

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: P942447

Luminaire Tested: **GALN-SB6B-950-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942447  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB6B-950-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

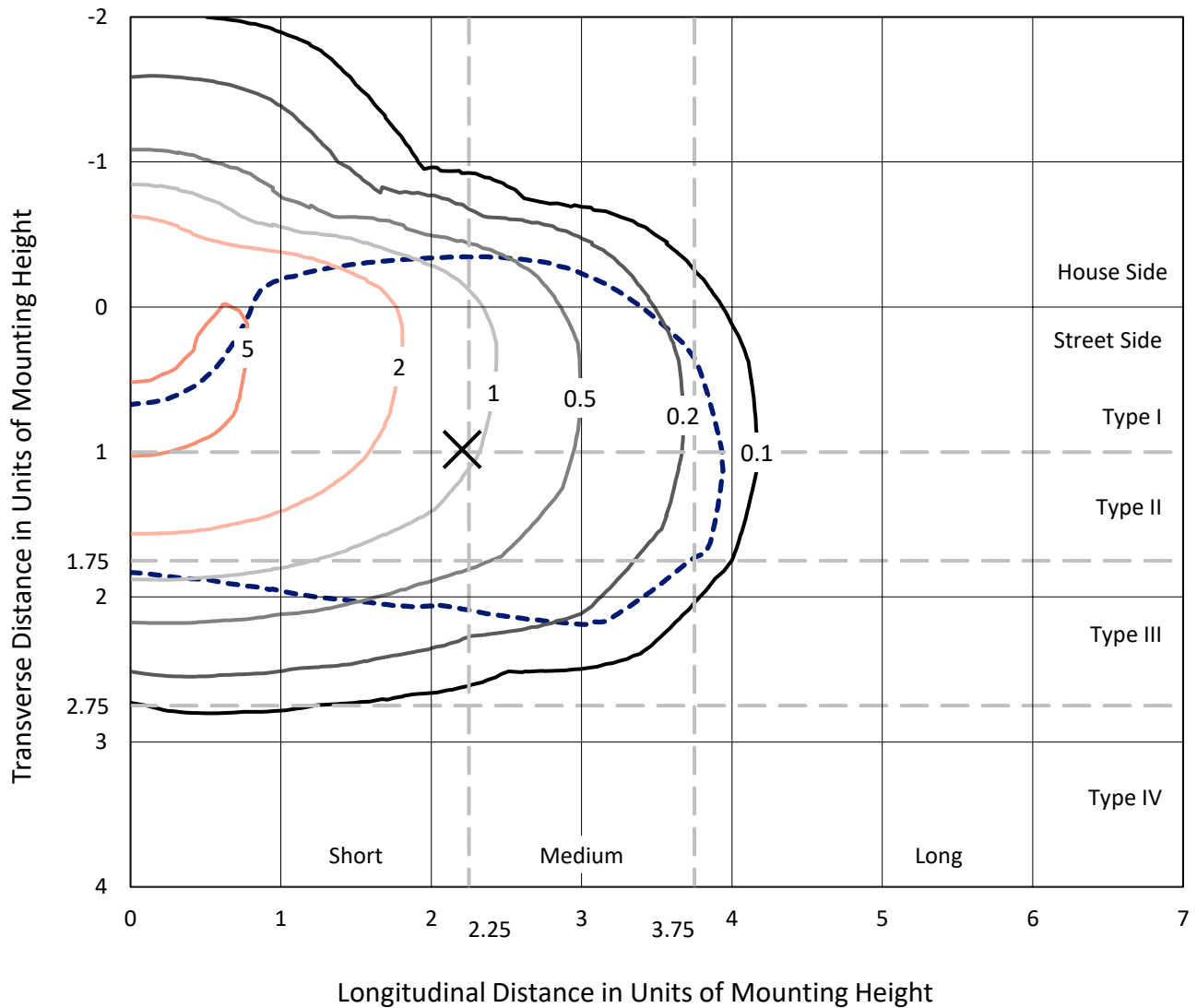
Lumens per Lamp: N/A  
Luminaire Lumens: 23770 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

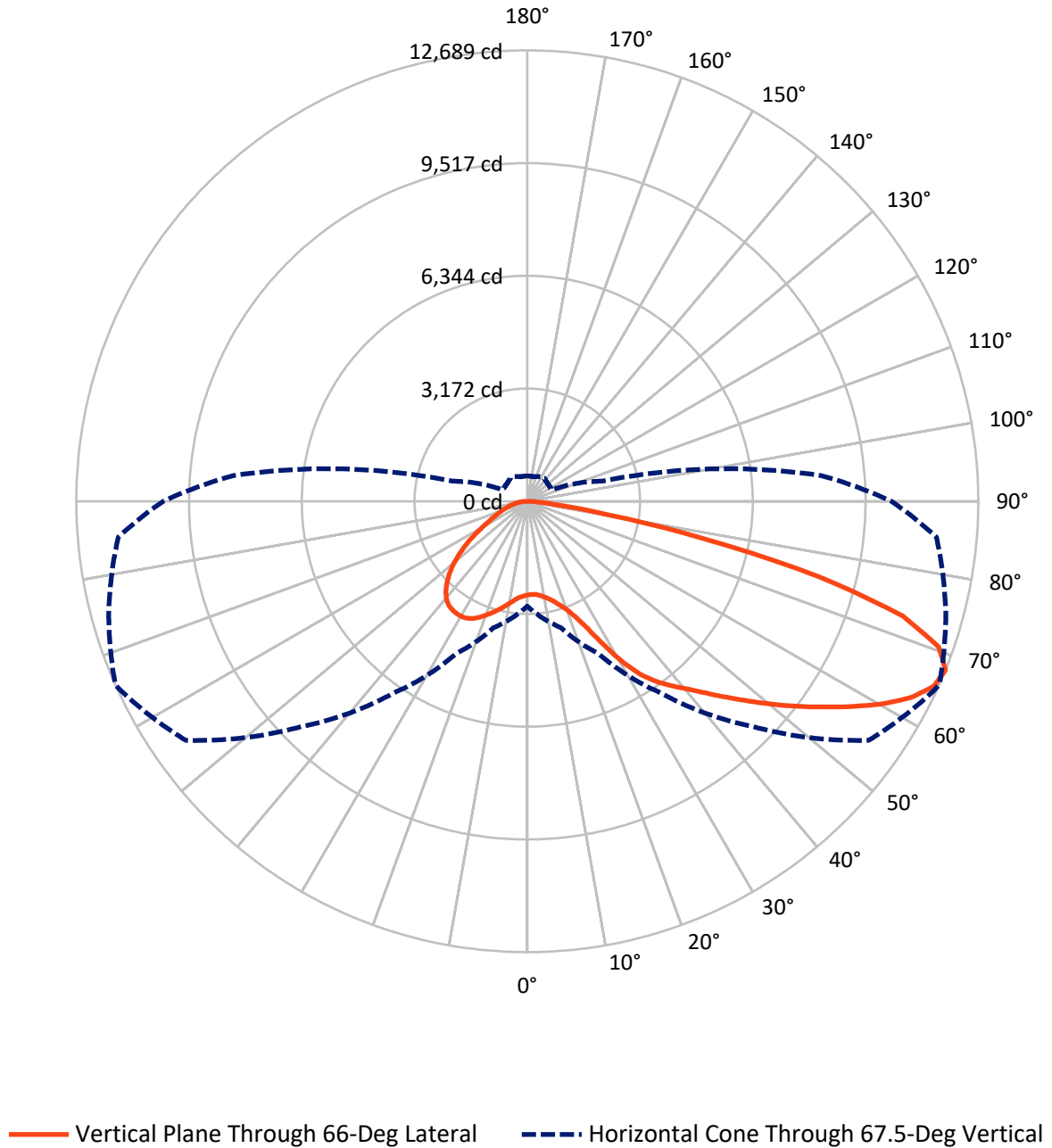
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5910.4	0.0	5910.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	17859.7	0.0	17859.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	23770.0	0.0	23770.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.4	1.1
10°-20°	863.6	3.6
20°-30°	1664.5	7.0
30°-40°	2918.5	12.3
40°-50°	4338.9	18.3
50°-60°	5500.0	23.1
60°-70°	5381.6	22.6
70°-80°	2567.1	10.8
80°-90°	274.3	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°	23770.0	100.0
0°-180°	23770.0	100.0

**Coefficient of Utilization**



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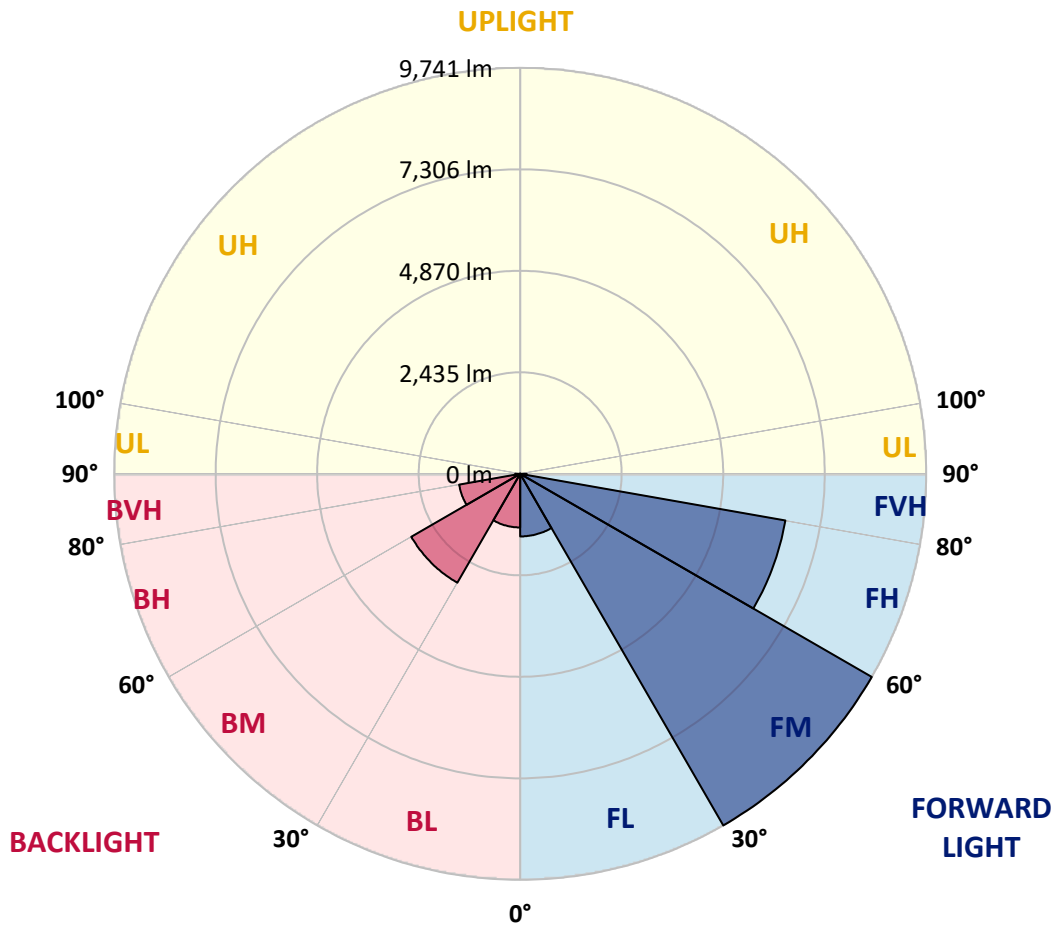
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1502.0	6.3			
FM (30°-60°)	9740.7	41.0			
FH (60°-80°)	6461.3	27.2			G3/7500
FVH (80°-90°)	155.5	0.7			G2/225
BL (0°-30°)	1287.5	5.4	B3/2500		
BM (30°-60°)	3016.7	12.7	B3/5000		
BH (60°-80°)	1487.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	118.8	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4
