

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: P848713

Luminaire Tested: **GLAN-SB5B-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848713
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-SB5B-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 19023 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

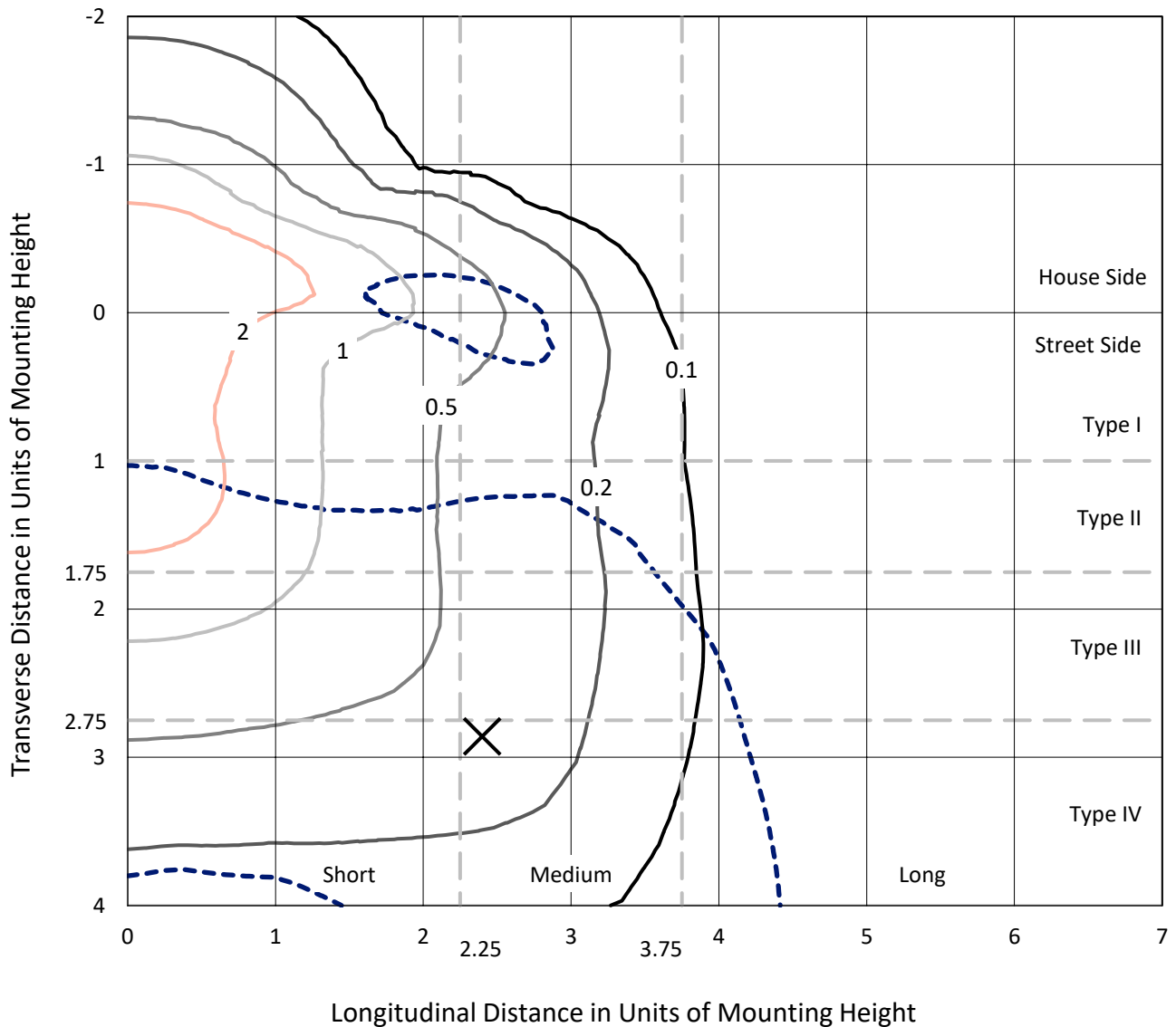
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

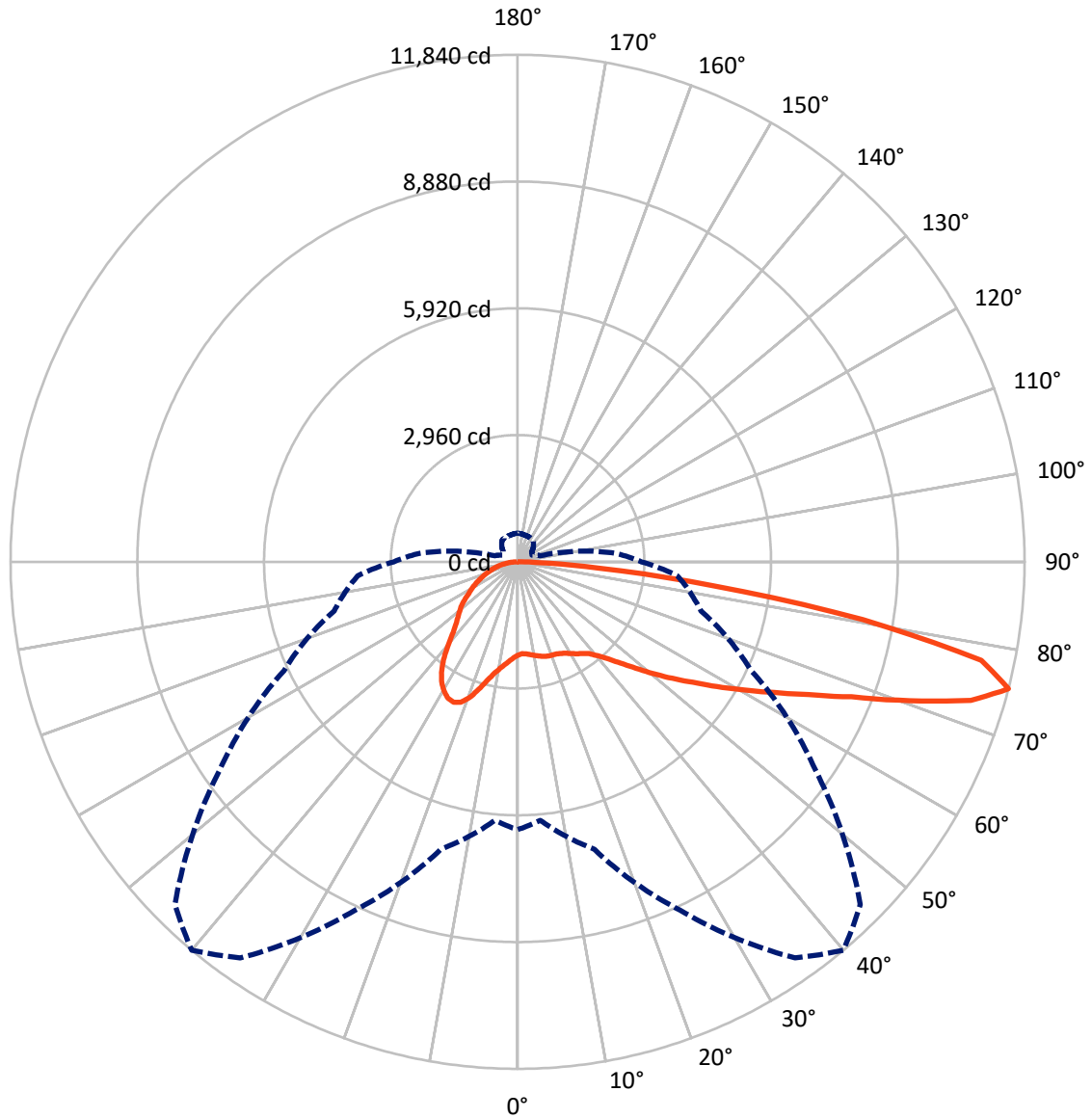
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	5894.0	0.0	5894.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13129.0	0.0	13129.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	19023.0	0.0	19023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.1	1.1
10°-20°	729.0	3.8
20°-30°	1331.1	7.0
30°-40°	1887.9	9.9
40°-50°	2549.3	13.4
50°-60°	3429.5	18.0
60°-70°	4352.8	22.9
70°-80°	3950.4	20.8
80°-90°	575.8	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°	19023.0	100.0
0°-180°	19023.0	100.0

Coefficient of Utilization

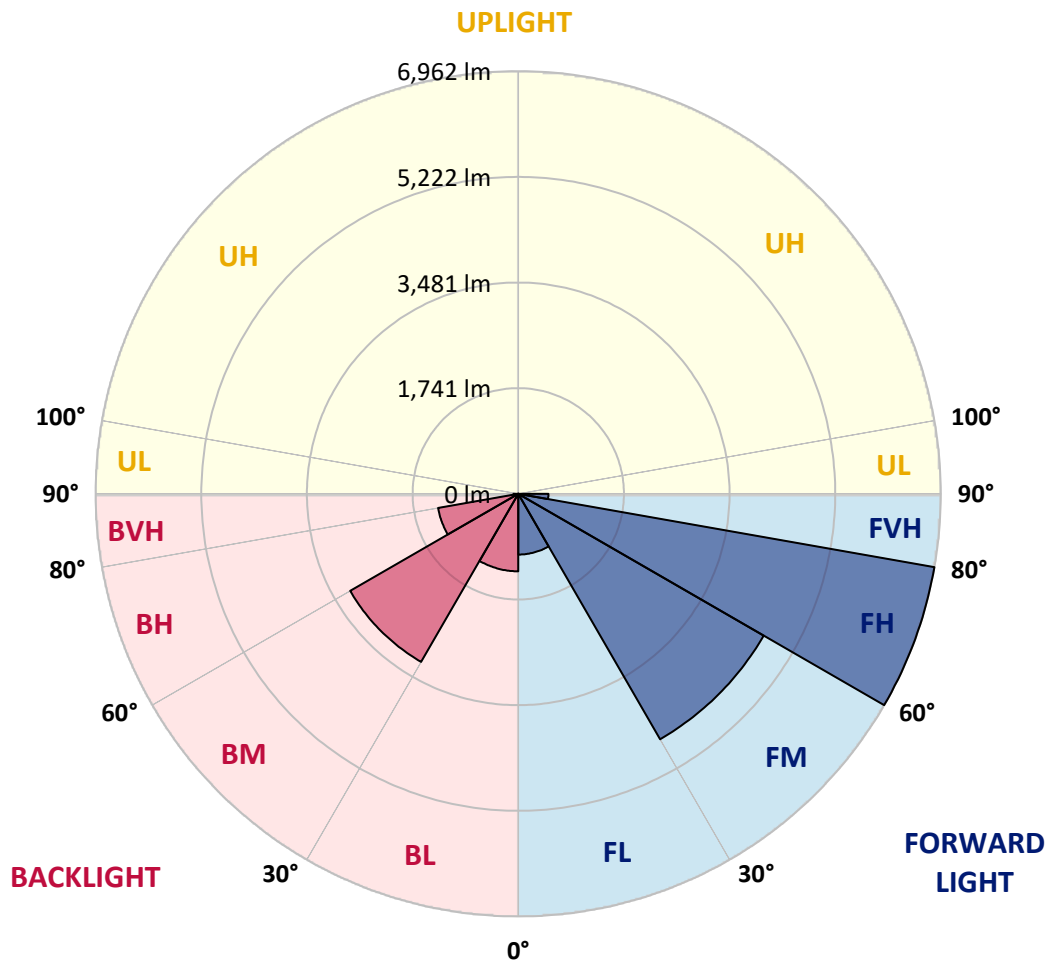


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1000.6	5.3			
FM (30°-60°)	4669.7	24.5			
FH (60°-80°)	6962.1	36.6			G3/7500
FVH (80°-90°)	496.6	2.6			G3/500
BL (0°-30°)	1276.7	6.7	B3/2500		
BM (30°-60°)	3196.9	16.8	B3/5000		
BH (60°-80°)	1341.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	79.3	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-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3
