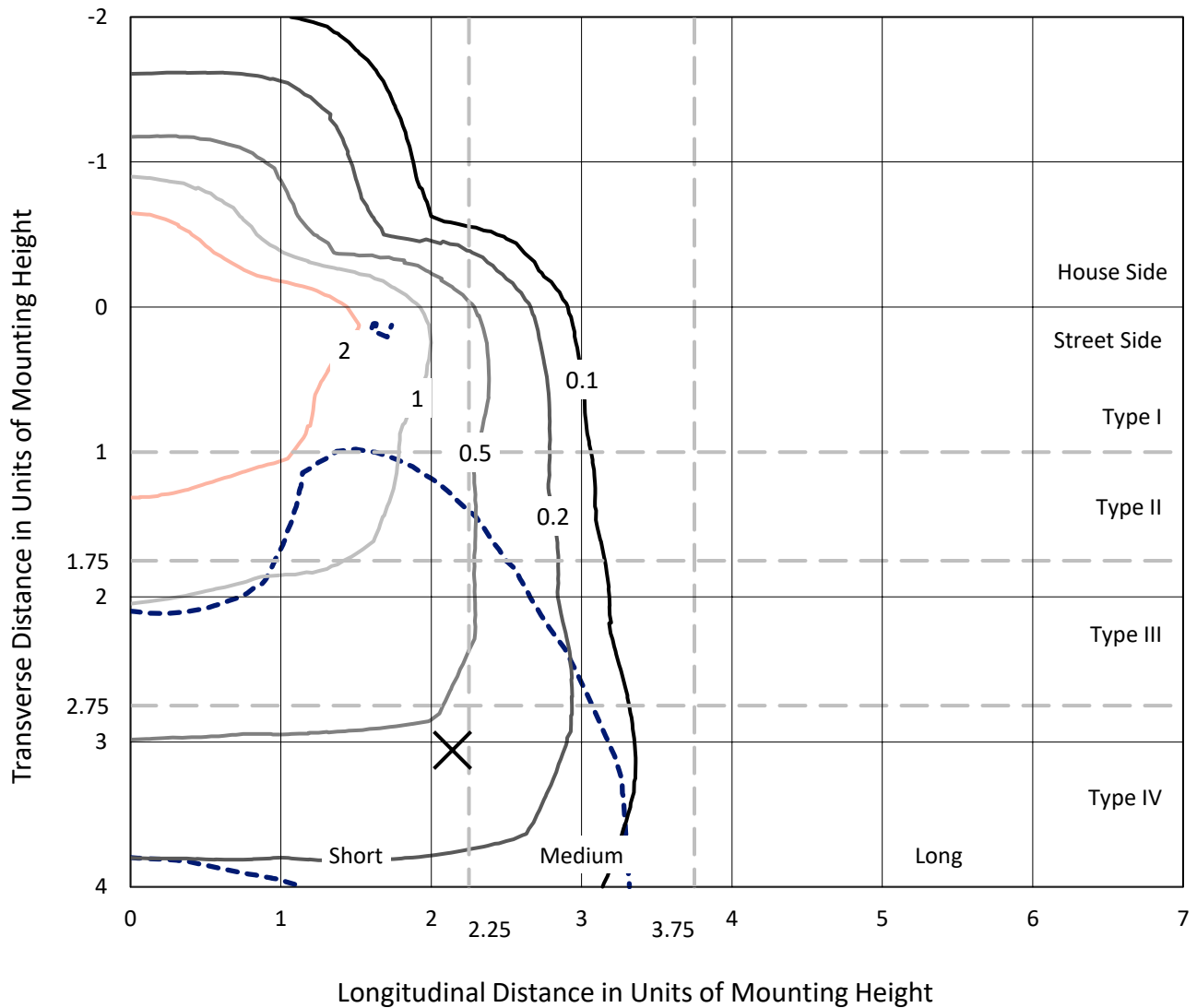
Lumens per Lamp: N/A  
Luminaire Lumens: 18703 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

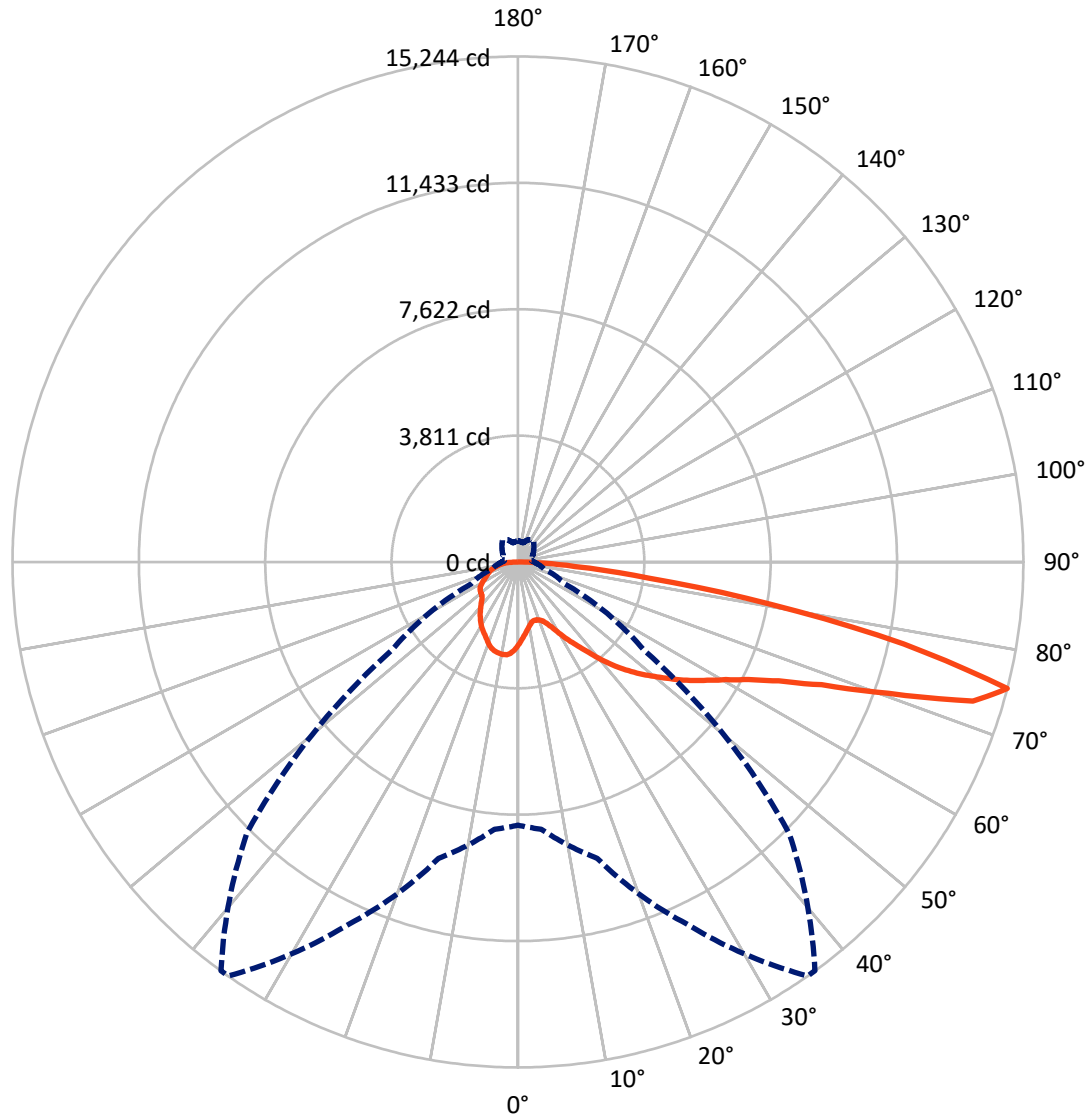
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4450.9	0.0	4450.9
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	14252.2	0.0	14252.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	18703.0	0.0	18703.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.0	1.3
10°-20°	680.6	3.6
20°-30°	1143.0	6.1
30°-40°	1776.3	9.5
40°-50°	2636.6	14.1
50°-60°	3639.9	19.5
60°-70°	4416.1	23.6
70°-80°	3649.6	19.5
80°-90°	524.9	2.8
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°	18703.0	100.0
0°-180°	18703.0	100.0

**Coefficient of Utilization**



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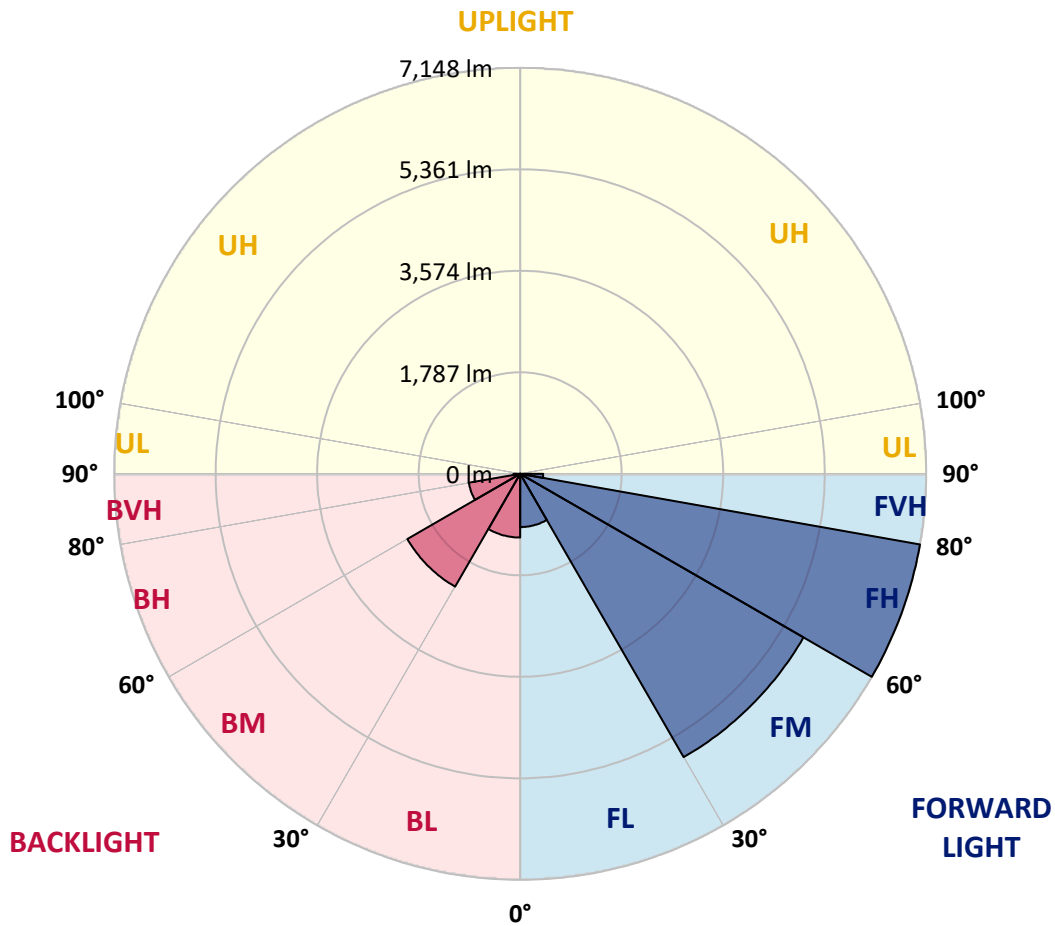
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	937.9	5.0			
FM (30°-60°)	5759.5	30.8			
FH (60°-80°)	7148.0	38.2			G3/7500
FVH (80°-90°)	406.7	2.2			G3/500
BL (0°-30°)	1121.7	6.0	B3/2500		
BM (30°-60°)	2293.3	12.3	B2/2500		
BH (60°-80°)	917.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	118.2	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3
2.5°	2298.2	2312.3	2318.4	2315.4	2330.5	2328.5	2349.7	2376.0	2412.4	2447.8
5°	2121.2	2136.4	2149.5	2161.7	2191.0	2200.1	2233.5	2284.0	2350.8	2418.5
7.5°	1956.4	1969.6	1989.8	2012.0	2061.6	2070.7	2126.3	2205.2	2298.2	2397.3
