

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: P848433

Luminaire Tested: **GLAN-SB5A-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848433
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-SB5A-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21697 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

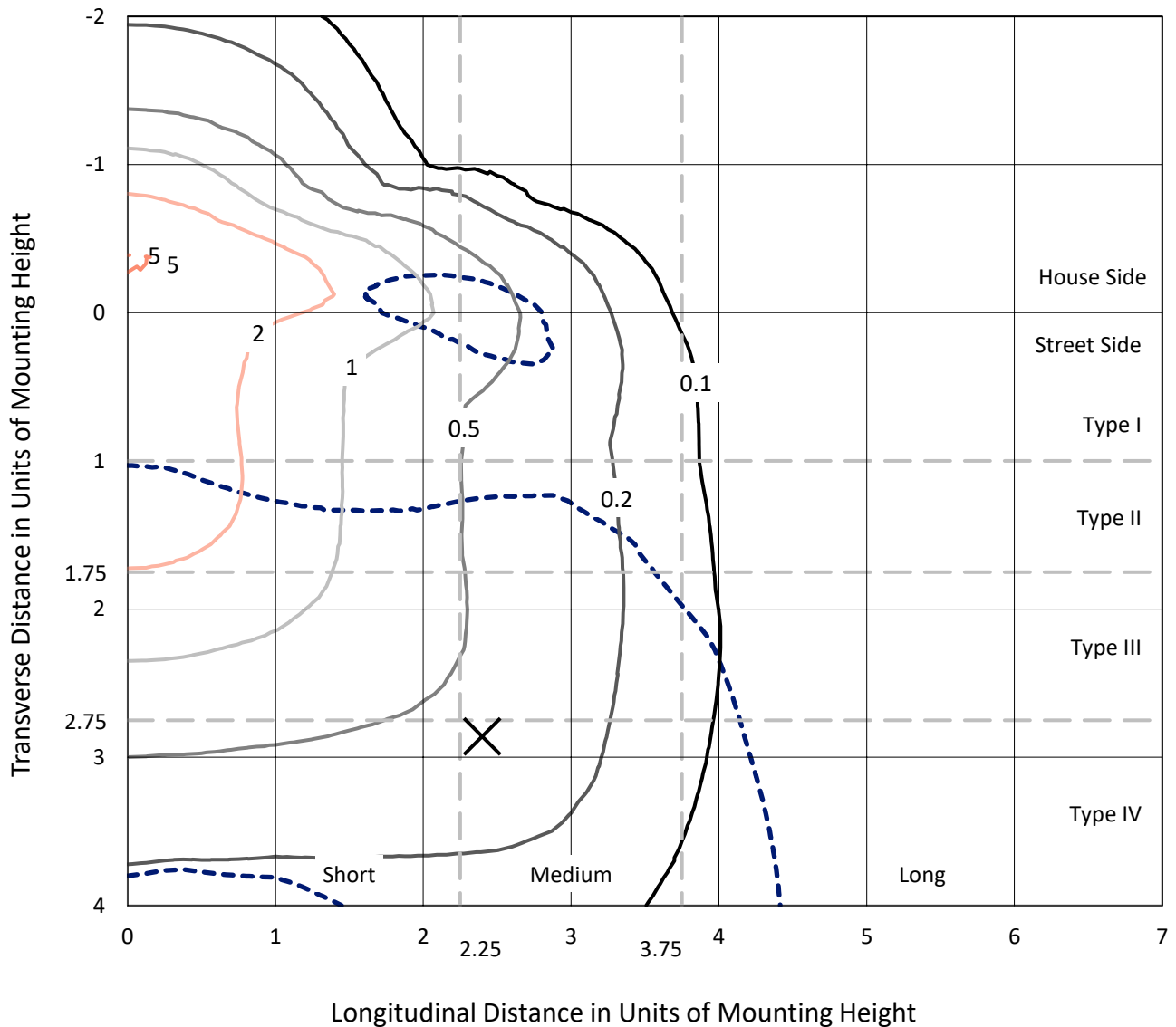
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

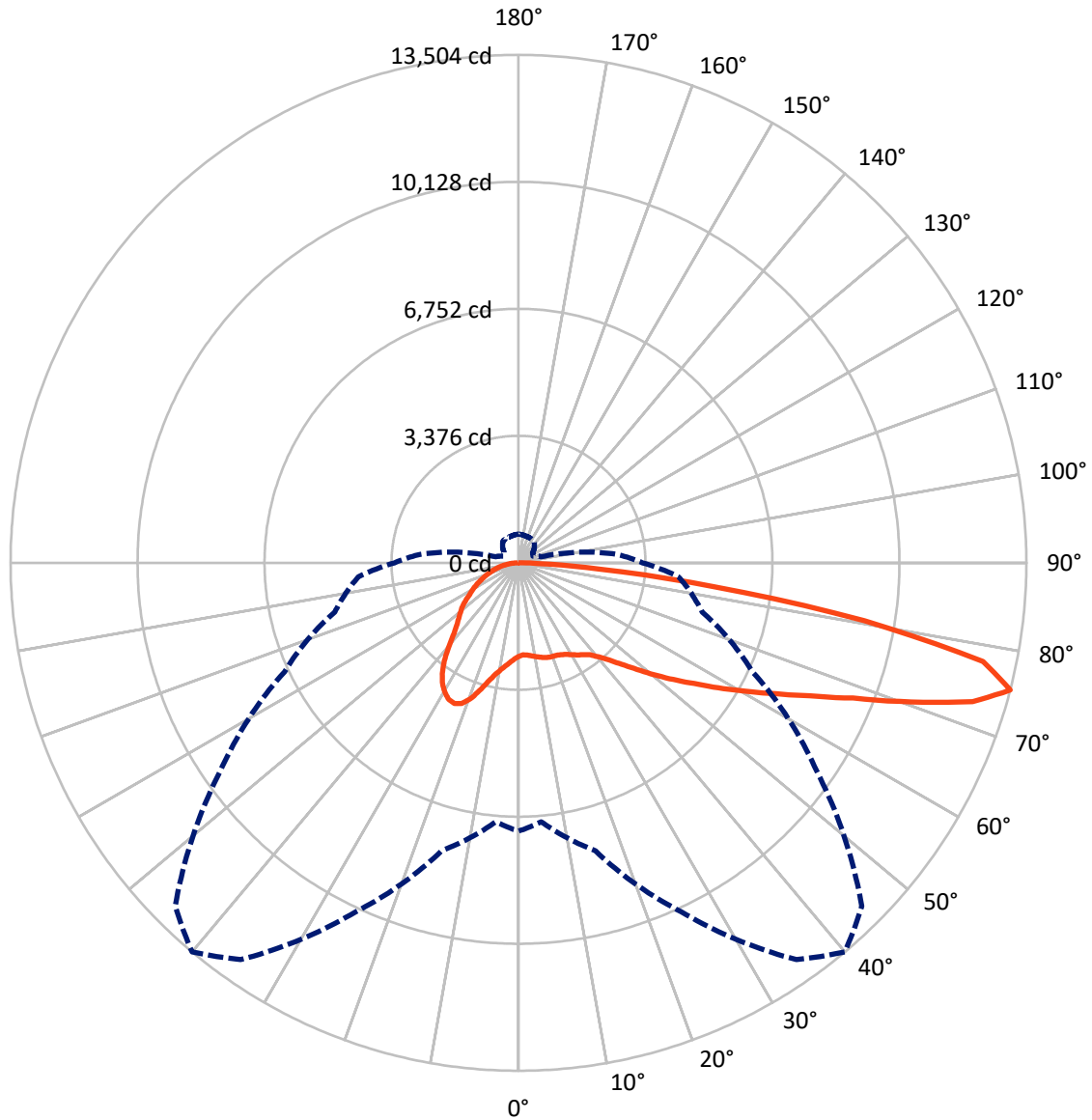
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	6722.5	0.0	6722.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	14974.5	0.0	14974.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	21697.0	0.0	21697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.7	1.1
10°-20°	831.5	3.8
20°-30°	1518.3	7.0
30°-40°	2153.3	9.9
40°-50°	2907.6	13.4
50°-60°	3911.5	18.0
60°-70°	4964.6	22.9
70°-80°	4505.7	20.8
80°-90°	656.8	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°	21697.0	100.0
0°-180°	21697.0	100.0

Coefficient of Utilization

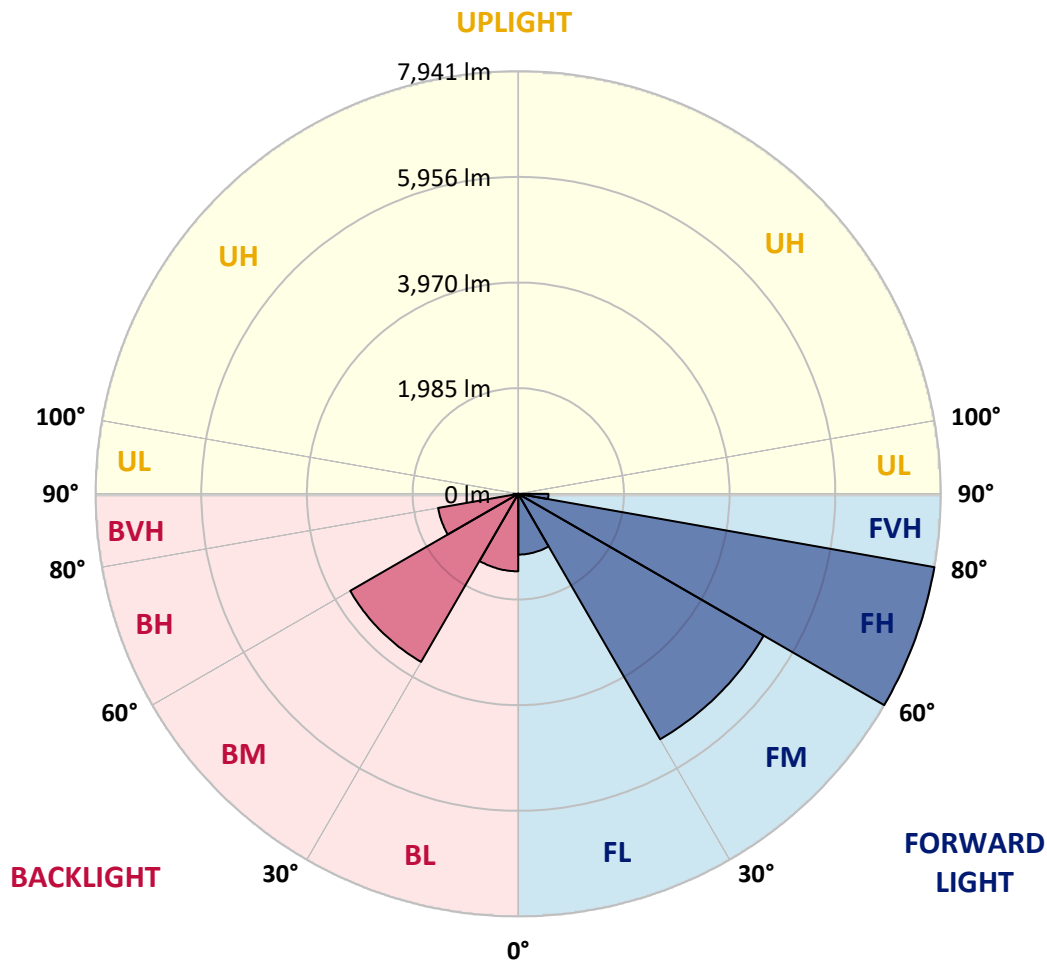


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1141.3	5.3			
FM (30°-60°)	5326.1	24.5			
FH (60°-80°)	7940.8	36.6			G4/12000
FVH (80°-90°)	566.4	2.6			G4/750
BL (0°-30°)	1456.1	6.7	B3/2500		
BM (30°-60°)	3646.3	16.8	B3/5000		
BH (60°-80°)	1529.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	90.4	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°	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1