2.5°	2608.9	2623.9	2620.2	2613.9	2612.7	2615.2	2618.9	2622.7	2621.4	2627.7
5°	2601.4	2616.4	2615.2	2615.2	2620.2	2630.2	2636.4	2642.7	2636.4	2643.9
7.5°	2606.4	2617.7	2622.7	2627.7	2640.2	2658.9	2673.9	2687.6	2680.1	2688.9
10°	2670.1	2678.9	2683.9	2683.9	2692.6	2713.8	2728.8	2753.8	2747.6	2761.3
12.5°	2786.3	2795.0	2795.0	2790.0	2796.3	2810.0	2815.0	2842.5	2831.2	2853.7
15°	2928.6	2946.1	2932.4	2923.7	2926.1	2939.9	2938.6	2959.9	2948.6	2967.4
17.5°	3086.0	3108.5	3086.0	3084.8	3079.8	3094.7	3096.0	3114.7	3094.7	3108.5
20°	3272.1	3303.3	3284.6	3290.8	3279.6	3285.8	3292.1	3319.6	3288.3	3298.3
22.5°	3534.4	3571.8	3551.8	3575.6	3568.1	3563.1	3561.8	3610.5	3561.8	3565.6
25°	3916.5	3961.5	3926.5	3959.0	3959.0	3975.2	3994.0	4056.4	3975.2	3951.5
27.5°	4481.0	4526.0	4457.3	4477.3	4471.0	4511.0	4491.0	4645.9	4558.4	4519.7
30°	5160.4	5240.3	5110.5	5105.5	5099.2	5162.9	5191.6	5294.0	5205.4	5166.7
32.5°	5894.8	5978.4	5823.6	5778.6	5754.9	5793.6	5769.9	5852.3	5791.1	5731.2
35°	6671.6	6754.0	6606.6	6519.2	6424.3	6343.1	6258.2	6279.4	6222.0	6130.8
37.5°	7405.9	7557.0	7400.9	7307.3	7132.4	6973.8	6736.5	6637.9	6584.1	6500.5
40°	8154.0	8240.2	8121.5	8041.6	7851.8	7603.2	7223.6	7015.0	6942.6	6861.4
42.5°	8704.8	8787.2	8723.5	8668.5	8519.9	8231.4	7740.6	7479.6	7374.7	7283.5
45°	9141.9	9203.1	9163.1	9183.1	9119.4	8839.6	8276.4	7977.9	7869.3	7758.1
47.5°	9318.0	9382.9	9446.6	9565.2	9673.9	9467.8	8852.1	8517.4	8402.5	8288.9