2.5°	2142.0	2154.1	2151.1	2147.1	2147.1	2148.1	2147.1	2154.1	2161.2	2168.2
5°	2164.2	2176.3	2170.3	2165.2	2161.2	2160.2	2157.1	2156.1	2160.2	2169.3
7.5°	2207.6	2219.7	2210.6	2201.5	2193.5	2189.4	2185.4	2179.3	2176.3	2181.4
10°	2256.0	2268.1	2257.0	2240.9	2227.8	2222.7	2218.7	2212.6	2208.6	2211.6
12.5°	2304.5	2316.6	2301.4	2279.2	2262.1	2259.0	2254.0	2252.0	2251.0	2250.0
15°	2349.9	2359.9	2340.8	2314.5	2296.4	2291.3	2286.3	2289.3	2294.4	2300.4
17.5°	2385.2	2395.3	2367.0	2332.7	2315.6	2313.5	2310.5	2320.6	2334.7	2349.9
20°	2417.5	2427.5	2391.2	2344.8	2324.6	2324.6	2325.6	2346.8	2367.0	2389.2
22.5°	2462.9	2470.9	2426.5	2363.0	2333.7	2335.7	2343.8	2365.0	2390.2	2420.5
25°	2530.5	2536.5	2482.0	2397.3	2364.0	2370.0	2377.1	2387.2	2411.4	2446.7
27.5°	2639.4	2644.5	2572.8	2457.8	2407.4	2417.5	2427.5	2420.5	2431.6	2461.8
30°	2792.8	2795.8	2705.0	2552.7	2481.0	2486.1	2488.1	2458.8	2437.6	2461.8
32.5°	2974.4	2973.4	2865.4	2667.7	2564.8	2559.7	2542.6	2485.1	2435.6	2456.8
35°	3255.9	3244.8	3105.6	2829.1	2659.6	2628.3	2588.0	2514.3	2445.7	2451.8
37.5°	3722.0	3687.7	3495.0	3093.5	2800.9	2721.1	2661.6	2561.7	2467.9	2449.7
40°	4247.7	4204.3	3992.4	3455.7	3012.7	2884.6	2788.7	2629.3	2504.2	2458.8
42.5°	4871.2	4809.7	4581.7	3882.5	3281.1	3095.5	2951.2	2715.1	2557.7	2488.1
45°	5637.0	5555.3	5232.4	4363.7	3619.1	3371.9	3179.2	2845.3	2639.4	2544.6
47.5°	6410.9	6431.1	5972.0	4914.6	4024.7	3713.0	3464.7	3041.0	2758.5	2635.4