10°	1822.0	1835.1	1856.3	1881.6	1943.3	1954.4	2025.2	2130.3	2251.7	2377.0
12.5°	1764.3	1768.4	1780.5	1805.8	1859.4	1866.4	1944.3	2064.6	2206.2	2361.9
15°	1761.3	1769.4	1770.4	1783.5	1828.0	1831.1	1902.8	2022.2	2177.9	2358.8
17.5°	1791.6	1797.7	1788.6	1796.7	1834.1	1839.1	1895.8	2001.9	2168.8	2372.0
20°	1872.5	1877.6	1850.3	1839.1	1866.4	1870.5	1926.1	2015.1	2177.9	2399.3
22.5°	2044.4	2047.4	1980.7	1935.2	1937.2	1939.2	1987.8	2068.7	2213.2	2448.8
25°	2312.3	2310.3	2204.1	2116.2	2065.6	2054.5	2086.9	2155.6	2272.9	2514.5
27.5°	2625.8	2610.6	2504.4	2373.0	2262.8	2246.6	2239.5	2268.9	2357.8	2601.5
30°	2979.6	2965.5	2851.2	2679.4	2526.7	2500.4	2433.7	2418.5	2484.2	2719.8
32.5°	3367.9	3358.8	3222.3	3014.0	2809.8	2779.4	2667.2	2626.8	2678.3	2898.8
35°	3693.5	3685.4	3572.1	3357.8	3108.0	3070.6	2956.4	2910.9	2937.2	3128.3
37.5°	3987.7	3983.6	3886.6	3717.7	3459.9	3414.4	3286.0	3270.8	3265.8	3430.6
40°	4260.7	4250.6	4149.5	4060.5	3869.4	3827.9	3714.7	3701.5	3663.1	3802.7
42.5°	4563.0	4536.7	4390.1	4348.6	4297.1	4262.7	4195.0	4197.0	4112.0	4222.3
45°	4809.7	4794.5	4643.9	4619.6	4675.2	4661.1	4719.7	4734.9	4570.1	4662.1
47.5°	5074.6	5060.4	4933.0	4915.8	5066.5	5070.5	5277.8	5282.9	5017.0	5119.1
50°	5401.2	5380.9	5254.6	5275.8	5444.6	5459.8	5839.0	5804.6	5428.5	5583.2
52.5°	5616.5	5628.7	5601.4	5635.7	5866.3	5880.4	6391.0	6303.0	5835.9	6041.2
55°	5775.3	5799.5	5884.5	5963.3	6311.1	6325.3	6911.7	6777.2	6173.6	6465.8
