

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: P849393

Luminaire Tested: **GLAN-SB6B-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22836 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

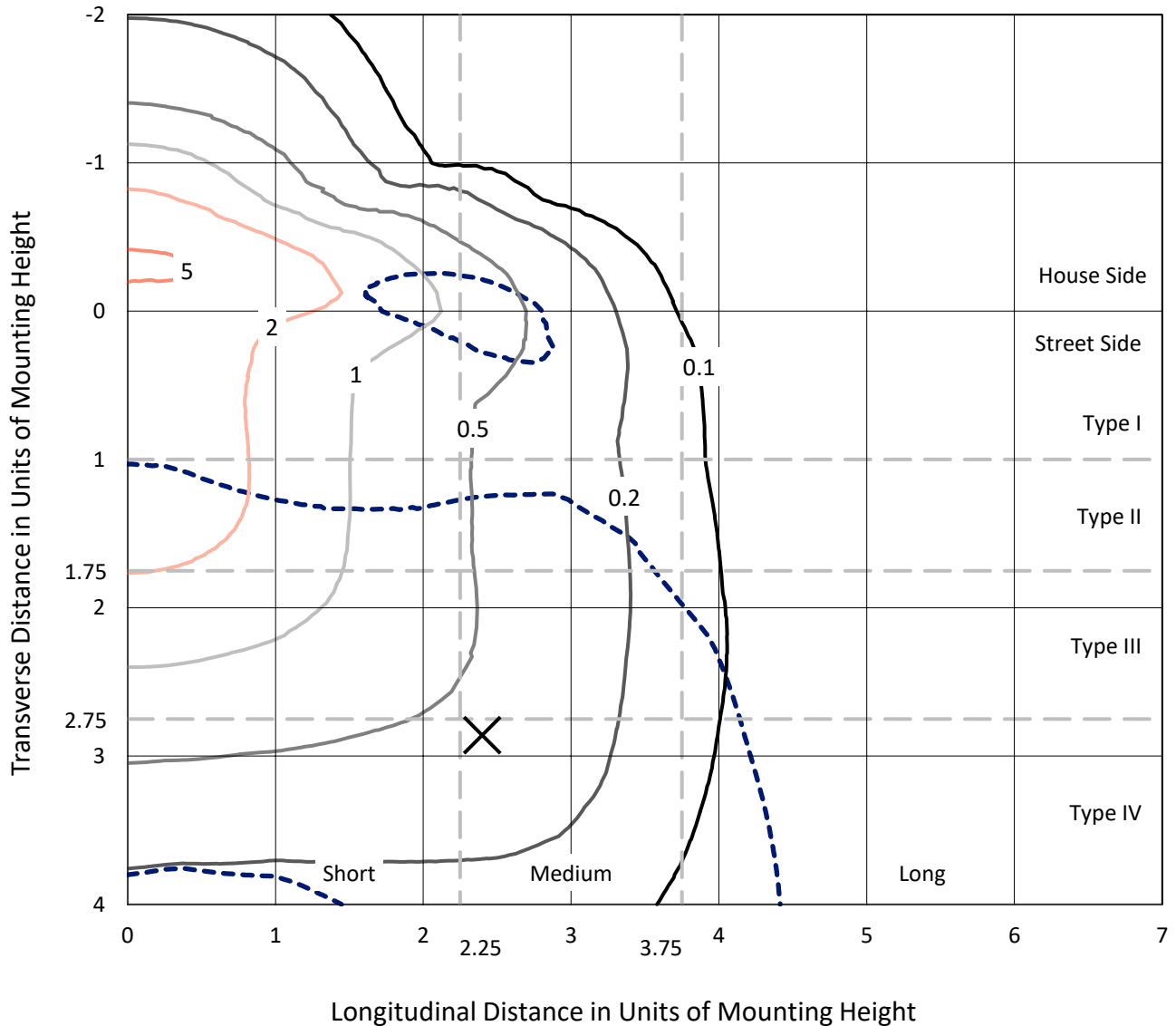
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

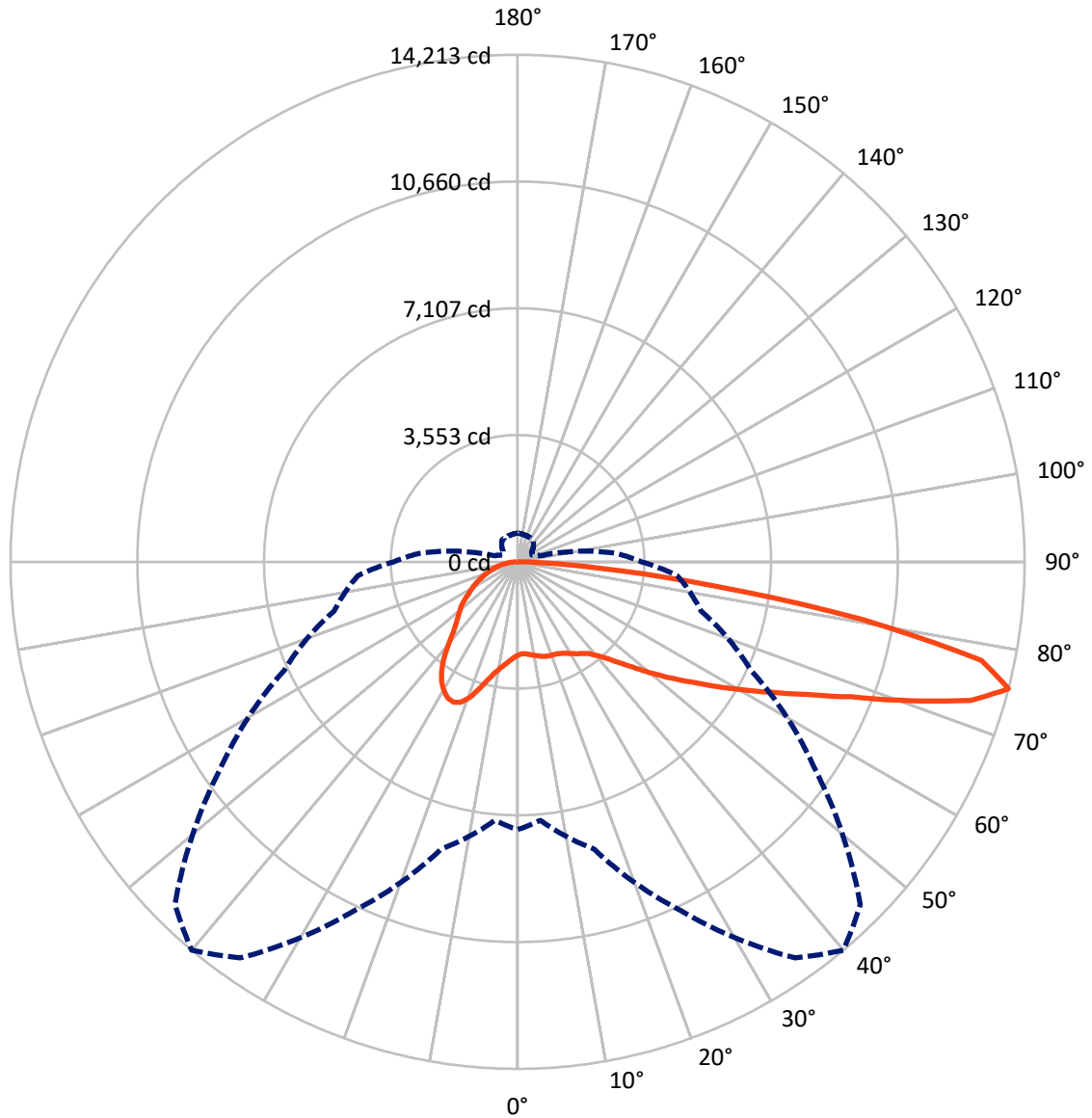
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7075.4	0.0	7075.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	15760.6	0.0	15760.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	22836.0	0.0	22836.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.7	1.1
10°-20°	875.2	3.8
20°-30°	1598.0	7.0
30°-40°	2266.4	9.9
40°-50°	3060.3	13.4
50°-60°	4116.9	18.0
60°-70°	5225.2	22.9
70°-80°	4742.2	20.8
80°-90°	691.3	3.0
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°	22836.0	100.0
0°-180°	22836.0	100.0

Coefficient of Utilization

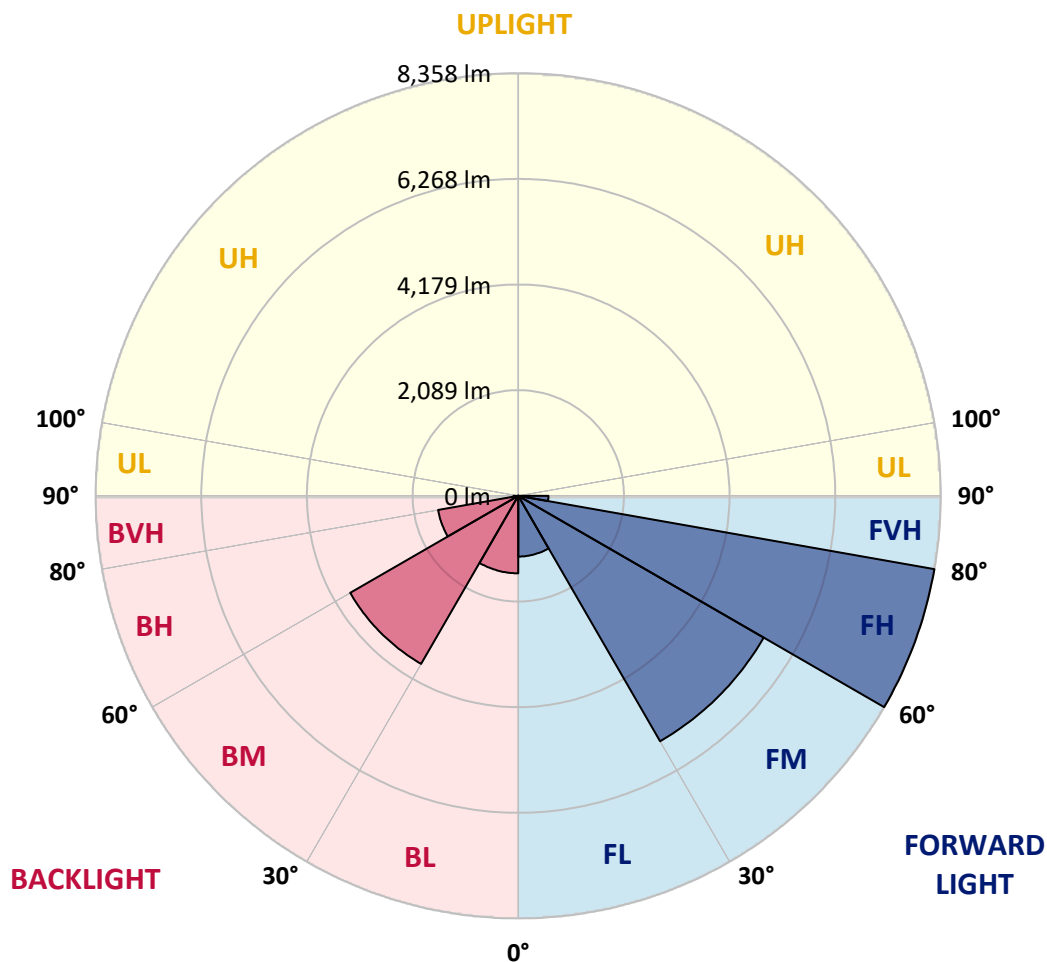


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1201.2	5.3			
FM (30°-60°)	5605.7	24.5			
FH (60°-80°)	8357.6	36.6			G4/12000
FVH (80°-90°)	596.1	2.6			G4/750
BL (0°-30°)	1532.6	6.7	B3/2500		
BM (30°-60°)	3837.7	16.8	B3/5000		
BH (60°-80°)	1609.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	95.2	0.4			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3
2.5°	2571.4	2585.9	2582.3	2577.4	2577.4	2578.6	2577.4	2585.9	2594.4	2602.8
5°	2598.0	2612.5	2605.3	2599.2	2594.4	2593.2	2589.5	2588.3	2593.2	2604.1
