

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: P848078

Luminaire Tested: **GLAN-SB4C-722-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848078  
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-SB4C-722-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23487 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

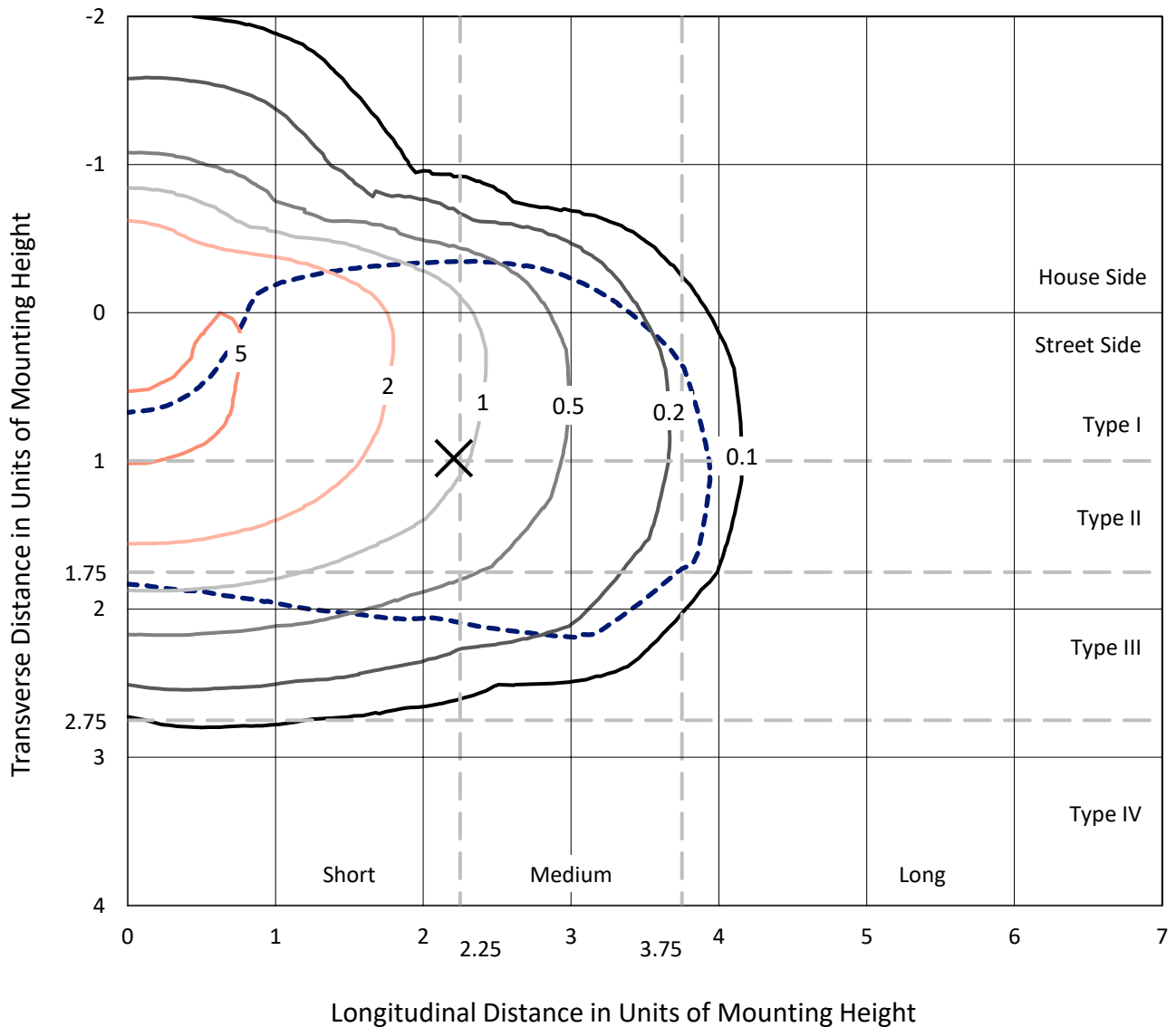
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

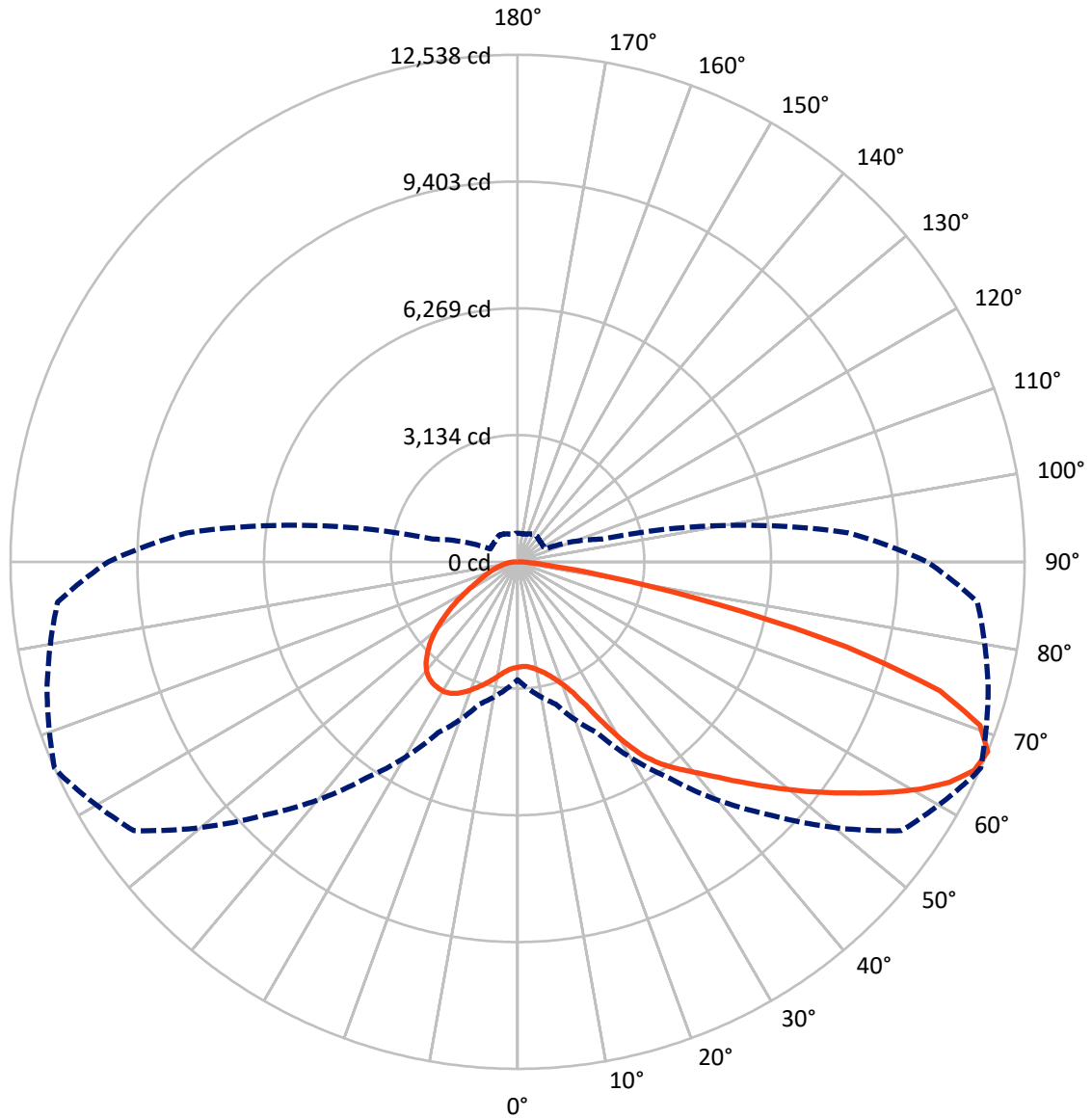
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	5840.0	0.0	5840.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	17647.0	0.0	17647.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	23487.0	0.0	23487.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.3	1.1
10°-20°	853.3	3.6
20°-30°	1644.7	7.0
30°-40°	2883.8	12.3
40°-50°	4287.2	18.3
50°-60°	5434.5	23.1
60°-70°	5317.5	22.6
70°-80°	2536.5	10.8
80°-90°	271.1	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°	23487.0	100.0
0°-180°	23487.0	100.0

**Coefficient of Utilization**



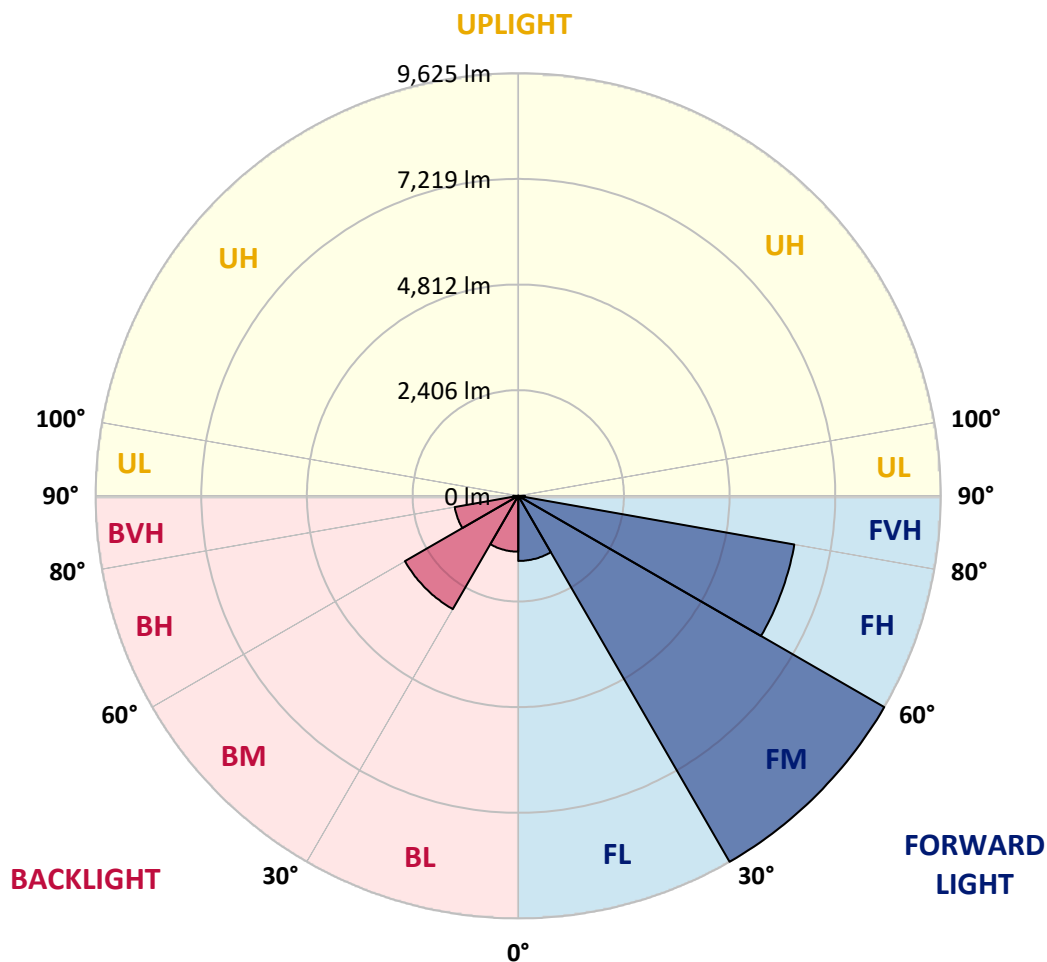
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1484.1	6.3			
FM (30°-60°)	9624.8	41.0			
FH (60°-80°)	6384.4	27.2			G3/7500
FVH (80°-90°)	153.7	0.7			G2/225
BL (0°-30°)	1272.2	5.4	B3/2500		
BM (30°-60°)	2980.8	12.7	B3/5000		
BH (60°-80°)	1469.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	117.4	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°	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0
