

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: P848486

Luminaire Tested: **GLAN-SB5A-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17901 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

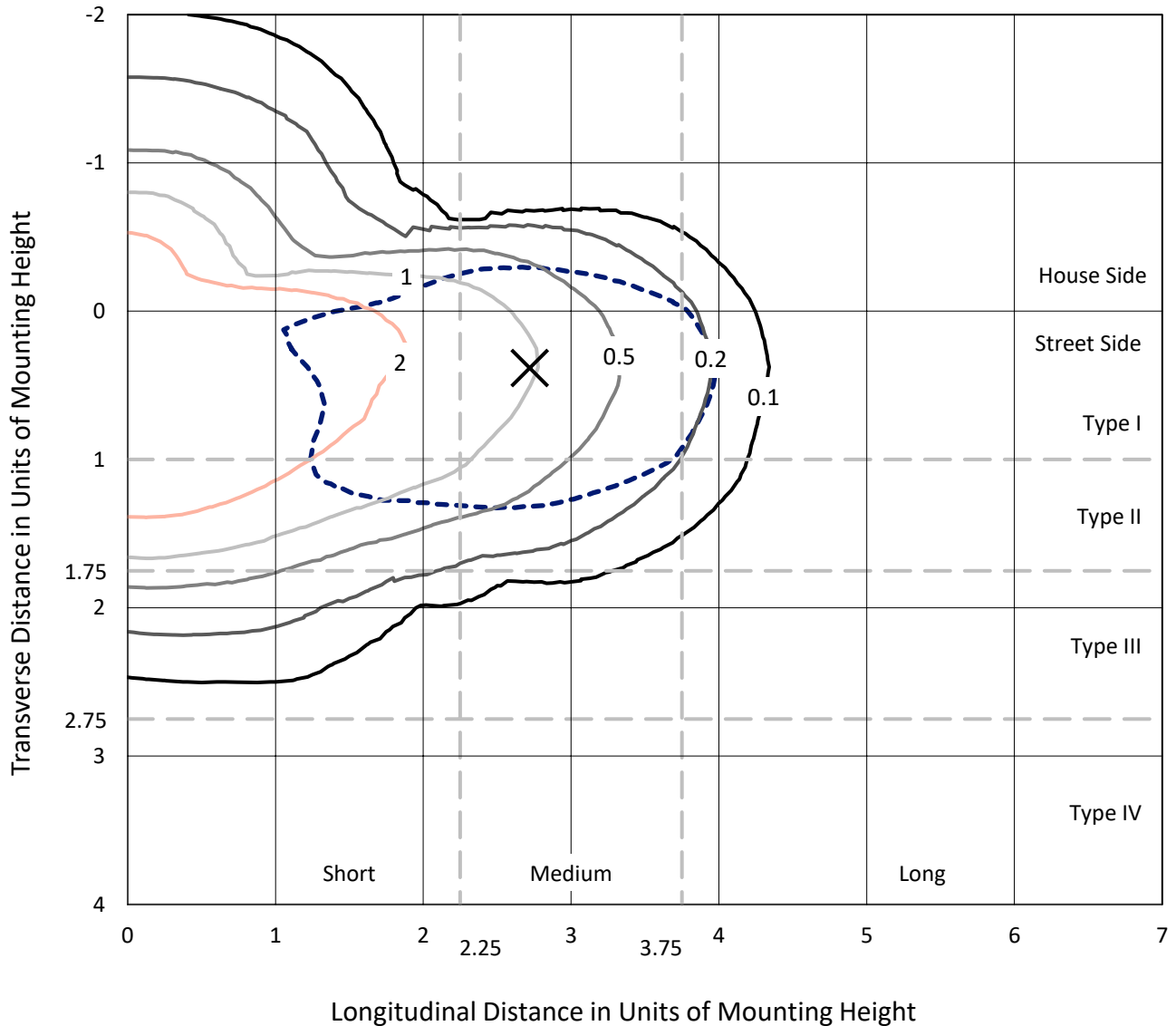
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

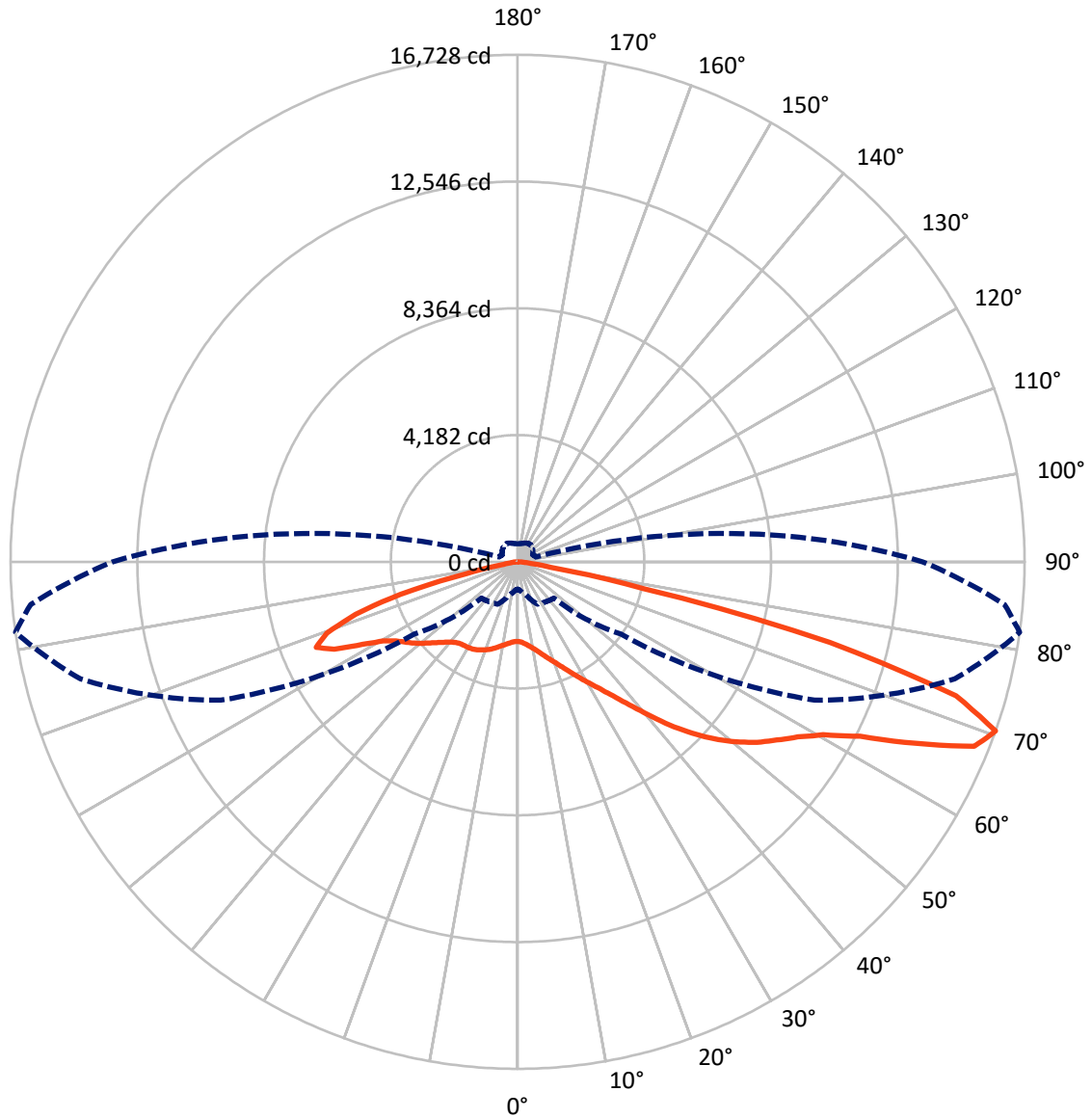
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4413.0	0.0	4413.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13488.0	0.0	13488.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	17901.0	0.0	17901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.8	1.4
10°-20°	711.9	4.0
20°-30°	1191.0	6.7
30°-40°	1860.7	10.4
40°-50°	2963.3	16.6
50°-60°	4123.8	23.0
60°-70°	4313.7	24.1
70°-80°	2254.6	12.6
80°-90°	234.1	1.3
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°	17901.0	100.0
0°-180°	17901.0	100.0

Coefficient of Utilization

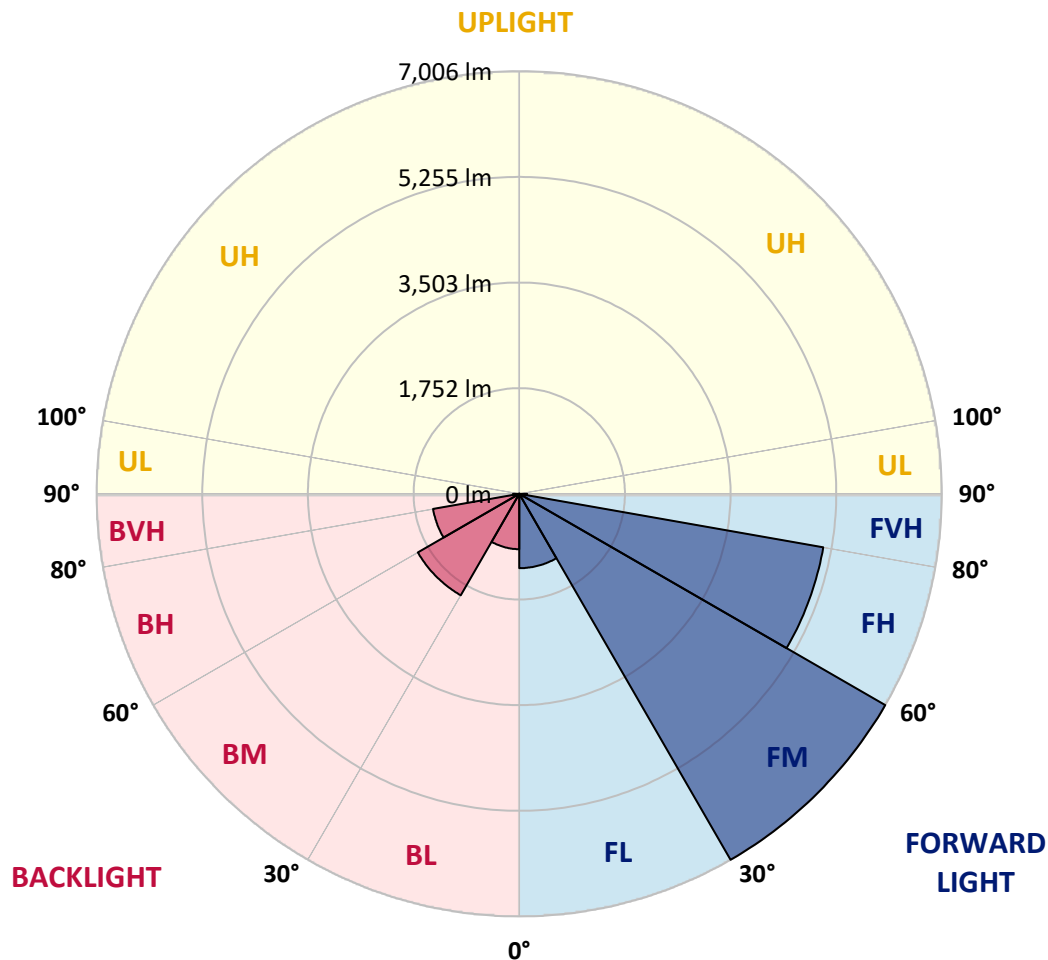


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1232.7	6.9			
FM (30°-60°)	7006.3	39.1			
FH (60°-80°)	5118.0	28.6			G3/7500
FVH (80°-90°)	131.1	0.7			G2/225
BL (0°-30°)	918.1	5.1	B2/1000		
BM (30°-60°)	1941.6	10.8	B2/2500		
BH (60°-80°)	1450.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	103.1	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5
2.5°	2687.2	2702.4	2697.7	2692.9	2692.9	2686.3	2685.3	2675.8	2668.2	2655.9
5°	2721.4	2737.5	2735.6	2739.4	2751.8	2754.6	2757.5	2751.8	2736.6	2721.4