50°	9298.0	9364.2	9549.0	9801.3	10138.5	10069.8	9459.1	9091.9	8985.8	8855.9
52.5°	9138.1	9213.1	9450.4	9870.0	10407.0	10520.7	10077.3	9685.1	9585.2	9430.4
55°	8718.5	8763.5	9119.4	9713.9	10470.7	10835.4	10683.0	10317.1	10217.2	10001.1
57.5°	7940.4	8005.4	8523.7	9293.0	10310.8	11048.9	11215.0	10981.5	10885.3	10574.4
60°	6925.1	7028.8	7622.0	8586.1	9903.7	11047.7	11698.4	11634.7	11554.7	11138.9
62.5°	5776.1	5896.0	6466.8	7587.0	9191.8	10734.2	12000.6	12181.7	12140.5	11659.6
65°	4436.1	4518.5	5086.7	6294.4	8084.1	10061.1	12035.6	12555.1	12562.6	12055.5
67.5°	2953.6	3190.9	3684.2	4723.3	6600.4	8960.8	11728.3	12616.3	12688.7	12191.7
70°	1441.2	1753.4	2236.8	3069.8	4723.3	7273.5	10925.3	12114.2	12275.3	11794.5
72.5°	598.2	699.4	962.9	1514.9	2711.3	4908.1	9311.7	10752.9	11051.4	10450.7
75°	403.4	437.1	550.8	776.8	1235.2	2420.3	6715.3	8017.9	8498.7	7893.0
77.5°	311.0	332.2	400.9	543.3	734.3	915.4	3594.3	4832.0	5080.5	4703.3
80°	244.8	261.0	299.7	395.9	520.8	489.6	1225.2	2189.3	2332.9	1957.0
82.5°	212.3	218.6	214.8	268.5	345.9	286.0	402.1	808.0	891.7	646.9
85°	153.6	171.1	178.6	166.1	183.6	144.9	164.9	286.0	314.7	281.0
87.5°	62.4	92.4	113.6	107.4	67.4	41.2	51.2	83.7	96.2	104.9
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°
2636.4	0°	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4
2637.7	2.5°	2638.9	2647.6	2653.9	2661.4	2666.4	2673.9	2688.9	2697.6	2698.9	2705.1
2657.6	5°	2662.6	2675.1	2688.9	2708.8	2731.3	2750.1	2778.8	2798.8	2806.3	2812.5
