

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: P848658

Luminaire Tested: **GLAN-SB5B-827-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848658  
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-SB5B-827-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22695 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

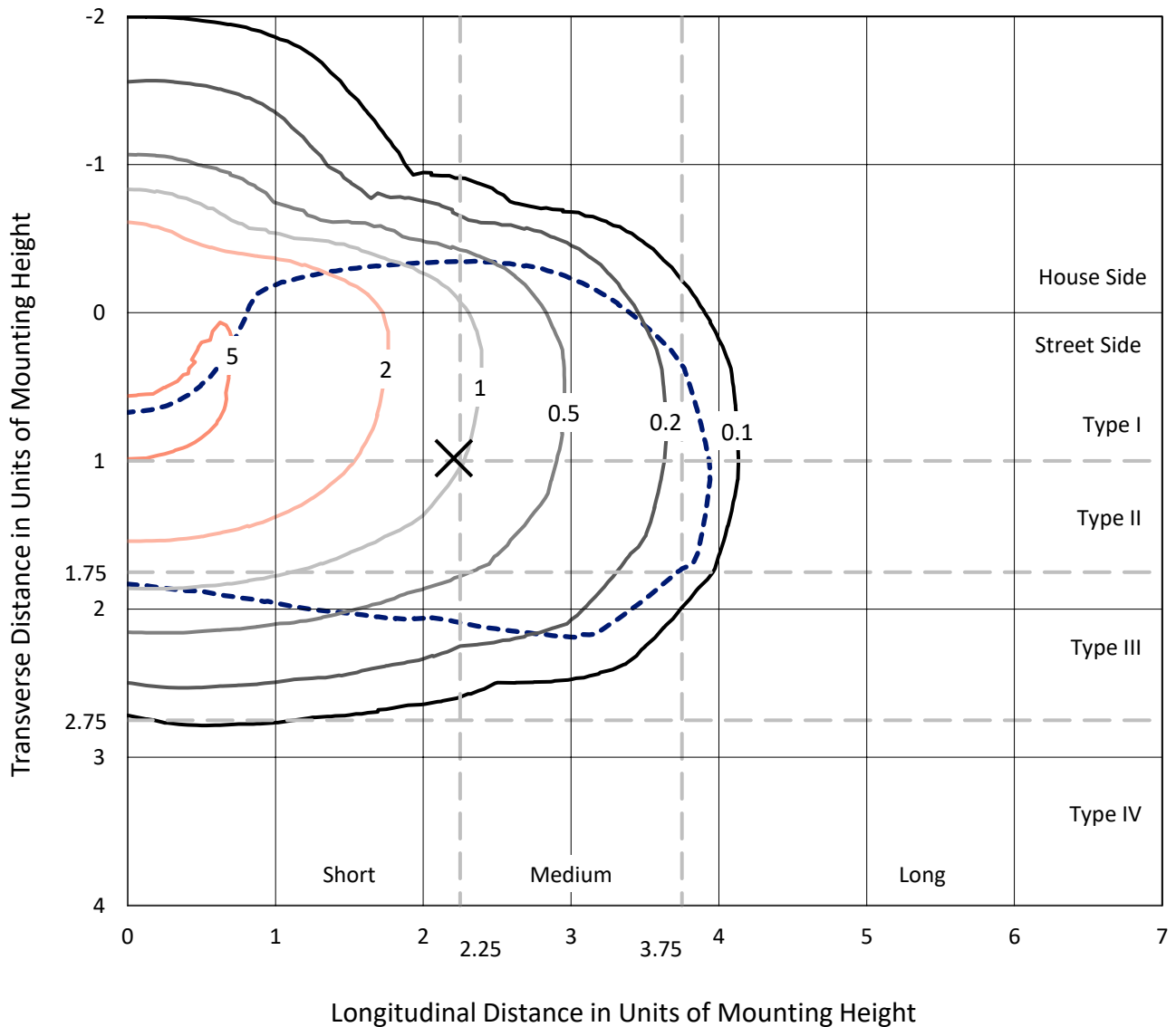
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

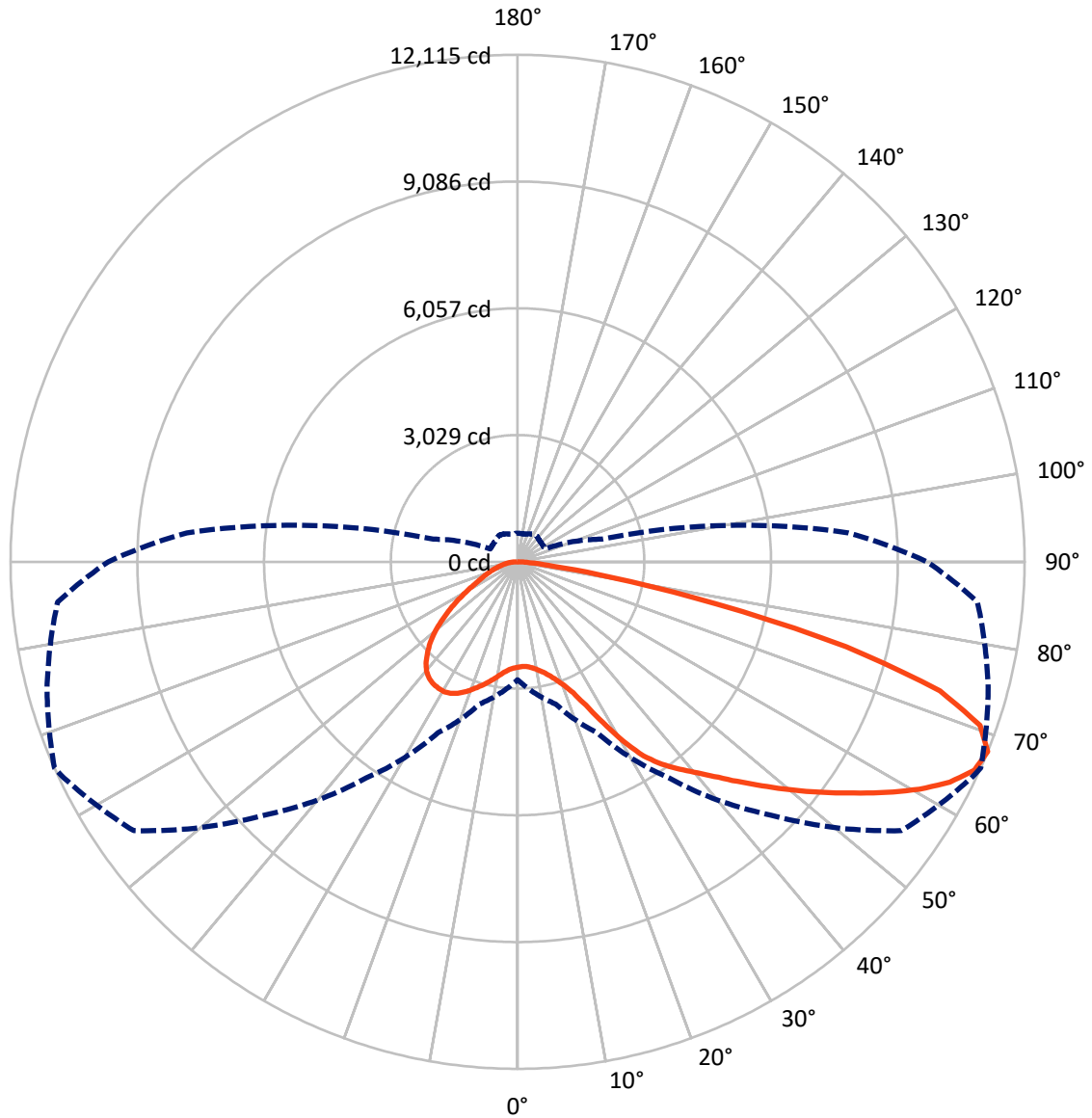
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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
<b>House Side</b>	Lumens	5643.0	0.0	5643.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	17052.0	0.0	17052.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	22695.0	0.0	22695.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.6	1.1
10°-20°	824.5	3.6
20°-30°	1589.3	7.0
30°-40°	2786.6	12.3
40°-50°	4142.7	18.3
50°-60°	5251.3	23.1
60°-70°	5138.2	22.6
70°-80°	2451.0	10.8
80°-90°	261.9	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°	22695.0	100.0
0°-180°	22695.0	100.0

**Coefficient of Utilization**



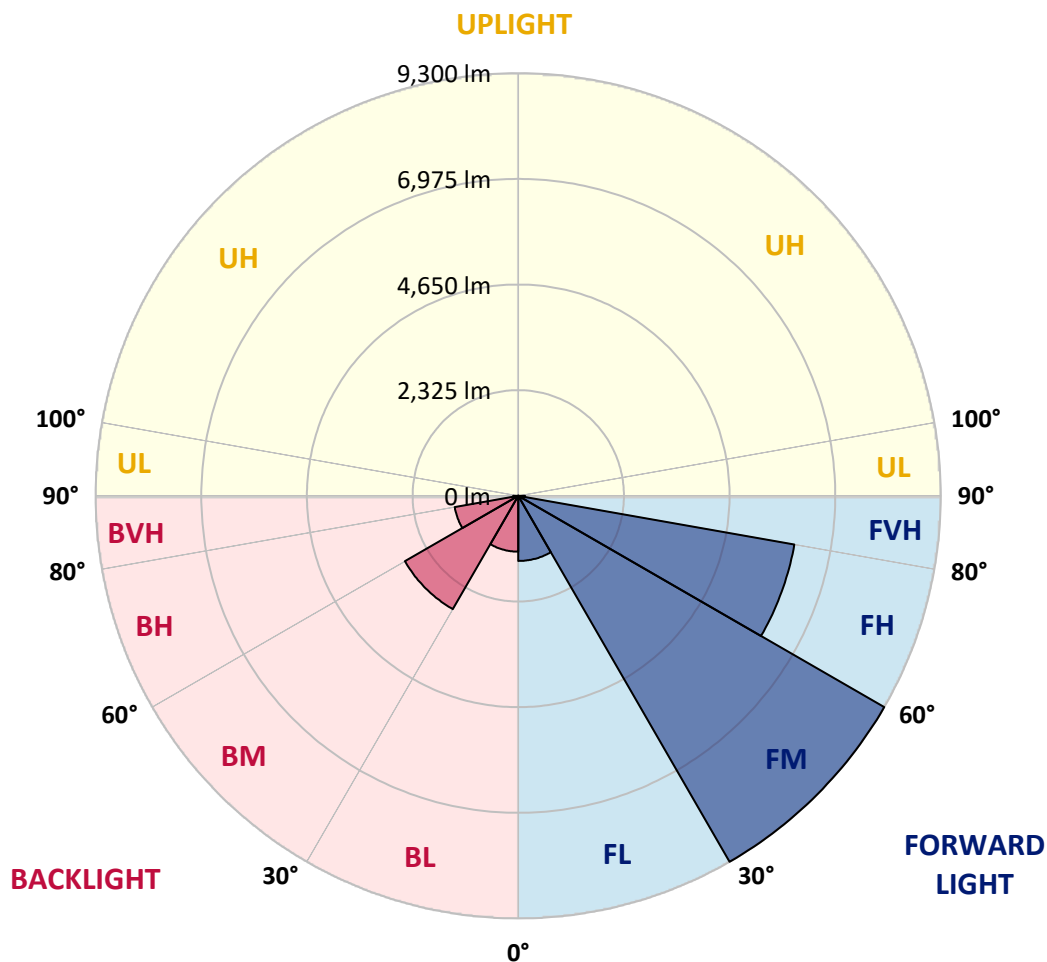
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1434.1	6.3			
FM (30°-60°)	9300.2	41.0			
FH (60°-80°)	6169.1	27.2			G3/7500
FVH (80°-90°)	148.5	0.7			G2/225
BL (0°-30°)	1229.3	5.4	B3/2500		
BM (30°-60°)	2880.3	12.7	B3/5000		
BH (60°-80°)	1420.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	113.4	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°	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2