7.5°	2691.0	2709.0	2714.7	2737.5	2775.5	2809.7	2835.4	2845.8	2831.6	2809.7
10°	2588.4	2608.4	2628.3	2682.5	2749.9	2830.6	2899.0	2939.9	2937.0	2916.1
12.5°	2380.4	2401.3	2444.0	2549.5	2673.0	2815.4	2942.7	3028.2	3057.7	3042.5
15°	2214.2	2232.2	2264.5	2372.8	2533.3	2749.9	2958.9	3125.1	3200.1	3191.6
17.5°	2209.4	2217.0	2237.0	2288.3	2411.7	2647.3	2941.8	3220.1	3363.5	3362.6
20°	2293.0	2295.9	2307.3	2317.7	2388.0	2569.4	2898.1	3298.9	3546.8	3546.8
22.5°	2408.9	2407.0	2418.4	2408.9	2443.1	2562.8	2870.5	3368.3	3751.1	3766.3
25°	2582.7	2573.2	2570.4	2548.5	2555.2	2624.5	2900.9	3447.1	3993.3	4024.6
27.5°	2814.5	2799.3	2788.8	2738.5	2721.4	2751.8	2994.0	3542.1	4263.0	4317.2
30°	3116.5	3089.0	3073.8	2986.4	2924.7	2929.4	3134.6	3668.4	4545.2	4632.6
32.5°	3528.8	3486.0	3445.2	3301.8	3188.7	3151.7	3316.0	3843.2	4851.0	4990.7
35°	3990.4	3956.2	3912.5	3691.2	3517.4	3431.9	3561.1	4087.3	5209.1	5430.4
37.5°	4435.0	4405.5	4426.4	4128.2	3904.0	3779.6	3882.1	4415.0	5650.8	5977.6
40°	4894.7	4871.9	4874.8	4589.8	4328.6	4189.0	4271.6	4826.3	6157.1	6628.2
42.5°	5394.4	5377.3	5320.3	5067.6	4774.1	4643.9	4719.9	5301.3	6700.4	7369.1
45°	5953.8	5943.4	5890.2	5600.5	5264.2	5117.9	5220.5	5825.6	7246.6	8066.4
47.5°	6437.3	6445.9	6439.2	6195.1	5846.5	5631.8	5754.4	6372.7	7754.8	8721.8
50°	6670.0	6714.7	6780.2	6704.2	6487.7	6269.2	6292.9	6900.9	8239.2	9336.3
52.5°	6548.5	6633.0	6811.6	6933.2	7016.7	6971.1	6907.5	7425.2	8695.2	9891.1