7.5°	2650.1	2664.6	2653.7	2642.8	2633.1	2628.3	2623.4	2616.2	2612.5	2618.6
10°	2708.2	2722.8	2709.4	2690.1	2674.3	2668.3	2663.4	2656.1	2651.3	2654.9
12.5°	2766.4	2780.9	2762.7	2736.1	2715.5	2711.9	2705.8	2703.4	2702.2	2701.0
15°	2820.9	2833.0	2810.0	2778.5	2756.7	2750.6	2744.6	2748.2	2754.2	2761.5
17.5°	2863.3	2875.4	2841.5	2800.3	2779.7	2777.3	2773.6	2785.7	2802.7	2820.9
20°	2902.0	2914.1	2870.5	2814.8	2790.6	2790.6	2791.8	2817.2	2841.5	2868.1
22.5°	2956.5	2966.2	2912.9	2836.6	2801.5	2803.9	2813.6	2839.0	2869.3	2905.6
25°	3037.7	3044.9	2979.5	2877.8	2837.8	2845.1	2853.6	2865.7	2894.7	2937.1
27.5°	3168.5	3174.5	3088.5	2950.5	2889.9	2902.0	2914.1	2905.6	2919.0	2955.3
30°	3352.6	3356.2	3247.2	3064.3	2978.3	2984.4	2986.8	2951.7	2926.2	2955.3
32.5°	3570.6	3569.4	3439.8	3202.4	3078.8	3072.8	3052.2	2983.2	2923.8	2949.2
35°	3908.5	3895.2	3728.0	3396.2	3192.7	3155.2	3106.7	3018.3	2935.9	2943.2
37.5°	4468.1	4426.9	4195.6	3713.5	3362.3	3266.6	3195.1	3075.2	2962.6	2940.8
40°	5099.1	5047.0	4792.7	4148.3	3616.6	3462.8	3347.7	3156.4	3006.2	2951.7
42.5°	5847.6	5773.7	5500.0	4660.7	3938.8	3715.9	3542.7	3259.3	3070.4	2986.8
45°	6766.9	6668.8	6281.2	5238.4	4344.5	4047.8	3816.5	3415.6	3168.5	3054.6
47.5°	7695.9	7720.1	7169.0	5899.7	4831.4	4457.2	4159.2	3650.5	3311.4	3163.6
50°	8683.0	8700.0	8052.0	6632.5	5383.7	4919.9	4544.4	3913.4	3510.0	3318.7
52.5°	9453.3	9455.8	8853.8	7399.2	5959.1	5428.6	4959.8	4213.7	3740.2	3524.6
