

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: P847403

Luminaire Tested: **GLAN-SB3C-727-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847403
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-SB3C-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19808 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

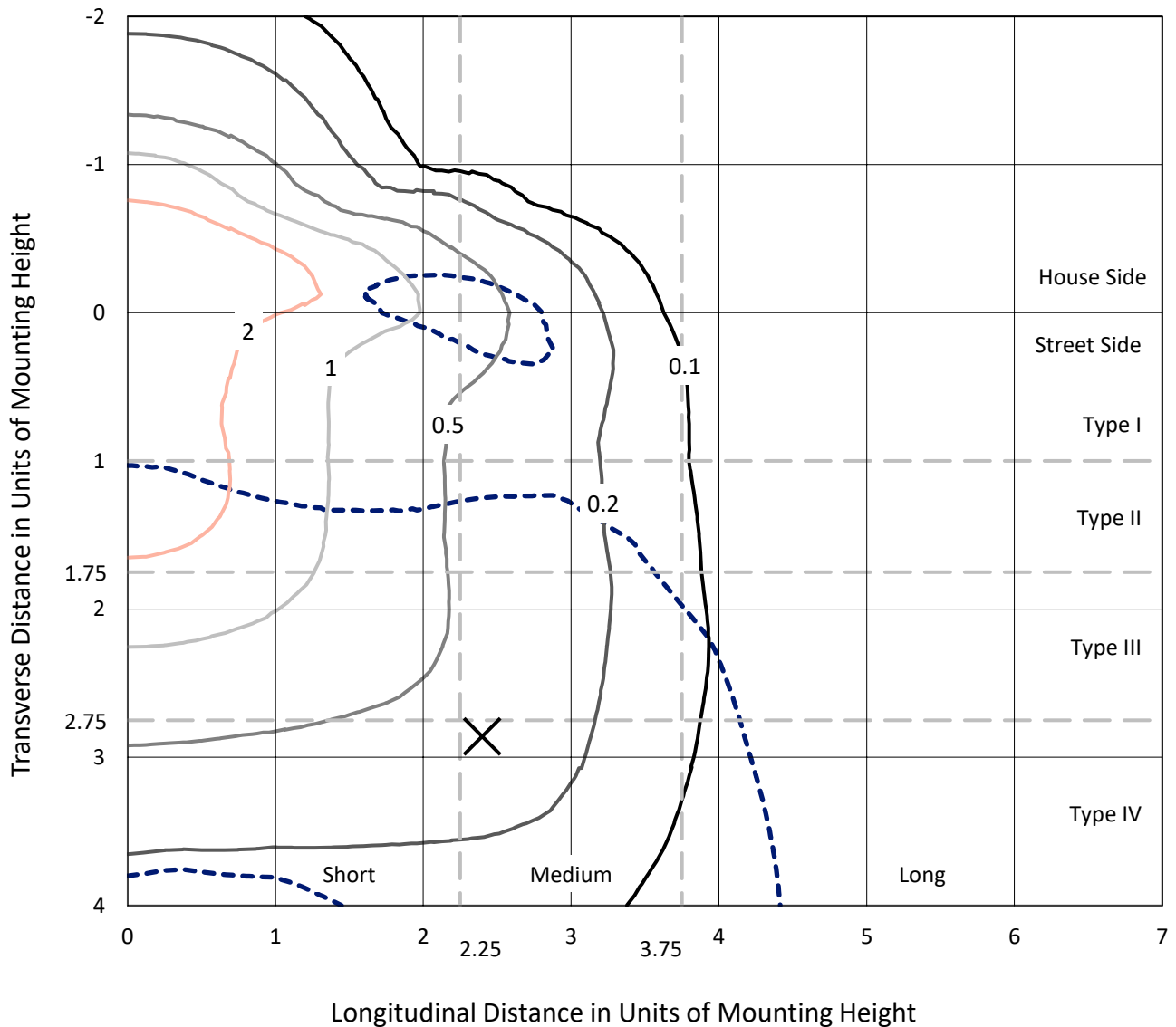
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

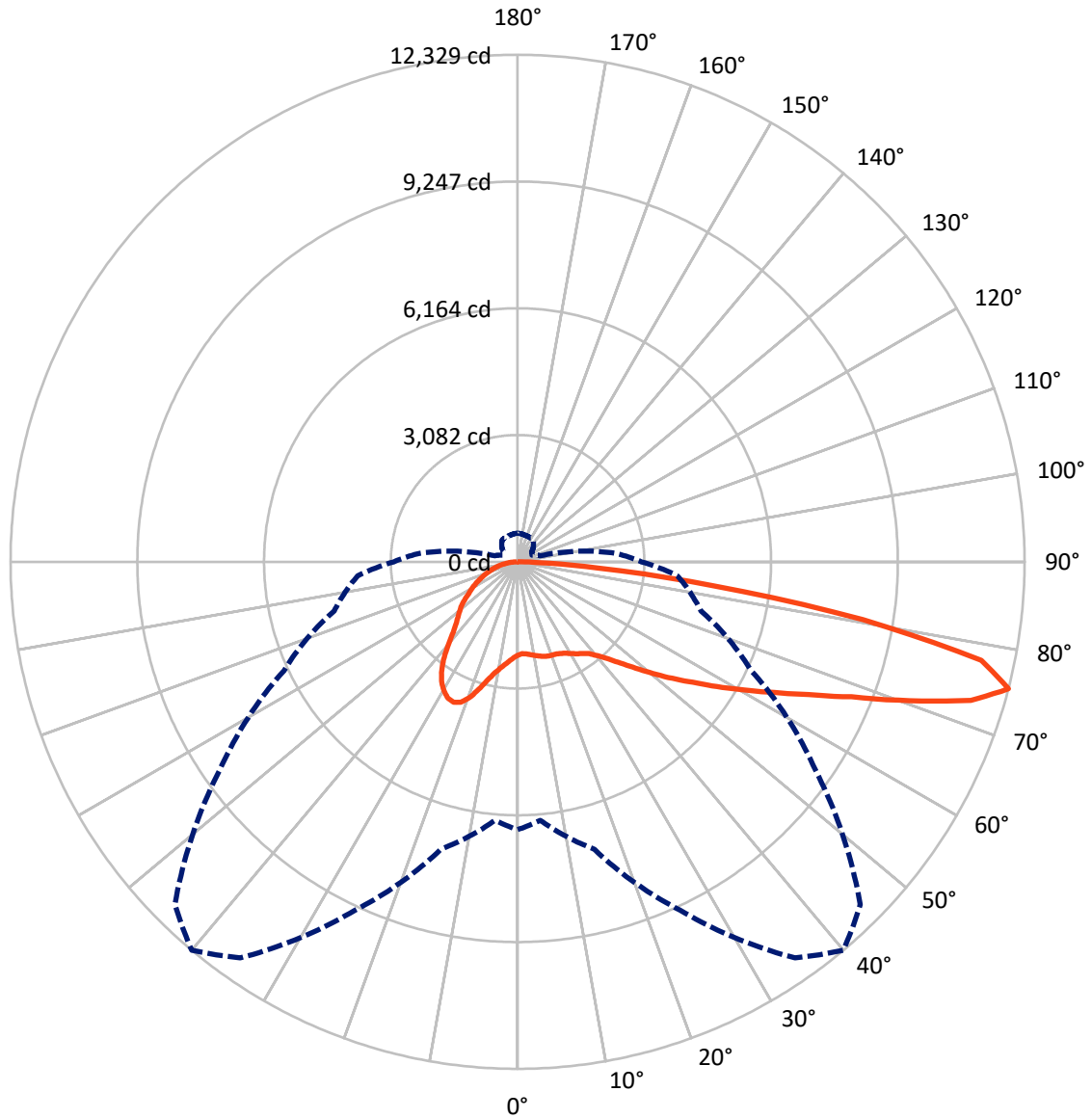
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	6137.2	0.0	6137.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13670.8	0.0	13670.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	19808.0	0.0	19808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.1	1.1
10°-20°	759.1	3.8
20°-30°	1386.1	7.0
30°-40°	1965.8	9.9
40°-50°	2654.5	13.4
50°-60°	3571.0	18.0
60°-70°	4532.4	22.9
70°-80°	4113.4	20.8
80°-90°	599.6	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°	19808.0	100.0
0°-180°	19808.0	100.0

Coefficient of Utilization

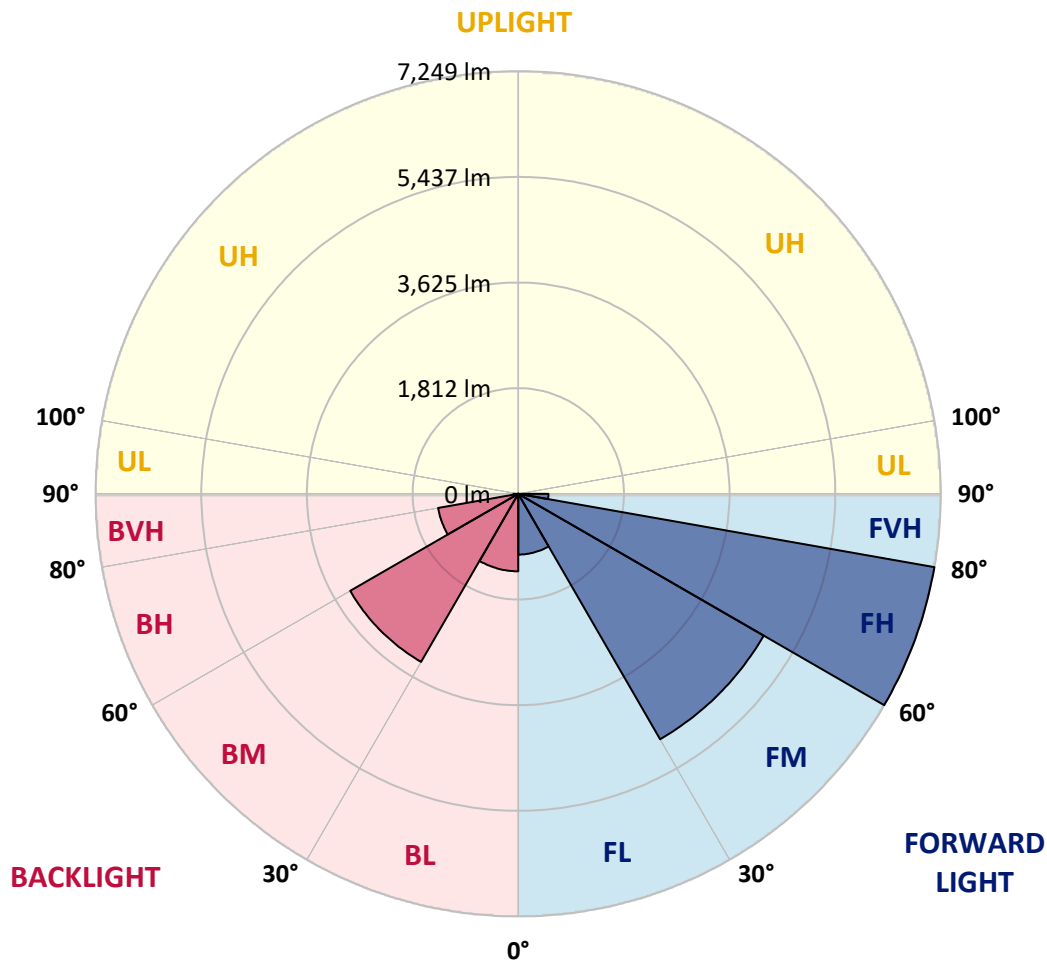


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.9	5.3			
FM (30°-60°)	4862.4	24.5			
FH (60°-80°)	7249.4	36.6			G3/7500
FVH (80°-90°)	517.1	2.6			G4/750
BL (0°-30°)	1329.4	6.7	B3/2500		
BM (30°-60°)	3328.9	16.8	B3/5000		
BH (60°-80°)	1396.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	82.6	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°	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1