55°	6095.4	6214.1	6510.5	6804.0	7230.5	7562.0	7645.6	8006.5	9139.7	10379.3
57.5°	5269.9	5462.7	5728.7	6322.4	7040.5	7847.9	8506.1	8813.0	9610.9	10900.8
60°	3854.6	4113.0	4443.5	5326.9	6375.6	7695.0	9238.5	10051.6	10280.5	11576.2
62.5°	2466.8	2626.4	2930.4	3762.5	4967.9	6911.3	9462.7	11599.9	11415.6	12683.7
65°	1688.9	1791.5	2069.8	2537.1	3211.5	5144.5	8862.4	12760.6	13218.5	14439.1
67.5°	1227.2	1305.1	1542.6	1952.0	2092.6	3044.4	6877.1	12707.5	14971.0	16247.6
70°	894.8	949.9	1149.4	1542.6	1610.0	1693.6	4166.2	10802.0	14933.0	16728.3
72.5°	663.0	701.0	834.9	1196.8	1303.2	1143.7	2062.2	7850.7	12831.9	15130.6
75°	479.7	508.2	607.0	915.7	1043.0	871.0	1028.7	4587.9	8950.7	10643.4
77.5°	366.7	388.5	453.1	670.6	834.9	653.5	638.3	2110.6	4244.1	4264.9
80°	294.5	308.7	343.9	472.1	640.2	489.2	416.0	852.0	1341.2	1135.1
82.5°	216.6	240.3	290.7	331.5	457.8	337.2	253.6	430.3	510.1	438.8
85°	123.5	139.6	175.7	237.5	292.6	206.1	145.3	190.9	237.5	194.7
87.5°	43.7	57.0	61.7	93.1	127.3	85.5	56.0	55.1	77.9	57.9
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°
2624.5	0°	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5	2624.5
2653.0	2.5°	2643.5	2638.8	2619.8	2594.1	2567.5	2541.9	2533.3	2515.3	2502.9	2496.3
2714.7	5°	2696.7	2681.5	2636.9	2579.9	2520.0	2455.4	2409.8	2368.0	2337.6	2309.2
2799.3	7.5°	2772.7	2746.1	2669.2	2569.4	2463.0	2355.7	2275.9	2215.1	2174.3	2147.7