55°	9935.4	9929.3	9415.8	8124.7	6620.4	5962.7	5420.1	4555.3	4021.2	3766.8
57.5°	10285.4	10267.3	9803.4	8748.4	7325.3	6593.7	5940.9	4942.9	4353.0	4055.1
60°	10418.7	10407.8	10066.2	9287.4	8066.5	7291.4	6541.6	5376.5	4729.7	4395.4
62.5°	10469.5	10490.1	10324.2	9809.4	8859.9	8064.1	7201.7	5894.9	5153.6	4780.6
65°	10648.8	10686.3	10652.4	10492.5	9756.1	8968.9	8077.4	6511.4	5616.3	5193.6
67.5°	11003.7	11041.2	11055.7	11310.1	10851.1	10096.5	9169.9	7279.3	6157.7	5622.3
70°	10995.2	10984.3	11241.1	11960.5	12222.1	11657.7	10642.7	8224.0	6803.3	5978.4
72.5°	10008.1	9920.9	10527.7	11953.2	13363.1	13288.0	12441.4	9442.4	7360.4	6022.0
75°	7508.2	7275.6	8347.5	10772.3	13553.2	14213.3	13584.7	10198.2	7228.4	5320.8
77.5°	3210.9	2977.1	4240.4	7974.5	12130.1	13286.8	12535.8	8897.4	5770.1	3518.5
80°	840.6	839.4	1281.4	3615.4	8249.4	9811.9	8607.9	5745.9	3296.9	1257.2
82.5°	347.6	339.1	471.2	1406.2	4030.8	5506.1	4493.5	2562.9	1190.6	340.3
85°	129.6	128.4	228.9	485.7	1421.9	2271.0	1643.6	655.3	296.7	165.9
87.5°	36.3	35.1	49.7	168.4	346.4	525.7	281.0	107.8	83.6	65.4
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°
2611.3	0°	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3	2611.3
2616.2	2.5°	2619.8	2625.9	2636.8	2645.2	2656.1	2668.3	2685.2	2696.1	2707.0	2714.3
2622.2	5°	2630.7	2644.0	2671.9	2699.7	2732.4	2762.7	2797.9	2823.3	2843.9	2849.9
2644.0	7.5°	2654.9	2676.7	2724.0	2771.2	2823.3	2872.9	2923.8	2967.4	3002.5	3015.9
