

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: P849896

Luminaire Tested: **GLAN-SB7A-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849896
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-SB7A-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20356 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

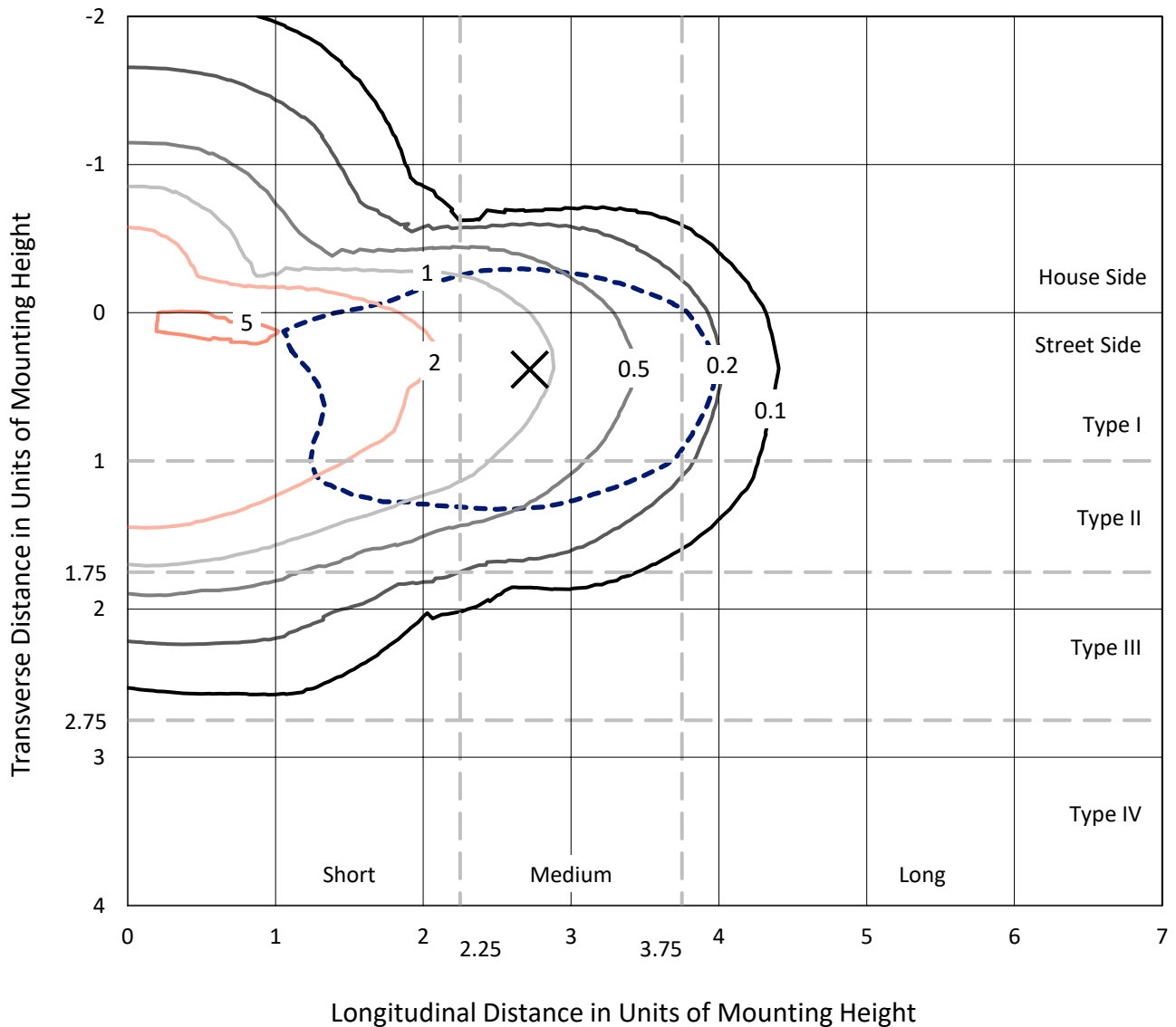
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

