

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: P942409

Luminaire Tested: **GALN-SB6B-927-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942409
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-SB6B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20543 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

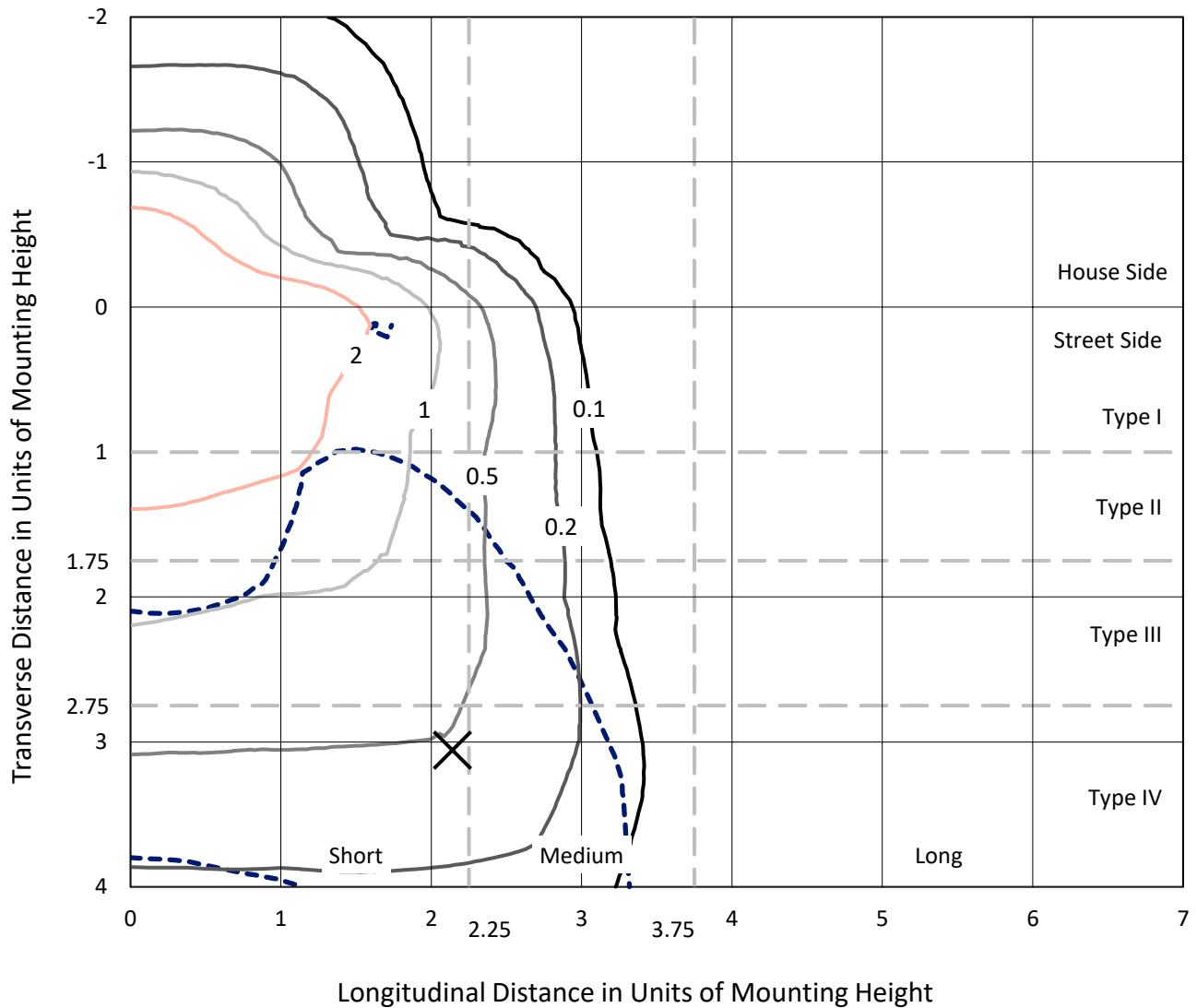
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

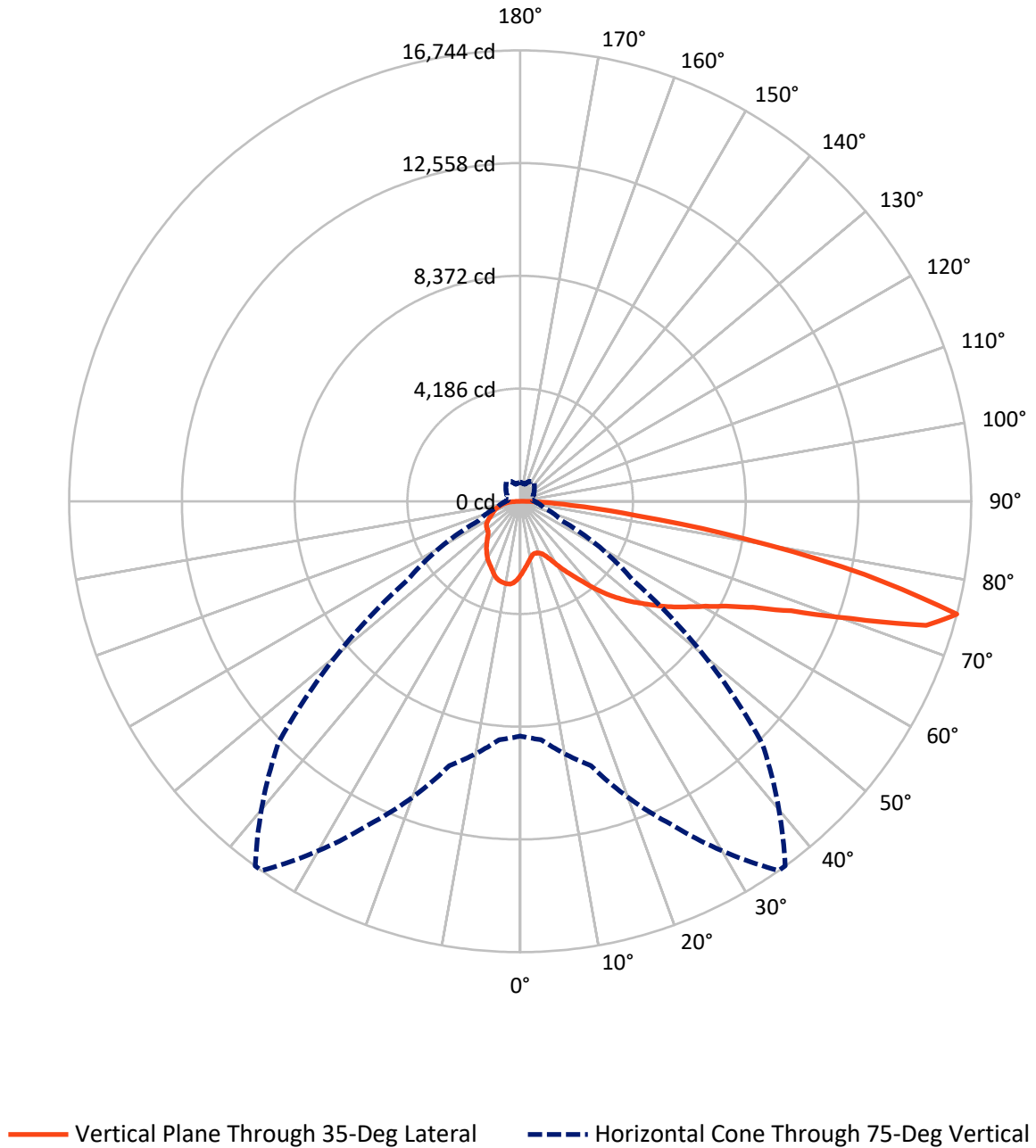
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4888.7	0.0	4888.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	15654.3	0.0	15654.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	20543.0	0.0	20543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.2	1.3
10°-20°	747.6	3.6
20°-30°	1255.4	6.1
30°-40°	1951.1	9.5
40°-50°	2896.0	14.1
50°-60°	3998.0	19.5
60°-70°	4850.5	23.6
70°-80°	4008.6	19.5
80°-90°	576.6	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°	20543.0	100.0
0°-180°	20543.0	100.0

Coefficient of Utilization



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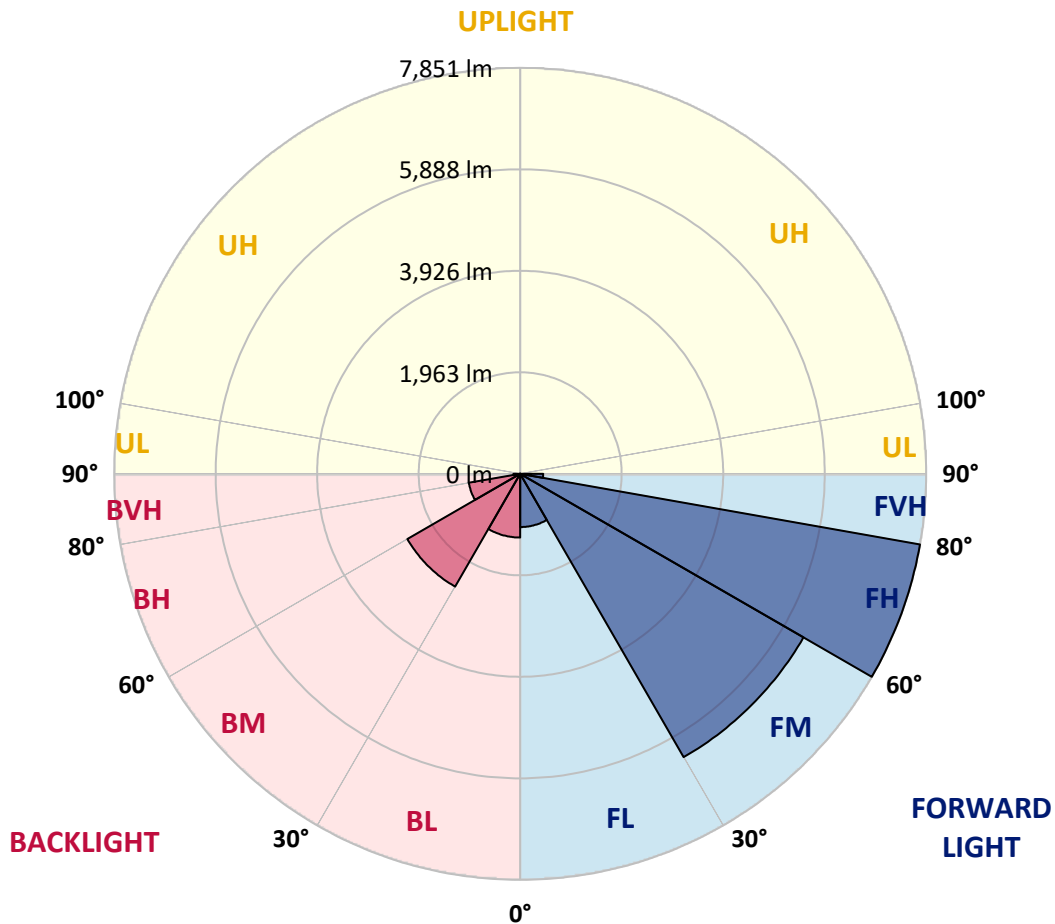
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.2	5.0			
FM (30°-60°)	6326.1	30.8			
FH (60°-80°)	7851.2	38.2			G4/12000
FVH (80°-90°)	446.7	2.2			G3/500
BL (0°-30°)	1232.0	6.0	B3/2500		
BM (30°-60°)	2519.0	12.3	B3/5000		
BH (60°-80°)	1007.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	129.8	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5