57.5°	5979.5	5945.1	6103.9	6257.5	6733.8	6771.2	7418.3	7234.2	6472.9	6831.8
60°	6272.7	6248.4	6371.8	6599.3	7206.9	7266.6	7954.1	7645.8	6692.3	7122.0
62.5°	6867.2	6806.6	6825.8	7027.0	7803.5	7882.3	8558.8	8004.7	6801.5	7235.3
65°	7756.0	7651.8	7554.8	7694.3	8643.7	8721.5	9241.2	8286.8	6761.1	7015.9
67.5°	8875.2	8772.1	8652.8	8784.2	9881.2	9942.9	10083.5	8445.5	6442.6	6170.6
70°	9798.3	9759.9	9902.5	10443.4	11857.9	11859.9	11163.3	8314.1	5570.0	4374.9
72.5°	9676.0	9652.7	10404.0	12076.3	14349.2	14295.6	12185.5	7319.2	3752.1	1973.6
75°	7938.0	8088.6	9252.4	12047.0	15244.0	15236.9	11559.6	4653.0	1552.0	818.0
77.5°	4256.6	4495.2	6006.8	8894.4	11900.4	12079.3	8127.0	1627.8	666.3	523.7
80°	1388.2	1596.5	2394.2	4528.6	7732.7	7699.3	3483.2	639.0	456.0	371.1
82.5°	589.5	613.7	1069.7	2138.4	3968.5	3906.8	1109.1	367.0	320.5	253.8
85°	230.5	257.8	472.2	988.8	1718.8	1681.4	400.4	182.0	205.2	165.8
87.5°	75.8	92.0	168.8	338.7	534.9	515.6	98.1	62.7	89.0	75.8
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°
2492.3	0°	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3	2492.3
2499.4	2.5°	2513.5	2529.7	2548.9	2577.2	2601.5	2621.7	2643.0	2656.1	2661.2	2676.3
2503.4	5°	2531.7	2567.1	2614.6	2661.2	2706.6	2733.9	2758.2	2770.3	2781.5	2789.6
2514.5	7.5°	2562.1	2607.6	2682.4	2743.0	2781.5	2803.7	2819.9	2815.8	2819.9	2821.9
2526.7	10°	2588.4	2652.1	2741.0	2798.7	2828.0	2829.0	2824.9	2810.8	2803.7	2804.7