50°	7233.2	7247.3	6707.5	5525.0	4484.8	4098.4	3785.6	3259.9	2923.9	2764.5
52.5°	7874.9	7876.9	7375.5	6163.7	4964.1	4522.1	4131.7	3510.2	3115.7	2936.1
55°	8276.5	8271.4	7843.6	6768.1	5514.9	4967.1	4515.1	3794.7	3349.7	3137.8
57.5°	8568.0	8552.9	8166.5	7287.7	6102.2	5492.7	4948.9	4117.5	3626.2	3378.0
60°	8679.0	8669.9	8385.4	7736.7	6719.6	6073.9	5449.4	4478.7	3940.0	3661.5
62.5°	8721.4	8738.6	8600.3	8171.5	7380.5	6717.6	5999.2	4910.6	4293.1	3982.3
65°	8870.7	8902.0	8873.8	8740.6	8127.1	7471.3	6728.7	5424.1	4678.5	4326.4
67.5°	9166.3	9197.6	9209.7	9421.6	9039.2	8410.6	7638.8	6063.8	5129.5	4683.6
70°	9159.3	9150.2	9364.1	9963.4	10181.4	9711.2	8865.7	6850.8	5667.3	4980.2
72.5°	8337.0	8264.3	8769.8	9957.4	11131.8	11069.2	10364.0	7865.8	6131.4	5016.5
75°	6254.5	6060.8	6953.7	8973.6	11290.2	11840.1	11316.4	8495.4	6021.4	4432.3
77.5°	2674.7	2480.0	3532.3	6643.0	10104.7	11068.2	10442.7	7411.8	4806.7	2931.0
80°	700.2	699.2	1067.5	3011.7	6872.0	8173.5	7170.6	4786.5	2746.4	1047.3
82.5°	289.6	282.5	392.5	1171.4	3357.8	4586.7	3743.2	2134.9	991.8	283.5
85°	108.0	106.9	190.7	404.6	1184.5	1891.8	1369.2	545.8	247.2	138.2
87.5°	30.3	29.3	41.4	140.2	288.6	437.9	234.1	89.8	69.6	54.5
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°
2175.3	0°	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3	2175.3
2179.3	2.5°	2182.4	2187.4	2196.5	2203.6	2212.6	2222.7	2236.9	2245.9	2255.0	2261.1
2184.4	5°	2191.4	2202.5	2225.8	2249.0	2276.2	2301.4	2330.7	2351.9	2369.0	2374.1