2.5°	2524.3	2539.8	2546.5	2543.1	2559.8	2557.6	2580.9	2609.8	2649.8	2688.6
5°	2329.9	2346.6	2361.0	2374.3	2406.6	2416.5	2453.2	2508.7	2582.0	2656.4
7.5°	2148.9	2163.3	2185.6	2210.0	2264.4	2274.4	2335.5	2422.1	2524.3	2633.1
10°	2001.2	2015.6	2039.0	2066.7	2134.5	2146.7	2224.4	2339.9	2473.2	2610.9
12.5°	1937.9	1942.3	1955.7	1983.4	2042.3	2050.1	2135.6	2267.7	2423.2	2594.2
15°	1934.6	1943.5	1944.6	1959.0	2007.9	2011.2	2090.0	2221.1	2392.1	2590.9
17.5°	1967.9	1974.5	1964.6	1973.4	2014.5	2020.1	2082.3	2198.9	2382.1	2605.3
20°	2056.7	2062.3	2032.3	2020.1	2050.1	2054.5	2115.6	2213.3	2392.1	2635.3
22.5°	2245.5	2248.9	2175.6	2125.6	2127.8	2130.0	2183.3	2272.2	2431.0	2689.7
25°	2539.8	2537.6	2421.0	2324.4	2268.8	2256.6	2292.2	2367.7	2496.5	2761.9
27.5°	2884.1	2867.4	2750.8	2606.4	2485.4	2467.6	2459.9	2492.1	2589.8	2857.4
30°	3272.8	3257.2	3131.7	2942.9	2775.3	2746.4	2673.1	2656.4	2728.6	2987.4
32.5°	3699.2	3689.2	3539.3	3310.5	3086.2	3052.9	2929.6	2885.2	2941.8	3183.9
35°	4056.8	4047.9	3923.6	3688.1	3413.8	3372.7	3247.2	3197.3	3226.1	3436.0
37.5°	4380.0	4375.5	4268.9	4083.5	3800.3	3750.3	3609.3	3592.6	3587.1	3768.1
40°	4679.8	4668.7	4557.7	4459.9	4250.1	4204.5	4080.1	4065.7	4023.5	4176.8
42.5°	5011.9	4983.0	4822.0	4776.5	4719.8	4682.1	4607.7	4609.9	4516.6	4637.6
45°	5282.9	5266.2	5100.7	5074.1	5135.2	5119.6	5184.0	5200.7	5019.7	5120.7
47.5°	5573.8	5558.3	5418.3	5399.5	5564.9	5569.4	5797.0	5802.6	5510.5	5622.7