2.5°	2490.9	2505.3	2501.7	2495.7	2494.5	2496.9	2500.5	2504.1	2502.9	2508.8
5°	2483.8	2498.1	2496.9	2496.9	2501.7	2511.2	2517.2	2523.1	2517.2	2524.3
7.5°	2488.6	2499.3	2504.1	2508.8	2520.8	2538.6	2552.9	2566.1	2558.9	2567.3
10°	2549.4	2557.7	2562.5	2562.5	2570.8	2591.1	2605.4	2629.3	2623.3	2636.4
12.5°	2660.3	2668.6	2668.6	2663.8	2669.8	2682.9	2687.7	2713.9	2703.2	2724.7
15°	2796.2	2812.9	2799.8	2791.4	2793.8	2806.9	2805.7	2826.0	2815.3	2833.2
17.5°	2946.4	2967.9	2946.4	2945.3	2940.5	2954.8	2956.0	2973.9	2954.8	2967.9
20°	3124.1	3153.9	3136.0	3142.0	3131.3	3137.2	3143.2	3169.4	3139.6	3149.2
22.5°	3374.5	3410.3	3391.2	3413.9	3406.7	3401.9	3400.8	3447.3	3400.8	3404.3
25°	3739.4	3782.3	3748.9	3779.9	3779.9	3795.4	3813.3	3872.9	3795.4	3772.8
27.5°	4278.4	4321.3	4255.7	4274.8	4268.8	4307.0	4287.9	4435.8	4352.3	4315.3
30°	4927.0	5003.3	4879.3	4874.6	4868.6	4929.4	4956.8	5054.6	4970.0	4933.0
32.5°	5628.2	5708.1	5560.2	5517.3	5494.6	5531.6	5508.9	5587.6	5529.2	5472.0
35°	6369.8	6448.5	6307.8	6224.4	6133.8	6056.2	5975.2	5995.4	5940.6	5853.5
37.5°	7071.0	7215.3	7066.2	6976.8	6809.8	6658.4	6431.9	6337.7	6286.4	6206.5
40°	7785.2	7867.5	7754.2	7677.9	7496.7	7259.4	6896.9	6697.8	6628.6	6551.1
42.5°	8311.1	8389.8	8329.0	8276.5	8134.6	7859.2	7390.6	7141.3	7041.2	6954.1
45°	8728.4	8786.9	8748.7	8767.8	8707.0	8439.9	7902.1	7617.1	7513.4	7407.2
47.5°	8896.6	8958.6	9019.4	9132.7	9236.4	9039.7	8451.8	8132.2	8022.5	7914.0