2706.3	7.5°	2713.8	2731.3	2756.3	2791.3	2823.7	2848.7	2883.7	2907.4	2931.1	2939.9
2783.8	10°	2790.0	2815.0	2851.2	2898.7	2933.6	2966.1	3002.3	3022.3	3046.0	3056.0
2876.2	12.5°	2884.9	2911.2	2958.6	3024.8	3057.3	3079.8	3092.3	3087.3	3092.3	3101.0
2987.3	15°	2993.6	3022.3	3076.0	3147.2	3169.7	3149.7	3122.2	3097.2	3093.5	3096.0
3122.2	17.5°	3122.2	3143.5	3205.9	3265.8	3249.6	3167.2	3107.2	3067.3	3047.3	3041.0
3294.6	20°	3302.1	3302.1	3353.3	3390.7	3282.1	3142.2	3048.5	2983.6	2942.4	2924.9
3529.4	22.5°	3520.6	3500.6	3533.1	3506.9	3275.8	3072.3	2942.4	2830.0	2767.5	2742.6
3857.8	25°	3797.9	3774.1	3765.4	3603.0	3230.9	2961.1	2750.1	2613.9	2559.0	2545.2
4331.2	27.5°	4216.3	4156.3	4042.7	3655.5	3148.5	2786.3	2525.3	2399.1	2367.9	2369.1
4939.4	30°	4773.3	4653.4	4374.9	3664.2	3013.6	2539.0	2295.5	2205.5	2190.6	2196.8
5450.2	32.5°	5289.0	5175.4	4714.6	3624.3	2806.3	2296.7	2089.4	2029.4	2007.0	2014.5
5839.8	35°	5693.7	5662.5	5029.3	3568.1	2551.5	2069.4	1904.6	1853.4	1809.6	1799.7
6207.0	37.5°	6075.9	6063.4	5265.3	3489.4	2299.2	1908.3	1755.9	1688.5	1624.8	1589.8
6612.9	40°	6495.5	6483.0	5420.2	3368.3	2075.7	1768.4	1622.3	1533.6	1455.0	1391.3
7072.5	42.5°	6967.6	6893.9	5493.9	3194.7	1885.8	1649.8	1513.7	1393.8	1290.1	1231.4
7592.0	45°	7483.3	7317.2	5492.6	2973.6	1726.0	1541.1	1397.5	1227.7	1131.5	1076.5
8125.3	47.5°	8030.4	7721.9	5425.2	2728.8	1571.1	1421.2	1217.7	1087.8	1024.1	990.4
8704.8	50°	8594.9	8100.3	5310.3	2447.8	1412.5	1285.1	1105.3	1016.6	967.9	936.7