2.5°	2577.9	2592.7	2589.0	2582.8	2581.6	2584.0	2587.7	2591.4	2590.2	2596.4
5°	2570.5	2585.3	2584.0	2584.0	2589.0	2598.8	2605.0	2611.2	2605.0	2612.4
7.5°	2575.4	2586.5	2591.4	2596.4	2608.7	2627.2	2642.0	2655.6	2648.2	2656.8
10°	2638.3	2647.0	2651.9	2651.9	2660.5	2681.5	2696.3	2721.0	2714.8	2728.4
12.5°	2753.1	2761.7	2761.7	2756.8	2763.0	2776.5	2781.5	2808.6	2797.5	2819.7
15°	2893.8	2911.1	2897.5	2888.8	2891.3	2904.9	2903.7	2924.6	2913.5	2932.0
17.5°	3049.3	3071.5	3049.3	3048.0	3043.1	3057.9	3059.1	3077.6	3057.9	3071.5
20°	3233.1	3264.0	3245.5	3251.6	3240.5	3246.7	3252.9	3280.0	3249.2	3259.0
22.5°	3492.3	3529.3	3509.6	3533.0	3525.6	3520.7	3519.4	3567.6	3519.4	3523.1
25°	3869.9	3914.3	3879.8	3911.8	3911.8	3927.9	3946.4	4008.1	3927.9	3904.4
27.5°	4427.7	4472.1	4404.2	4424.0	4417.8	4457.3	4437.5	4590.6	4504.2	4465.9
30°	5099.0	5178.0	5049.6	5044.7	5038.5	5101.4	5129.8	5231.0	5143.4	5105.1
32.5°	5824.6	5907.3	5754.2	5709.8	5686.4	5724.6	5701.2	5782.6	5722.2	5662.9
35°	6592.1	6673.6	6528.0	6441.6	6347.8	6267.6	6183.7	6204.7	6147.9	6057.8
37.5°	7317.7	7467.1	7312.8	7220.3	7047.5	6890.8	6656.3	6558.8	6505.8	6423.1
40°	8056.9	8142.1	8024.8	7945.9	7758.3	7512.7	7137.6	6931.5	6859.9	6779.7
42.5°	8601.1	8682.6	8619.6	8565.3	8418.5	8133.4	7648.5	7390.6	7286.9	7196.8
45°	9033.0	9093.5	9054.0	9073.8	9010.8	8734.4	8177.9	7882.9	7775.6	7665.7
47.5°	9207.0	9271.2	9334.1	9451.4	9558.7	9355.1	8746.7	8416.0	8302.5	8190.2
50°	9187.3	9252.7	9435.3	9684.6	10017.8	9949.9	9346.5	8983.7	8878.8	8750.4