50°	5932.5	5910.3	5771.5	5794.8	5980.3	5996.9	6413.4	6375.6	5962.5	6132.4
52.5°	6169.1	6182.4	6152.4	6190.2	6443.4	6458.9	7019.8	6923.1	6410.1	6635.5
55°	6343.4	6370.1	6463.4	6550.0	6932.0	6947.6	7591.7	7444.0	6781.0	7101.9
57.5°	6567.8	6530.0	6704.4	6873.2	7396.2	7437.3	8148.1	7946.0	7109.7	7504.0
60°	6889.8	6863.2	6998.7	7248.5	7916.0	7981.5	8736.7	8397.9	7350.7	7822.7
62.5°	7542.8	7476.2	7497.3	7718.3	8571.2	8657.8	9400.8	8792.2	7470.6	7947.1
65°	8519.0	8404.6	8298.0	8451.2	9494.1	9579.6	10150.4	9102.0	7426.2	7706.1
67.5°	9748.4	9635.1	9504.0	9648.4	10853.4	10921.1	11075.5	9276.4	7076.4	6777.7
70°	10762.3	10720.1	10876.7	11470.8	13024.5	13026.7	12261.5	9132.0	6118.0	4805.3
72.5°	10627.9	10602.4	11427.5	13264.4	15760.9	15702.0	13384.3	8039.2	4121.2	2167.8
75°	8718.9	8884.4	10162.6	13232.1	16743.7	16735.9	12696.9	5110.7	1704.7	898.4
77.5°	4675.4	4937.5	6597.7	9769.5	13071.1	13267.7	8926.6	1788.0	731.8	575.3
80°	1524.8	1753.6	2629.8	4974.1	8493.4	8456.8	3825.8	701.9	500.9	407.6
82.5°	647.4	674.1	1175.0	2348.8	4358.9	4291.1	1218.3	403.1	352.0	278.7
85°	253.2	283.2	518.6	1086.1	1887.9	1846.8	439.8	199.9	225.4	182.1
87.5°	83.3	101.1	185.5	372.0	587.5	566.4	107.7	68.9	97.7	83.3
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°
2737.5	0°	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5
2745.3	2.5°	2760.8	2778.6	2799.7	2830.8	2857.4	2879.6	2903.0	2917.4	2923.0	2939.6
2749.7	5°	2780.8	2819.7	2871.9	2923.0	2972.9	3002.9	3029.6	3042.9	3055.1	3064.0