2544.9	12.5°	2619.7	2690.5	2786.5	2835.1	2843.1	2820.9	2803.7	2779.4	2770.3	2766.3
2572.2	15°	2662.2	2743.0	2836.1	2854.3	2834.0	2805.7	2776.4	2737.0	2716.8	2700.6
2618.7	17.5°	2713.7	2802.7	2874.5	2861.3	2817.9	2771.4	2723.8	2664.2	2622.7	2605.5
2682.4	20°	2785.5	2865.4	2903.8	2846.2	2780.5	2709.7	2628.8	2556.0	2517.6	2500.4
2763.3	22.5°	2872.5	2949.3	2932.1	2819.9	2726.9	2613.6	2512.5	2458.9	2439.7	2427.6
2867.4	25°	2976.6	3042.3	2952.3	2781.5	2638.9	2486.2	2408.4	2391.2	2382.1	2373.0
2994.8	27.5°	3112.1	3147.5	2967.5	2724.8	2501.4	2350.8	2322.4	2325.5	2322.4	2307.3
3171.7	30°	3291.1	3284.0	2981.7	2632.8	2343.7	2228.4	2230.4	2243.6	2245.6	2235.5
3418.4	32.5°	3526.6	3454.8	2988.7	2513.5	2193.0	2121.2	2123.3	2137.4	2147.5	2130.3
3741.0	35°	3811.8	3654.0	2977.6	2363.9	2076.7	2019.1	2004.0	2008.0	2011.0	1994.9
4132.3	37.5°	4144.4	3877.5	2928.1	2198.1	1980.7	1919.0	1886.7	1859.4	1843.2	1828.0
4575.1	40°	4509.4	4121.1	2837.1	2036.3	1873.5	1812.9	1764.3	1712.8	1658.2	1637.9
5044.3	42.5°	4891.6	4371.9	2726.9	1881.6	1750.2	1700.6	1649.1	1574.2	1492.3	1450.9
5531.6	45°	5287.9	4628.7	2618.7	1728.9	1623.8	1602.6	1542.9	1452.9	1363.9	1311.4
6019.9	47.5°	5676.2	4871.4	2459.9	1575.3	1505.5	1528.7	1482.2	1399.3	1300.2	1217.3
6504.2	50°	6047.2	5098.9	2200.1	1419.6	1409.4	1506.5	1462.0	1342.7	1229.5	1123.3
6979.5	52.5°	6415.3	5282.9	1867.5	1278.0	1357.9	1500.4	1435.7	1304.3	1165.8	1054.6