9279.3	52.5°	9125.6	8443.7	5171.7	2129.4	1251.4	1152.7	1055.3	986.6	935.4	900.4
9836.3	55°	9619.0	8739.7	4975.6	1803.4	1120.3	1064.1	1031.6	974.1	915.4	874.2
10402.0	57.5°	10057.3	8932.1	4637.1	1497.4	1026.6	1002.9	1006.6	952.9	885.5	850.5
10959.0	60°	10422.0	9073.2	4136.3	1213.9	950.4	942.9	967.9	912.9	834.3	794.3
11429.8	62.5°	10640.5	9070.7	3521.9	994.1	885.5	888.0	916.7	863.0	783.1	745.6
11675.9	65°	10621.8	8848.4	2847.5	850.5	823.0	825.5	863.0	808.0	740.6	718.1
11552.2	67.5°	10245.9	8306.4	2184.3	756.8	754.3	765.6	809.3	770.6	714.4	711.9
10815.4	70°	9228.0	7181.1	1573.6	681.9	683.1	699.4	756.8	746.8	700.6	705.6
9093.2	72.5°	7399.7	5475.1	1056.6	603.2	604.5	630.7	706.9	728.1	686.9	753.1
6451.8	75°	4928.1	3414.5	679.4	519.5	520.8	554.5	663.2	691.9	649.4	750.6
3357.0	77.5°	2367.9	1534.9	492.1	437.1	437.1	468.3	573.2	619.4	553.3	583.2
1079.0	80°	818.0	577.0	387.2	352.2	344.7	365.9	483.3	537.0	477.1	439.6
352.2	82.5°	322.2	299.7	311.0	273.5	248.5	262.3	375.9	443.4	350.9	317.2
198.6	85°	184.8	194.8	219.8	181.1	143.6	161.1	276.0	318.5	264.8	233.5
64.9	87.5°	50.0	68.7	101.2	93.7	64.9	68.7	131.1	176.1	152.4	117.4
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>
2636.4
2703.8
2811.3
2941.1
3061.0
3103.5
3104.7
3049.8
2921.2
2738.8
2547.7
2372.9
2218.0
2024.5
1807.1
1591.1
1397.5
1235.2
1074.0
982.9
925.4
885.5
858.0
828.0
776.8
734.3
716.9
715.6
704.4
763.1
756.8
534.5
412.1
316.0
238.5
121.1
0.0

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