2.5°	2230.4	2243.0	2239.9	2235.7	2235.7	2236.7	2235.7	2243.0	2250.4	2257.7
5°	2253.5	2266.1	2259.8	2254.6	2250.4	2249.3	2246.2	2245.1	2249.3	2258.8
7.5°	2298.7	2311.3	2301.8	2292.4	2284.0	2279.8	2275.6	2269.3	2266.1	2271.4
10°	2349.1	2361.7	2350.2	2333.4	2319.7	2314.4	2310.2	2303.9	2299.7	2302.9
12.5°	2399.5	2412.2	2396.4	2373.3	2355.4	2352.3	2347.0	2344.9	2343.9	2342.8
15°	2446.8	2457.3	2437.4	2410.1	2391.1	2385.9	2380.6	2383.8	2389.0	2395.3
17.5°	2483.6	2494.1	2464.7	2429.0	2411.1	2409.0	2405.9	2416.4	2431.1	2446.8
20°	2517.2	2527.7	2489.9	2441.6	2420.6	2420.6	2421.6	2443.7	2464.7	2487.8
22.5°	2564.5	2572.9	2526.7	2460.5	2430.0	2432.1	2440.5	2462.6	2488.8	2520.4
25°	2634.9	2641.2	2584.5	2496.2	2461.5	2467.8	2475.2	2485.7	2510.9	2547.7
27.5°	2748.3	2753.6	2679.0	2559.2	2506.7	2517.2	2527.7	2520.4	2531.9	2563.4
30°	2908.0	2911.2	2816.6	2658.0	2583.4	2588.7	2590.8	2560.3	2538.2	2563.4
32.5°	3097.1	3096.1	2983.7	2777.8	2670.6	2665.3	2647.5	2587.6	2536.1	2558.2
35°	3390.3	3378.7	3233.7	2945.9	2769.4	2736.8	2694.8	2618.1	2546.6	2552.9
37.5°	3875.6	3839.9	3639.2	3221.1	2916.4	2833.4	2771.5	2667.4	2569.7	2550.8
40°	4423.0	4377.8	4157.2	3598.3	3137.1	3003.6	2903.8	2737.8	2607.6	2560.3
42.5°	5072.2	5008.2	4770.7	4042.7	3416.5	3223.2	3073.0	2827.1	2663.2	2590.8
45°	5869.6	5784.5	5448.4	4543.8	3768.5	3511.1	3310.4	2962.7	2748.3	2649.6
47.5°	6675.4	6696.5	6218.4	5117.4	4190.8	3866.2	3607.7	3166.5	2872.3	2744.1
50°	7531.7	7546.4	6984.3	5753.0	4669.9	4267.5	3941.8	3394.5	3044.6	2878.6