50°	8877.5	8940.7	9117.2	9358.0	9680.0	9614.4	9031.3	8680.7	8579.4	8455.4
52.5°	8724.9	8796.4	9023.0	9423.6	9936.3	10044.9	9621.5	9247.1	9151.7	9003.9
55°	8324.2	8367.1	8707.0	9274.6	9997.2	10345.3	10199.9	9850.5	9755.1	9548.8
57.5°	7581.3	7643.3	8138.2	8872.7	9844.5	10549.2	10707.8	10484.9	10393.0	10096.1
60°	6611.9	6710.9	7277.3	8197.8	9455.8	10548.1	11169.3	11108.5	11032.2	10635.1
62.5°	5514.9	5629.4	6174.3	7243.9	8776.1	10248.8	11457.9	11630.8	11591.4	11132.3
65°	4235.4	4314.1	4856.7	6009.7	7718.5	9606.0	11491.2	11987.3	11994.4	11510.3
67.5°	2820.0	3046.6	3517.6	4509.7	6301.9	8555.5	11197.9	12045.7	12114.9	11640.3
70°	1376.0	1674.1	2135.6	2930.9	4509.7	6944.6	10431.2	11566.4	11720.2	11261.1
72.5°	571.2	667.7	919.3	1446.4	2588.7	4686.2	8890.6	10266.6	10551.6	9978.1
75°	385.1	417.3	525.9	741.7	1179.3	2310.9	6411.6	7655.3	8114.3	7536.0
77.5°	296.9	317.2	382.8	518.7	701.1	874.0	3431.8	4613.4	4850.7	4490.6
80°	233.7	249.2	286.2	378.0	497.2	467.4	1169.8	2090.3	2227.4	1868.5
82.5°	202.7	208.7	205.1	256.4	330.3	273.1	384.0	771.5	851.4	617.7
85°	146.7	163.4	170.5	158.6	175.3	138.3	157.4	273.1	300.5	268.3
87.5°	59.6	88.2	108.5	102.5	64.4	39.3	48.9	79.9	91.8	100.2
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°
2517.2	0°	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2
2518.4	2.5°	2519.6	2527.9	2533.9	2541.0	2545.8	2552.9	2567.3	2575.6	2576.8	2582.8
2537.4	5°	2542.2	2554.1	2567.3	2586.3	2607.8	2625.7	2653.1	2672.2	2679.3	2685.3