2.5°	2443.1	2456.9	2453.5	2448.9	2448.9	2450.0	2448.9	2456.9	2465.0	2473.0
5°	2468.4	2482.2	2475.3	2469.6	2465.0	2463.8	2460.4	2459.2	2463.8	2474.2
7.5°	2517.9	2531.7	2521.4	2511.0	2501.8	2497.2	2492.6	2485.7	2482.2	2488.0
10°	2573.1	2587.0	2574.3	2555.9	2540.9	2535.2	2530.6	2523.7	2519.1	2522.5
12.5°	2628.4	2642.2	2624.9	2599.6	2580.0	2576.6	2570.8	2568.5	2567.4	2566.2
15°	2680.2	2691.7	2669.8	2639.9	2619.2	2613.4	2607.7	2611.1	2616.9	2623.8
17.5°	2720.4	2732.0	2699.7	2660.6	2641.0	2638.7	2635.3	2646.8	2662.9	2680.2
20°	2757.3	2768.8	2727.3	2674.4	2651.4	2651.4	2652.5	2676.7	2699.7	2725.0
22.5°	2809.1	2818.3	2767.6	2695.1	2661.8	2664.1	2673.3	2697.4	2726.2	2760.7
25°	2886.2	2893.1	2830.9	2734.3	2696.3	2703.2	2711.2	2722.7	2750.4	2790.6
27.5°	3010.4	3016.2	2934.5	2803.3	2745.8	2757.3	2768.8	2760.7	2773.4	2807.9
30°	3185.4	3188.8	3085.2	2911.5	2829.8	2835.5	2837.8	2804.4	2780.3	2807.9
32.5°	3392.5	3391.3	3268.2	3042.7	2925.3	2919.5	2900.0	2834.4	2778.0	2802.1
35°	3713.6	3700.9	3542.1	3226.8	3033.5	2997.8	2951.7	2867.7	2789.5	2796.4
37.5°	4245.2	4206.1	3986.3	3528.3	3194.6	3103.7	3035.8	2921.8	2814.8	2794.1
40°	4844.8	4795.3	4553.6	3941.4	3436.2	3290.1	3180.8	2998.9	2856.2	2804.4
42.5°	5556.0	5485.8	5225.7	4428.2	3742.3	3530.6	3366.0	3096.7	2917.2	2837.8
45°	6429.4	6336.2	5967.9	4977.1	4127.8	3845.9	3626.1	3245.2	3010.4	2902.3
47.5°	7312.1	7335.1	6811.5	5605.4	4590.5	4234.9	3951.8	3468.4	3146.2	3005.8
50°	8249.9	8266.1	7650.4	6301.7	5115.2	4674.5	4317.7	3718.2	3335.0	3153.1