2898.1	10°	2861.0	2820.2	2702.4	2553.3	2388.9	2235.1	2141.0	2088.8	2063.1	2048.9
3011.1	12.5°	2962.7	2904.7	2736.6	2516.2	2275.9	2100.2	2035.6	2020.4	2021.3	2022.3
3153.6	15°	3088.1	3007.3	2764.1	2435.5	2128.7	1996.6	1985.2	2009.9	2035.6	2047.9
3315.1	17.5°	3229.6	3115.6	2768.9	2302.5	1984.3	1930.2	1966.2	2019.4	2058.4	2075.5
3495.5	20°	3381.6	3225.8	2734.7	2114.4	1865.6	1876.0	1940.6	2009.0	2051.7	2073.6
3701.7	22.5°	3555.4	3343.6	2653.0	1916.9	1768.7	1817.1	1893.1	1959.6	2004.2	2026.1
3943.9	25°	3753.9	3475.6	2524.8	1750.6	1685.1	1750.6	1826.6	1881.7	1917.8	1937.7
4214.6	27.5°	3974.3	3613.3	2353.8	1618.6	1611.9	1682.2	1744.9	1787.7	1806.7	1821.9
4502.4	30°	4195.6	3738.7	2146.7	1518.9	1548.3	1614.8	1659.4	1678.4	1684.1	1687.0
4823.5	32.5°	4435.0	3847.0	1929.2	1436.2	1487.5	1549.2	1575.8	1584.4	1557.8	1539.8
5212.9	35°	4724.7	3962.9	1716.4	1370.7	1427.7	1480.9	1489.4	1481.8	1450.5	1413.4
5701.2	37.5°	5082.8	4107.3	1546.4	1324.1	1371.6	1406.8	1396.3	1394.4	1397.3	1353.6
6288.2	40°	5521.6	4295.3	1422.0	1288.0	1326.0	1333.6	1304.2	1320.3	1334.6	1268.1
6932.2	42.5°	6008.9	4522.4	1343.1	1263.3	1288.0	1270.0	1224.4	1242.4	1240.5	1153.2
7579.1	45°	6505.7	4769.3	1315.6	1245.3	1252.9	1216.8	1166.4	1171.2	1131.3	1052.5
8199.3	47.5°	6999.6	5034.3	1332.7	1230.1	1209.2	1168.3	1129.4	1108.5	1049.6	990.7
8794.0	50°	7484.1	5312.7	1395.4	1199.7	1149.4	1125.6	1097.1	1060.1	997.4	947.0
9356.3	52.5°	7933.4	5592.9	1465.7	1149.4	1074.3	1088.6	1070.5	1027.8	966.0	914.7