2584.0	7.5°	2591.1	2607.8	2631.6	2665.0	2696.0	2719.9	2753.3	2775.9	2798.6	2806.9
2657.9	10°	2663.8	2687.7	2722.3	2767.6	2801.0	2832.0	2866.6	2885.6	2908.3	2917.8
2746.1	12.5°	2754.5	2779.5	2824.8	2888.0	2919.0	2940.5	2952.4	2947.6	2952.4	2960.8
2852.2	15°	2858.2	2885.6	2936.9	3004.9	3026.3	3007.3	2981.0	2957.2	2953.6	2956.0
2981.0	17.5°	2981.0	3001.3	3060.9	3118.1	3102.6	3023.9	2966.7	2928.6	2909.5	2903.5
3145.6	20°	3152.7	3152.7	3201.6	3237.4	3133.7	3000.1	2910.7	2848.7	2809.3	2792.6
3369.7	22.5°	3361.4	3342.3	3373.3	3348.3	3127.7	2933.3	2809.3	2702.0	2642.4	2618.5
3683.4	25°	3626.1	3603.5	3595.1	3440.1	3084.8	2827.2	2625.7	2495.7	2443.2	2430.1
4135.3	27.5°	4025.6	3968.3	3859.8	3490.2	3006.1	2660.3	2411.1	2290.6	2260.8	2262.0
4716.0	30°	4557.4	4442.9	4177.0	3498.5	2877.3	2424.2	2191.6	2105.8	2091.5	2097.4
5203.7	32.5°	5049.9	4941.3	4501.3	3460.4	2679.3	2192.8	1994.9	1937.7	1916.2	1923.4
5575.7	35°	5436.2	5406.4	4801.8	3406.7	2436.1	1975.8	1818.4	1769.5	1727.8	1718.3
5926.3	37.5°	5801.1	5789.1	5027.2	3331.6	2195.2	1822.0	1676.5	1612.1	1551.3	1517.9
6313.8	40°	6201.7	6189.8	5175.1	3215.9	1981.8	1688.5	1548.9	1464.3	1389.2	1328.3
6752.6	42.5°	6652.4	6582.1	5245.4	3050.2	1800.5	1575.2	1445.2	1330.7	1231.8	1175.7
7248.7	45°	7144.9	6986.3	5244.2	2839.1	1647.9	1471.4	1334.3	1172.1	1080.3	1027.9
7757.8	47.5°	7667.2	7372.7	5179.8	2605.4	1500.1	1357.0	1162.6	1038.6	977.8	945.6
8311.1	50°	8206.2	7734.0	5070.1	2337.1	1348.6	1227.0	1055.3	970.6	924.1	894.3