52.5°	9029.3	9103.4	9337.8	9752.5	10283.1	10395.4	9957.3	9569.8	9471.1	9318.1
55°	8614.7	8659.1	9010.8	9598.2	10346.0	10706.4	10555.8	10194.2	10095.5	9882.0
57.5°	7845.9	7910.1	8422.2	9182.4	10188.1	10917.4	11081.5	10850.7	10755.7	10448.5
60°	6842.6	6945.1	7531.2	8483.9	9785.8	10916.2	11559.1	11496.1	11417.2	11006.2
62.5°	5707.3	5825.8	6389.8	7496.7	9082.4	10606.4	11857.7	12036.6	11995.9	11520.8
65°	4383.2	4464.7	5026.2	6219.5	7987.8	9941.3	11892.3	12405.6	12413.0	11912.0
67.5°	2918.5	3152.9	3640.4	4667.1	6521.8	8854.1	11588.7	12466.1	12537.7	12046.5
70°	1424.1	1732.6	2210.1	3033.2	4667.1	7186.9	10795.2	11970.0	12129.2	11654.1
72.5°	591.1	691.1	951.4	1496.9	2679.1	4849.7	9200.9	10624.9	10919.9	10326.3
75°	398.6	431.9	544.2	767.6	1220.4	2391.5	6635.3	7922.4	8397.5	7799.0
77.5°	307.3	328.2	396.1	536.8	725.6	904.5	3551.5	4774.4	5020.0	4647.3
80°	241.9	257.9	296.2	391.2	514.6	483.7	1210.6	2163.2	2305.2	1933.7
82.5°	209.8	216.0	212.3	265.3	341.8	282.6	397.4	798.4	881.1	639.2
85°	151.8	169.1	176.5	164.1	181.4	143.1	162.9	282.6	311.0	277.7
87.5°	61.7	91.3	112.3	106.1	66.6	40.7	50.6	82.7	95.0	103.7
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°
2605.0	0°	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0	2605.0
2606.3	2.5°	2607.5	2616.1	2622.3	2629.7	2634.6	2642.0	2656.8	2665.5	2666.7	2672.9
2626.0	5°	2630.9	2643.3	2656.8	2676.6	2698.8	2717.3	2745.7	2765.4	2772.8	2779.0
2674.1	7.5°	2681.5	2698.8	2723.5	2758.0	2790.1	2814.8	2849.4	2872.8	2896.2	2904.9