2682.8	10°	2697.3	2726.4	2793.0	2859.6	2928.7	3005.0	3070.4	3133.4	3183.0	3203.6
2728.8	12.5°	2750.6	2786.9	2874.2	2966.2	3061.9	3167.3	3252.0	3329.6	3391.3	3419.2
2793.0	15°	2819.7	2866.9	2978.3	3101.9	3242.4	3388.9	3496.7	3582.7	3651.7	3685.7
2859.6	17.5°	2894.7	2957.7	3098.2	3284.7	3485.8	3678.4	3804.3	3867.3	3938.8	3971.5
2921.4	20°	2967.4	3044.9	3246.0	3517.3	3785.0	3989.7	4091.4	4108.4	4113.2	4116.8
2979.5	22.5°	3042.5	3146.7	3431.3	3810.4	4097.5	4239.2	4253.7	4181.0	4079.3	4032.1
3036.5	25°	3124.9	3262.9	3673.5	4133.8	4366.3	4383.3	4271.9	4095.0	3902.5	3814.0
3082.5	27.5°	3204.8	3397.4	3964.2	4442.6	4560.1	4411.2	4171.3	3920.6	3688.1	3594.8
3115.2	30°	3284.7	3551.2	4285.2	4712.7	4648.5	4342.1	4012.7	3732.9	3499.1	3401.0
3144.3	32.5°	3365.9	3730.5	4654.6	4907.7	4632.8	4195.6	3815.3	3522.1	3316.2	3213.3
3169.7	35°	3457.9	3950.9	5004.6	5014.3	4527.4	3980.0	3554.8	3270.2	3091.0	3008.6
3200.0	37.5°	3577.9	4230.7	5313.5	5041.0	4343.3	3663.9	3231.5	2972.3	2824.5	2786.9
3244.8	40°	3726.8	4567.4	5549.7	4998.6	4070.8	3279.9	2877.8	2670.7	2587.1	2595.6
3305.3	42.5°	3920.6	4944.1	5715.6	4889.6	3691.7	2883.8	2567.7	2475.7	2515.6	2549.6
3396.2	45°	4172.6	5335.3	5818.6	4704.3	3262.9	2548.3	2384.8	2406.6	2436.9	2440.5
3542.7	47.5°	4494.7	5731.4	5886.4	4424.5	2825.7	2312.2	2268.6	2273.4	2267.3	2241.9
3762.0	50°	4896.8	6116.5	5946.9	4053.9	2453.9	2164.4	2106.3	2089.3	2005.7	1923.4
4053.9	52.5°	5354.7	6470.2	5972.4	3593.6	2164.4	2040.9	1946.4	1839.8	1683.6	1658.1