52.5°	8199.9	8202.0	7679.8	6418.1	5168.9	4708.7	4302.2	3655.0	3244.2	3057.2
55°	8618.0	8612.7	8167.3	7047.4	5742.5	5172.1	4701.4	3951.3	3488.0	3267.3
57.5°	8921.6	8905.8	8503.5	7588.4	6354.0	5719.4	5153.1	4287.5	3775.8	3517.4
60°	9037.2	9027.7	8731.5	8055.9	6996.9	6324.5	5674.2	4663.6	4102.6	3812.6
62.5°	9081.3	9099.2	8955.2	8508.7	7685.1	6994.8	6246.8	5113.2	4470.3	4146.7
65°	9236.8	9269.4	9239.9	9101.3	8462.5	7779.6	7006.4	5648.0	4871.6	4504.9
67.5°	9544.6	9577.2	9589.8	9810.4	9412.2	8757.7	7954.0	6314.0	5341.2	4876.8
70°	9537.3	9527.8	9750.5	10374.6	10601.5	10111.9	9231.5	7133.5	5901.2	5185.7
72.5°	8681.0	8605.4	9131.7	10368.3	11591.2	11526.0	10791.7	8190.4	6384.4	5223.5
75°	6512.6	6310.9	7240.7	9343.9	11756.1	12328.7	11783.4	8846.0	6269.9	4615.2
77.5°	2785.1	2582.3	3678.1	6917.1	10521.7	11525.0	10873.6	7717.6	5005.0	3052.0
80°	729.1	728.1	1111.5	3136.0	7155.6	8510.8	7466.5	4984.0	2859.7	1090.5
82.5°	301.5	294.2	408.7	1219.7	3496.4	4776.0	3897.7	2223.0	1032.7	295.2
85°	112.4	111.4	198.6	421.3	1233.4	1969.9	1425.7	568.4	257.4	143.9
87.5°	31.5	30.5	43.1	146.0	300.5	456.0	243.7	93.5	72.5	56.7
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°
2265.1	0°	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1	2265.1
2269.3	2.5°	2272.4	2277.7	2287.1	2294.5	2303.9	2314.4	2329.2	2338.6	2348.1	2354.4
2274.5	5°	2281.9	2293.4	2317.6	2341.8	2370.1	2396.4	2426.9	2448.9	2466.8	2472.0