2202.5	7.5°	2211.6	2229.8	2269.1	2308.5	2351.9	2393.2	2435.6	2471.9	2501.2	2512.3
2234.8	10°	2246.9	2271.2	2326.6	2382.1	2439.7	2503.2	2557.7	2610.2	2651.5	2668.7
2273.2	12.5°	2291.3	2321.6	2394.2	2470.9	2550.6	2638.4	2709.0	2773.6	2825.1	2848.3
2326.6	15°	2348.8	2388.2	2481.0	2583.9	2701.0	2823.1	2912.9	2984.5	3042.0	3070.2
2382.1	17.5°	2411.4	2463.9	2580.9	2736.3	2903.8	3064.2	3169.1	3221.6	3281.1	3308.4
2433.6	20°	2471.9	2536.5	2704.0	2930.0	3153.0	3323.5	3408.2	3422.4	3426.4	3429.4
2482.0	22.5°	2534.5	2621.3	2858.4	3174.2	3413.3	3531.3	3543.4	3482.9	3398.2	3358.8
2529.4	25°	2603.1	2718.1	3060.2	3443.6	3637.3	3651.4	3558.6	3411.3	3250.9	3177.2
2567.8	27.5°	2669.7	2830.1	3302.3	3700.8	3798.7	3674.6	3474.8	3266.0	3072.3	2994.6
2595.0	30°	2736.3	2958.3	3569.7	3925.8	3872.4	3617.1	3342.7	3109.6	2914.9	2833.1
2619.2	32.5°	2803.9	3107.6	3877.4	4088.3	3859.3	3495.0	3178.2	2934.0	2762.5	2676.8
2640.4	35°	2880.6	3291.2	4169.0	4177.1	3771.5	3315.4	2961.3	2724.2	2574.9	2506.2
2665.7	37.5°	2980.5	3524.3	4426.3	4199.3	3618.1	3052.1	2691.9	2476.0	2352.9	2321.6
2703.0	40°	3104.6	3804.8	4623.0	4164.0	3391.1	2732.2	2397.3	2224.7	2155.1	2162.2
2753.4	42.5°	3266.0	4118.6	4761.3	4073.1	3075.3	2402.3	2139.0	2062.3	2095.6	2123.8
2829.1	45°	3475.8	4444.4	4847.0	3918.8	2718.1	2122.8	1986.6	2004.8	2030.0	2033.0
2951.2	47.5°	3744.2	4774.4	4903.5	3685.7	2353.9	1926.1	1889.8	1893.8	1888.8	1867.6
3133.8	50°	4079.2	5095.2	4954.0	3377.0	2044.1	1803.0	1754.6	1740.4	1670.8	1602.2