52.5°	8981.8	8984.1	8412.2	7030.1	5661.8	5157.8	4712.4	4003.6	3553.6	3348.8
55°	9439.8	9434.1	8946.2	7719.4	6290.2	5665.3	5149.7	4328.1	3820.6	3578.9
57.5°	9772.4	9755.2	9314.4	8312.1	6959.9	6264.8	5644.6	4696.3	4135.9	3852.8
60°	9899.0	9888.6	9564.1	8824.2	7664.2	6927.7	6215.4	5108.3	4493.8	4176.2
62.5°	9947.3	9966.9	9809.2	9320.2	8418.0	7661.9	6842.5	5600.8	4896.6	4542.1
65°	10117.7	10153.3	10121.1	9969.2	9269.5	8521.5	7674.5	6186.6	5336.2	4934.5
67.5°	10454.8	10490.5	10504.3	10746.0	10309.8	9592.9	8712.6	6916.2	5850.6	5341.9
70°	10446.8	10436.4	10680.4	11363.9	11612.5	11076.3	10111.9	7813.8	6463.9	5680.2
72.5°	9508.9	9426.0	10002.6	11357.0	12696.6	12625.2	11820.8	8971.5	6993.3	5721.7
75°	7133.7	6912.7	7931.2	10235.0	12877.2	13504.4	12907.1	9689.6	6867.9	5055.4
77.5°	3050.7	2828.6	4028.9	7576.7	11525.1	12624.1	11910.6	8453.6	5482.3	3343.0
80°	798.6	797.5	1217.5	3435.1	7838.0	9322.5	8178.6	5459.3	3132.4	1194.5
82.5°	330.3	322.2	447.7	1336.1	3829.8	5231.4	4269.4	2435.0	1131.2	323.4
85°	123.1	122.0	217.5	461.5	1351.0	2157.7	1561.6	622.6	281.9	157.7
87.5°	34.5	33.4	47.2	160.0	329.1	499.4	267.0	102.4	79.4	62.1
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°
2481.1	0°	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1	2481.1
2485.7	2.5°	2489.1	2494.9	2505.2	2513.3	2523.7	2535.2	2551.3	2561.6	2572.0	2578.9
2491.4	5°	2499.5	2512.2	2538.6	2565.1	2596.2	2624.9	2658.3	2682.5	2702.0	2707.8