2293.4	7.5°	2302.9	2321.8	2362.8	2403.7	2448.9	2492.0	2536.1	2573.9	2604.4	2616.0
2327.1	10°	2339.7	2364.9	2422.7	2480.4	2540.3	2606.5	2663.2	2717.9	2760.9	2778.8
2367.0	12.5°	2385.9	2417.4	2493.0	2572.9	2655.9	2747.3	2820.8	2888.1	2941.7	2965.8
2422.7	15°	2445.8	2486.7	2583.4	2690.6	2812.4	2939.5	3033.1	3107.6	3167.5	3196.9
2480.4	17.5°	2510.9	2565.5	2687.4	2849.2	3023.6	3190.6	3299.9	3354.5	3416.5	3444.9
2534.0	20°	2573.9	2641.2	2815.6	3050.9	3283.1	3460.6	3548.9	3563.6	3567.8	3571.0
2584.5	22.5°	2639.1	2729.4	2976.3	3305.2	3554.1	3677.1	3689.7	3626.6	3538.4	3497.4
2633.8	25°	2710.5	2830.3	3186.4	3585.7	3787.4	3802.1	3705.4	3552.0	3385.0	3308.3
2673.8	27.5°	2779.9	2946.9	3438.6	3853.6	3955.5	3826.2	3618.2	3400.8	3199.0	3118.1
2702.1	30°	2849.2	3080.3	3717.0	4087.8	4032.2	3766.4	3480.6	3237.9	3035.2	2950.1
2727.3	32.5°	2919.6	3235.8	4037.4	4257.0	4018.5	3639.2	3309.4	3055.1	2876.5	2787.2
2749.4	35°	2999.4	3427.0	4341.0	4349.4	3927.1	3452.2	3083.5	2836.6	2681.1	2609.7
2775.7	37.5°	3103.4	3669.7	4608.9	4372.6	3767.4	3178.0	2803.0	2578.1	2450.0	2417.4
2814.5	40°	3232.7	3961.8	4813.8	4335.8	3531.0	2845.0	2496.2	2316.6	2244.1	2251.4
2867.1	42.5°	3400.8	4288.5	4957.7	4241.2	3202.2	2501.5	2227.2	2147.4	2182.1	2211.5
2945.9	45°	3619.3	4627.8	5047.0	4080.5	2830.3	2210.4	2068.6	2087.5	2113.8	2116.9
3073.0	47.5°	3898.7	4971.4	5105.9	3837.8	2451.0	2005.6	1967.8	1972.0	1966.7	1944.6
3263.1	50°	4247.5	5305.5	5158.4	3516.3	2128.5	1877.4	1827.0	1812.3	1739.8	1668.3