2750.6	10°	2756.8	2781.5	2817.3	2864.2	2898.7	2930.8	2966.6	2986.3	3009.8	3019.6
2842.0	12.5°	2850.6	2876.5	2923.4	2988.8	3020.9	3043.1	3055.4	3050.5	3055.4	3064.1
2951.8	15°	2957.9	2986.3	3039.4	3109.7	3131.9	3112.2	3085.1	3060.4	3056.7	3059.1
3085.1	17.5°	3085.1	3106.0	3167.7	3227.0	3210.9	3129.5	3070.2	3030.8	3011.0	3004.8
3255.3	20°	3262.8	3262.8	3313.3	3350.4	3243.0	3104.8	3012.2	2948.1	2907.4	2890.1
3487.3	22.5°	3478.7	3459.0	3491.0	3465.1	3236.8	3035.7	2907.4	2796.3	2734.6	2709.9
3811.9	25°	3752.7	3729.2	3720.6	3560.2	3192.4	2925.9	2717.3	2582.8	2528.5	2514.9
4279.6	27.5°	4166.1	4106.8	3994.5	3612.0	3111.0	2753.1	2495.2	2370.6	2339.7	2340.9
4880.6	30°	4716.4	4598.0	4322.8	3620.6	2977.7	2508.8	2268.1	2179.3	2164.5	2170.6
5385.3	32.5°	5226.1	5113.8	4658.4	3581.1	2772.8	2269.4	2064.5	2005.3	1983.1	1990.5
5770.3	35°	5625.9	5595.1	4969.4	3525.6	2521.1	2044.8	1881.9	1831.3	1788.1	1778.2
6133.1	37.5°	6003.5	5991.2	5202.6	3447.9	2271.8	1885.6	1735.0	1668.4	1605.5	1570.9
6534.1	40°	6418.1	6405.8	5355.7	3328.2	2050.9	1747.4	1603.0	1515.4	1437.6	1374.7
6988.3	42.5°	6884.6	6811.8	5428.5	3156.6	1863.4	1630.1	1495.6	1377.2	1274.7	1216.7
7501.6	45°	7394.3	7230.1	5427.2	2938.2	1705.4	1522.8	1380.9	1213.0	1118.0	1063.7
8028.5	47.5°	7934.8	7630.0	5360.6	2696.3	1552.4	1404.3	1203.2	1074.8	1011.9	978.6
8601.1	50°	8492.5	8003.9	5247.1	2418.7	1395.7	1269.8	1092.1	1004.5	956.4	925.5
9168.8	52.5°	9017.0	8343.2	5110.1	2104.0	1236.5	1139.0	1042.7	974.9	924.3	889.7