9888.2	55°	8358.9	5873.1	1493.2	1080.0	1004.0	1056.3	1045.8	967.0	892.9	851.1
10444.8	57.5°	8822.5	6210.3	1462.8	991.7	947.0	1019.2	979.3	891.9	849.2	817.8
11169.6	60°	9464.6	6739.4	1397.3	882.4	892.9	964.1	895.7	859.6	813.1	777.9
12256.3	62.5°	10531.3	7726.3	1291.8	774.1	829.2	882.4	855.8	819.7	772.3	738.1
14114.2	65°	12108.1	9097.9	1093.3	689.6	758.0	802.6	813.1	777.0	727.6	691.5
15742.3	67.5°	13437.9	9958.5	827.3	619.3	684.9	738.1	767.5	732.4	680.1	645.0
16123.2	70°	13364.8	9333.5	631.7	550.0	620.3	674.4	712.4	684.9	628.8	595.6
14645.2	72.5°	11870.6	7808.0	511.0	479.7	554.7	607.9	653.5	632.6	575.6	543.3
10728.9	75°	8720.8	5542.5	408.4	408.4	473.0	538.6	588.9	575.6	523.4	500.6
4504.3	77.5°	3676.0	2325.3	320.1	339.1	393.2	462.6	525.3	530.0	484.4	512.9
1191.1	80°	977.4	641.2	244.1	266.9	308.7	381.9	456.9	455.0	405.6	379.0
442.6	82.5°	372.4	252.7	173.8	188.1	223.2	292.6	361.9	373.3	323.9	280.2
173.8	85°	143.4	108.3	107.3	113.0	130.1	193.8	273.6	283.1	244.1	207.1
48.4	87.5°	37.0	32.3	39.9	38.0	59.8	103.5	156.7	162.4	149.1	86.4
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°
2624.5
2503.9
2320.5
2153.4
2052.7
2024.2
2047.0
2079.3
2079.3
2031.8
1943.4
1827.6
1693.6
1545.5
1415.3
1356.4
1270.0
1152.2
1055.3
990.7
943.2
915.7
847.3
815.0
776.0
738.1
693.4
645.9
598.4
543.3
493.9
465.4
352.4
280.2
213.7
123.5
0.0

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