2512.2	7.5°	2522.5	2543.2	2588.1	2633.0	2682.5	2729.6	2778.0	2819.4	2852.8	2865.4
2549.0	10°	2562.8	2590.4	2653.7	2717.0	2782.6	2855.1	2917.2	2977.1	3024.2	3043.8
2592.7	12.5°	2613.4	2647.9	2730.8	2818.3	2909.2	3009.3	3089.8	3163.5	3222.2	3248.7
2653.7	15°	2679.0	2723.9	2829.8	2947.1	3080.6	3219.9	3322.3	3404.0	3469.6	3501.8
2717.0	17.5°	2750.4	2810.2	2943.7	3120.9	3311.9	3494.9	3614.6	3674.4	3742.3	3773.4
2775.7	20°	2819.4	2893.1	3084.1	3341.9	3596.2	3790.7	3887.3	3903.4	3908.0	3911.5
2830.9	22.5°	2890.8	2989.7	3260.2	3620.4	3893.1	4027.7	4041.5	3972.5	3875.8	3830.9
2885.0	25°	2969.0	3100.2	3490.3	3927.6	4148.6	4164.7	4058.8	3890.8	3707.8	3623.8
2928.7	27.5°	3045.0	3227.9	3766.5	4221.1	4332.7	4191.1	3963.3	3725.1	3504.1	3415.5
2959.8	30°	3120.9	3374.1	4071.5	4477.7	4416.7	4125.5	3812.5	3546.7	3324.6	3231.4
2987.4	32.5°	3198.0	3544.4	4422.4	4663.0	4401.7	3986.3	3625.0	3346.5	3150.8	3053.0
3011.6	35°	3285.5	3753.8	4755.0	4764.2	4301.6	3781.5	3377.5	3107.1	2936.8	2858.5
3040.4	37.5°	3399.4	4019.7	5048.5	4789.5	4126.7	3481.1	3070.3	2824.0	2683.6	2647.9
3082.9	40°	3540.9	4339.6	5272.9	4749.3	3867.8	3116.3	2734.3	2537.5	2458.1	2466.1
3140.5	42.5°	3725.1	4697.5	5430.5	4645.7	3507.6	2740.0	2439.7	2352.2	2390.2	2422.4
3226.8	45°	3964.4	5069.2	5528.3	4469.6	3100.2	2421.2	2265.9	2286.6	2315.4	2318.8
3366.0	47.5°	4270.5	5445.5	5592.8	4203.8	2684.8	2196.8	2155.4	2160.0	2154.3	2130.1
3574.3	50°	4652.6	5811.4	5650.3	3851.7	2331.5	2056.4	2001.2	1985.1	1905.7	1827.4