7426.4	55°	6727.7	5377.9	1546.9	1156.7	1283.1	1448.9	1404.4	1258.8	1075.8	957.5
7732.7	57.5°	6905.6	5301.1	1280.0	1037.4	1179.9	1363.9	1350.8	1161.7	968.6	877.6
7792.4	60°	6828.8	4989.7	1061.6	933.2	1081.9	1271.9	1257.8	1065.7	886.7	800.8
7472.9	62.5°	6405.2	4396.2	888.7	842.2	992.9	1177.9	1164.8	991.9	824.0	741.1
6624.6	65°	5551.8	3576.2	754.3	766.4	902.9	1064.7	1083.9	930.2	774.5	693.6
5125.1	67.5°	4234.4	2590.4	649.1	700.7	814.9	953.4	1009.1	885.7	733.0	656.2
2965.5	70°	2413.4	1471.1	560.1	637.0	737.1	850.3	951.4	850.3	688.5	624.8
1111.2	72.5°	915.0	675.4	484.3	573.3	662.3	763.4	887.7	794.7	637.0	589.5
574.3	75°	488.3	411.5	407.5	498.5	576.3	678.4	807.8	740.1	598.6	622.8
397.4	77.5°	332.6	291.2	340.7	426.7	482.3	584.4	722.9	657.2	518.7	516.7
275.0	80°	230.5	206.3	277.0	343.8	373.1	491.4	630.9	564.2	422.6	394.3
169.9	82.5°	138.5	134.5	207.3	256.8	263.9	379.2	522.7	473.2	345.8	301.3
101.1	85°	75.8	79.9	132.5	150.7	153.7	264.9	409.5	366.0	265.9	223.4
36.4	87.5°	21.2	27.3	48.5	59.7	73.8	137.5	243.7	217.4	133.5	93.0
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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<u>180°</u>
2492.3
2675.3
2791.6
2824.9
2806.7
2764.3
2705.6
2606.6
2498.4
2429.6
2373.0
2310.3
2240.5
2138.4
2006.0
1838.1
1647.0
1455.9
1307.3
1208.2
1114.2
1042.4
947.4
865.5
788.6
728.0
680.5
644.1
616.8
581.4
643.0
476.2
377.1
303.3
225.5
93.0
0.0

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