2761.9	7.5°	2814.1	2864.1	2946.3	3012.9	3055.1	3079.5	3097.3	3092.9	3097.3	3099.5
2775.3	10°	2843.0	2913.0	3010.7	3074.0	3106.2	3107.3	3102.9	3087.3	3079.5	3080.7
2795.2	12.5°	2877.4	2955.2	3060.7	3114.0	3122.9	3098.4	3079.5	3052.9	3042.9	3038.5
2825.2	15°	2924.1	3012.9	3115.1	3135.1	3112.9	3081.8	3049.6	3006.2	2984.0	2966.3
2876.3	17.5°	2980.7	3078.4	3157.3	3142.8	3095.1	3044.0	2991.8	2926.3	2880.8	2861.9
2946.3	20°	3059.6	3147.3	3189.5	3126.2	3054.0	2976.3	2887.4	2807.5	2765.3	2746.4
3035.1	22.5°	3155.1	3239.5	3220.6	3097.3	2995.1	2870.8	2759.7	2700.8	2679.7	2666.4
3149.5	25°	3269.4	3341.6	3242.8	3055.1	2898.5	2730.8	2645.3	2626.4	2616.4	2606.4
3289.4	27.5°	3418.3	3457.1	3259.4	2992.9	2747.5	2582.0	2550.9	2554.3	2550.9	2534.3
3483.8	30°	3614.8	3607.1	3275.0	2891.9	2574.2	2447.6	2449.9	2464.3	2466.5	2455.4
3754.8	32.5°	3873.6	3794.7	3282.8	2760.8	2408.8	2329.9	2332.1	2347.7	2358.8	2339.9
4109.0	35°	4186.8	4013.5	3270.6	2596.5	2281.1	2217.8	2201.1	2205.5	2208.9	2191.1
4538.8	37.5°	4552.1	4258.9	3216.1	2414.3	2175.6	2107.8	2072.3	2042.3	2024.5	2007.9
5025.2	40°	4953.0	4526.6	3116.2	2236.6	2057.8	1991.2	1937.9	1881.3	1821.3	1799.1
5540.5	42.5°	5372.8	4802.0	2995.1	2066.7	1922.4	1867.9	1811.3	1729.1	1639.2	1593.6
6075.8	45°	5808.2	5084.1	2876.3	1899.0	1783.5	1760.2	1694.7	1595.9	1498.1	1440.4
6612.2	47.5°	6234.6	5350.6	2702.0	1730.2	1653.6	1679.1	1628.1	1537.0	1428.2	1337.1
7144.1	50°	6642.2	5600.5	2416.5	1559.2	1548.1	1654.7	1605.8	1474.8	1350.4	1233.8