4420.8	55°	5863.4	6797.2	5907.0	3028.0	1920.9	1882.2	1739.3	1610.9	1593.9	1572.1
4904.1	57.5°	6471.4	7149.7	5773.7	2396.9	1671.4	1696.9	1557.6	1572.1	1541.8	1507.9
5525.5	60°	7136.3	7514.2	5540.0	1821.6	1413.5	1465.5	1510.4	1509.1	1500.7	1472.8
6180.7	62.5°	7734.7	7754.0	5079.7	1395.3	1187.0	1286.3	1408.6	1407.4	1400.1	1384.4
6865.0	65°	8090.8	7717.7	4311.8	1098.5	1000.4	1138.5	1270.5	1280.2	1281.4	1280.2
7379.8	67.5°	8027.8	7292.6	3258.1	874.5	846.6	988.3	1133.7	1147.0	1156.7	1159.1
7445.2	70°	7315.6	6358.8	2124.4	697.6	709.8	856.3	1004.1	1017.4	1025.9	1035.6
6460.5	72.5°	5702.3	4675.2	1216.0	564.4	589.8	742.5	875.7	891.4	896.3	914.4
4495.9	75°	3474.9	2749.4	656.5	444.5	484.5	634.7	748.5	766.7	775.2	797.0
2208.0	77.5°	1652.1	1190.6	374.3	346.4	390.0	518.4	632.2	652.8	629.8	641.9
609.2	80°	558.4	442.1	236.2	264.0	298.0	404.5	506.3	526.9	478.4	476.0
202.3	82.5°	195.0	179.3	150.2	175.6	192.6	289.5	382.7	409.4	356.1	354.9
90.8	85°	76.3	72.7	83.6	95.7	115.1	178.0	251.9	265.3	219.2	176.8
26.6	87.5°	15.7	17.0	20.6	21.8	35.1	61.8	90.8	111.4	88.4	75.1
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°
2611.3
2709.4
2852.4
3017.1
3204.8
3419.2
3683.2
3970.3
4126.5
4045.4
3827.4
3605.7
3411.9
3226.6
3026.8
2813.6
2624.7
2581.0
2464.8
2261.3
1934.3
1666.6
1575.8
1501.9
1463.1
1378.3
1280.2
1161.5
1040.4
921.7
799.4
632.2
471.2
337.9
174.4
69.0
0.0

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