8859.6	52.5°	8712.9	8061.9	4937.8	2033.1	1194.8	1100.6	1007.6	942.0	893.1	859.7
9391.4	55°	9183.9	8344.5	4750.6	1721.8	1069.6	1015.9	984.9	930.1	874.0	834.7
9931.6	57.5°	9602.5	8528.1	4427.4	1429.7	980.2	957.5	961.1	909.8	845.4	812.0
10463.4	60°	9950.7	8662.9	3949.3	1159.0	907.4	900.3	924.1	871.7	796.5	758.4
10912.9	62.5°	10159.3	8660.5	3362.6	949.2	845.4	847.8	875.2	824.0	747.6	711.9
11147.8	65°	10141.4	8448.2	2718.7	812.0	785.8	788.2	824.0	771.5	707.1	685.6
11029.8	67.5°	9782.5	7930.7	2085.5	722.6	720.2	730.9	772.7	735.7	682.1	679.7
10326.3	70°	8810.7	6856.4	1502.4	651.1	652.2	667.7	722.6	713.1	668.9	673.7
8681.9	72.5°	7065.0	5227.5	1008.8	575.9	577.1	602.2	674.9	695.2	655.8	719.0
6160.0	75°	4705.2	3260.0	648.7	496.0	497.2	529.4	633.2	660.6	620.1	716.6
3205.2	77.5°	2260.8	1465.5	469.8	417.3	417.3	447.2	547.3	591.4	528.2	556.9
1030.2	80°	781.0	550.9	369.6	336.3	329.1	349.4	461.5	512.7	455.5	419.7
336.3	82.5°	307.6	286.2	296.9	261.1	237.3	250.4	358.9	423.3	335.1	302.9
189.6	85°	176.5	186.0	209.9	172.9	137.1	153.8	263.5	304.1	252.8	223.0
62.0	87.5°	47.7	65.6	96.6	89.4	62.0	65.6	125.2	168.1	145.5	112.1
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°
2517.2
2581.6
2684.1
2808.1
2922.6
2963.1
2964.3
2911.9
2789.0
2615.0
2432.5
2265.6
2117.7
1932.9
1725.4
1519.1
1334.3
1179.3
1025.5
938.4
883.6
845.4
819.2
790.6
741.7
701.1
684.4
683.3
672.5
728.6
722.6
510.4
393.5
301.7
227.8
115.7
0.0

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