7666.1	52.5°	7046.4	5802.6	2051.2	1403.7	1491.5	1648.0	1577.0	1432.6	1280.5	1158.3
8157.0	55°	7389.6	5907.0	1699.1	1270.5	1409.3	1591.4	1542.5	1382.6	1181.6	1051.7
8493.4	57.5°	7585.0	5822.6	1406.0	1139.4	1296.0	1498.1	1483.7	1276.0	1063.9	964.0
8559.0	60°	7500.6	5480.5	1166.1	1025.0	1188.3	1397.1	1381.5	1170.5	973.9	879.6
8208.0	62.5°	7035.3	4828.7	976.2	925.1	1090.6	1293.8	1279.3	1089.4	905.1	814.0
7276.3	65°	6098.0	3928.0	828.5	841.8	991.7	1169.4	1190.5	1021.7	850.7	761.8
5629.4	67.5°	4651.0	2845.2	713.0	769.6	895.1	1047.2	1108.3	972.8	805.1	720.7
3257.2	70°	2650.9	1615.8	615.2	699.6	809.6	934.0	1045.0	934.0	756.3	686.3
1220.5	72.5°	1005.0	741.8	532.0	629.7	727.4	838.5	975.1	872.9	699.6	647.4
630.8	75°	536.4	452.0	447.5	547.5	633.0	745.2	887.3	812.9	657.4	684.1
436.4	77.5°	365.4	319.8	374.3	468.7	529.7	641.9	794.0	721.9	569.7	567.5
302.1	80°	253.2	226.6	304.3	377.6	409.8	539.7	693.0	619.7	464.2	433.1
186.6	82.5°	152.1	147.7	227.7	282.1	289.9	416.5	574.2	519.7	379.8	330.9
111.1	85°	83.3	87.7	145.5	165.5	168.8	291.0	449.8	402.0	292.1	245.4
40.0	87.5°	23.3	30.0	53.3	65.5	81.1	151.0	267.6	238.8	146.6	102.2
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>
2737.5
2938.5
3066.2
3102.9
3082.9
3036.2
2971.8
2863.0
2744.2
2668.6
2606.4
2537.6
2461.0
2348.8
2203.3
2019.0
1809.1
1599.2
1435.9
1327.1
1223.8
1145.0
1040.6
950.6
866.2
799.6
747.4
707.4
677.4
638.6
706.3
523.1
414.2
333.2
247.7
102.2
0.0

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