3516.3	52.5°	4644.7	5612.2	5180.5	3117.1	1877.4	1770.2	1688.3	1595.8	1460.3	1438.3
3834.7	55°	5085.9	5895.9	5123.7	2626.5	1666.2	1632.6	1508.6	1397.3	1382.6	1363.7
4253.8	57.5°	5613.3	6201.6	5008.2	2079.1	1449.8	1471.9	1351.1	1363.7	1337.4	1308.0
4792.8	60°	6190.1	6517.9	4805.4	1580.1	1226.0	1271.2	1310.1	1309.0	1301.7	1277.5
5361.2	62.5°	6709.1	6725.9	4406.2	1210.3	1029.6	1115.7	1221.8	1220.8	1214.5	1200.8
5954.7	65°	7017.9	6694.4	3740.1	952.9	867.8	987.6	1102.1	1110.5	1111.5	1110.5
6401.2	67.5°	6963.3	6325.6	2826.1	758.5	734.4	857.3	983.4	994.9	1003.3	1005.4
6458.0	70°	6345.6	5515.6	1842.7	605.1	615.6	742.8	870.9	882.5	889.8	898.3
5603.8	72.5°	4946.2	4055.3	1054.8	489.6	511.6	644.0	759.6	773.2	777.4	793.2
3899.8	75°	3014.1	2384.8	569.4	385.6	420.2	550.5	649.3	665.0	672.4	691.3
1915.2	77.5°	1433.0	1032.7	324.6	300.5	338.3	449.7	548.4	566.3	546.3	556.8
528.4	80°	484.3	383.5	204.9	229.0	258.4	350.9	439.1	457.0	415.0	412.9
175.4	82.5°	169.1	155.5	130.3	152.3	167.0	251.1	332.0	355.1	308.9	307.8
78.8	85°	66.2	63.0	72.5	83.0	99.8	154.4	218.5	230.1	190.2	153.4
23.1	87.5°	13.7	14.7	17.9	18.9	30.5	53.6	78.8	96.7	76.7	65.1
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°
2265.1
2350.2
2474.1
2617.0
2779.9
2965.8
3194.8
3443.8
3579.4
3509.0
3319.9
3127.6
2959.5
2798.8
2625.4
2440.5
2276.6
2238.8
2137.9
1961.5
1677.8
1445.6
1366.8
1302.7
1269.1
1195.6
1110.5
1007.5
902.5
799.5
693.4
548.4
408.7
293.1
151.3
59.9
0.0

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