9719.2	55°	9504.4	8635.7	4916.3	1781.9	1106.9	1051.4	1019.3	962.5	904.5	863.8
10278.2	57.5°	9937.6	8825.7	4581.9	1479.6	1014.4	990.9	994.6	941.6	874.9	840.4
10828.5	60°	10297.9	8965.2	4087.1	1199.5	939.1	931.7	956.4	902.1	824.3	784.8
11293.8	62.5°	10513.9	8962.7	3479.9	982.3	874.9	877.4	905.8	852.7	773.7	736.7
11536.9	65°	10495.4	8743.0	2813.6	840.4	813.2	815.7	852.7	798.4	731.8	709.6
11414.7	67.5°	10123.9	8207.5	2158.3	747.8	745.3	756.5	799.6	761.4	705.9	703.4
10686.6	70°	9118.2	7095.6	1554.9	673.8	675.0	691.1	747.8	737.9	692.3	697.2
8984.9	72.5°	7311.6	5409.9	1044.0	596.0	597.3	623.2	698.5	719.4	678.7	744.1
6375.0	75°	4869.4	3373.8	671.3	513.4	514.6	547.9	655.3	683.6	641.7	741.6
3317.0	77.5°	2339.7	1516.6	486.2	431.9	431.9	462.8	566.4	612.1	546.7	576.3
1066.2	80°	808.3	570.1	382.5	348.0	340.6	361.6	477.6	530.6	471.4	434.4
348.0	82.5°	318.4	296.2	307.3	270.3	245.6	259.1	371.4	438.1	346.8	313.4
196.2	85°	182.6	192.5	217.2	178.9	141.9	159.2	272.7	314.7	261.6	230.8
64.2	87.5°	49.4	67.9	100.0	92.6	64.2	67.9	129.6	174.0	150.6	116.0
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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180°
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2605.0
2671.7
2777.8
2906.1
3024.6
3066.5
3067.8
3013.5
2886.4
2706.2
2517.4
2344.6
2191.6
2000.3
1785.6
1572.1
1380.9
1220.4
1061.3
971.2
914.4
874.9
847.8
818.2
767.6
725.6
708.3
707.1
696.0
754.0
747.8
528.2
407.2
312.2
235.7
119.7
0.0

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