3377.0	52.5°	4460.6	5389.8	4975.2	2993.6	1803.0	1700.1	1621.4	1532.6	1402.4	1381.3
3682.7	55°	4884.3	5662.3	4920.7	2522.4	1600.2	1567.9	1448.9	1341.9	1327.8	1309.6
4085.3	57.5°	5390.8	5955.9	4809.7	1996.7	1392.4	1413.5	1297.5	1309.6	1284.4	1256.1
4602.8	60°	5944.8	6259.6	4615.0	1517.5	1177.4	1220.8	1258.2	1257.2	1250.1	1226.9
5148.7	62.5°	6443.2	6459.3	4231.6	1162.3	988.8	1071.5	1173.4	1172.4	1166.4	1153.2
5718.8	65°	6739.8	6429.1	3591.9	915.1	833.4	948.4	1058.4	1066.5	1067.5	1066.5
6147.6	67.5°	6687.3	6074.9	2714.1	728.5	705.3	823.3	944.4	955.5	963.6	965.6
6202.0	70°	6094.1	5297.0	1769.7	581.2	591.2	713.3	836.4	847.5	854.6	862.7
5381.8	72.5°	4750.2	3894.6	1013.0	470.2	491.4	618.5	729.5	742.6	746.6	761.8
3745.2	75°	2894.7	2290.3	546.9	370.3	403.6	528.7	623.5	638.7	645.7	663.9
1839.3	77.5°	1376.2	991.8	311.8	288.6	324.9	431.8	526.7	543.8	524.7	534.7
507.5	80°	465.1	368.3	196.7	220.0	248.2	337.0	421.7	438.9	398.5	396.5
168.5	82.5°	162.4	149.3	125.1	146.3	160.4	241.1	318.8	341.0	296.6	295.6
75.7	85°	63.6	60.5	69.6	79.7	95.9	148.3	209.9	221.0	182.6	147.3
22.2	87.5°	13.1	14.1	17.2	18.2	29.3	51.5	75.7	92.8	73.7	62.6
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°
2175.3
2257.0
2376.1
2513.3
2669.7
2848.3
3068.2
3307.4
3437.5
3369.9
3188.3
3003.7
2842.2
2687.9
2521.4
2343.8
2186.4
2150.1
2053.2
1883.7
1611.3
1388.3
1312.6
1251.1
1218.8
1148.2
1066.5
967.6
866.7
767.8
665.9
526.7
392.5
281.5
145.3
57.5
0.0

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