3851.7	52.5°	5087.6	6147.5	5674.5	3414.4	2056.4	1939.1	1849.3	1748.0	1599.6	1575.4
4200.3	55°	5570.9	6458.2	5612.4	2876.9	1825.1	1788.3	1652.5	1530.5	1514.4	1493.7
4659.5	57.5°	6148.6	6793.1	5485.8	2277.4	1588.1	1612.2	1479.9	1493.7	1464.9	1432.7
5249.9	60°	6780.4	7139.4	5263.7	1730.8	1343.0	1392.4	1435.0	1433.9	1425.8	1399.3
5872.4	62.5°	7348.9	7367.3	4826.4	1325.7	1127.8	1222.1	1338.4	1337.2	1330.3	1315.3
6522.6	65°	7687.2	7332.8	4096.8	1043.8	950.5	1081.7	1207.2	1216.4	1217.5	1216.4
7011.7	67.5°	7627.4	6928.8	3095.6	830.9	804.4	939.0	1077.1	1089.8	1099.0	1101.3
7073.8	70°	6950.7	6041.6	2018.5	662.8	674.4	813.6	954.0	966.7	974.7	983.9
6138.3	72.5°	5417.9	4442.0	1155.4	536.3	560.4	705.4	832.0	847.0	851.6	868.8
4271.7	75°	3301.6	2612.3	623.7	422.3	460.3	603.0	711.2	728.4	736.5	757.2
2097.9	77.5°	1569.7	1131.2	355.6	329.1	370.6	492.5	600.7	620.3	598.4	609.9
578.8	80°	530.5	420.0	224.4	250.9	283.1	384.4	481.0	500.6	454.6	452.3
192.2	82.5°	185.3	170.3	142.7	166.9	183.0	275.0	363.6	389.0	338.3	337.2
86.3	85°	72.5	69.0	79.4	90.9	109.3	169.2	239.4	252.0	208.3	168.0
25.3	87.5°	15.0	16.1	19.6	20.7	33.4	58.7	86.3	105.9	84.0	71.3
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°
2481.1
2574.3
2710.1
2866.6
3045.0
3248.7
3499.5
3772.3
3920.7
3843.6
3636.5
3425.9
3241.7
3065.7
2875.8
2673.3
2493.7
2452.3
2341.8
2148.5
1837.8
1583.5
1497.2
1427.0
1390.1
1309.6
1216.4
1103.6
988.5
875.7
759.5
600.7
447.7
321.1
165.7
65.6
0.0

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