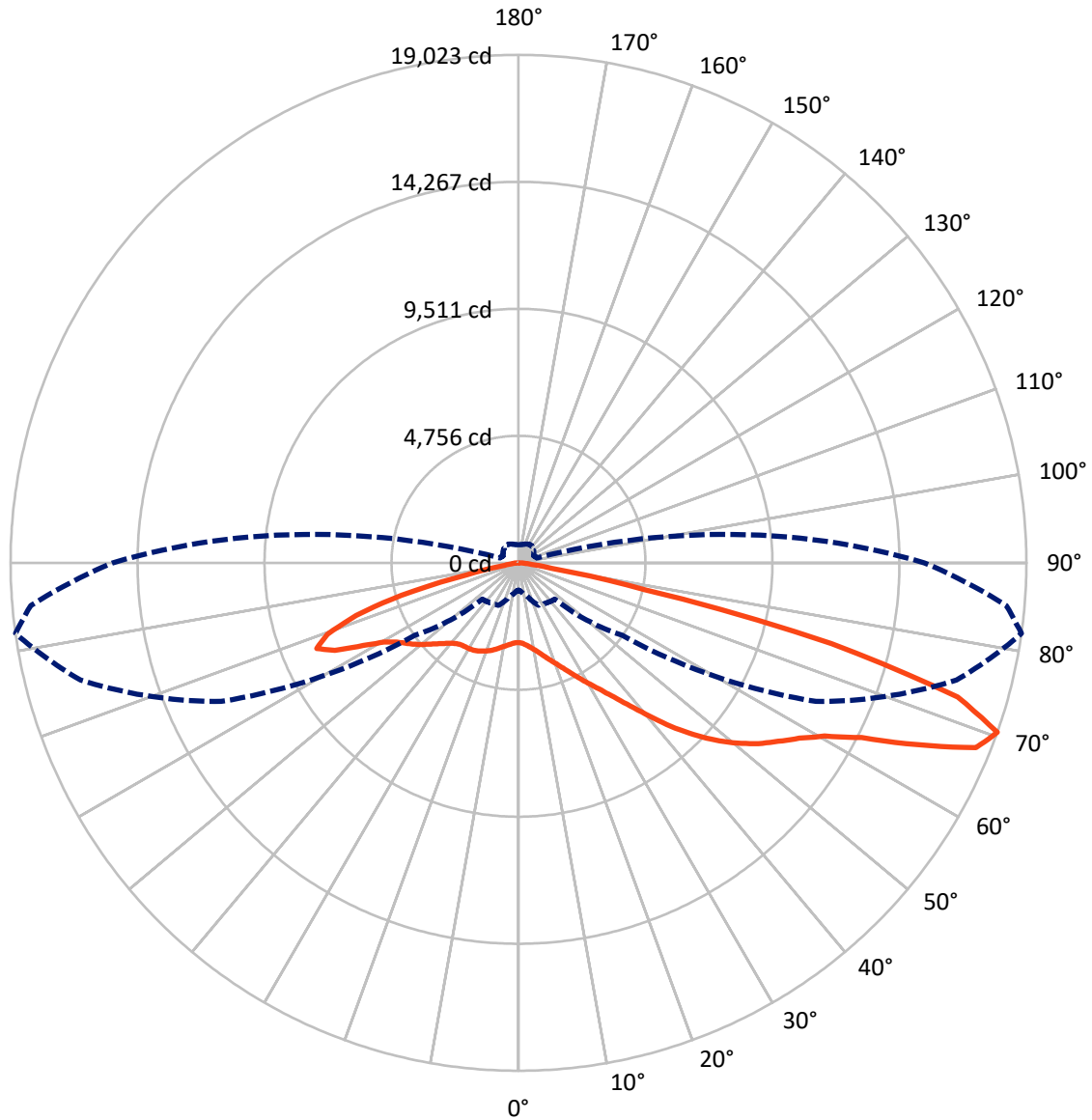
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	5018.3	0.0	5018.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	15337.8	0.0	15337.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	20356.0	0.0	20356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.8	1.4
10°-20°	809.6	4.0
20°-30°	1354.3	6.7
30°-40°	2115.8	10.4
40°-50°	3369.7	16.6
50°-60°	4689.4	23.0
60°-70°	4905.3	24.1
70°-80°	2563.8	12.6
80°-90°	266.2	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°	20356.0	100.0
0°-180°	20356.0	100.0

Coefficient of Utilization



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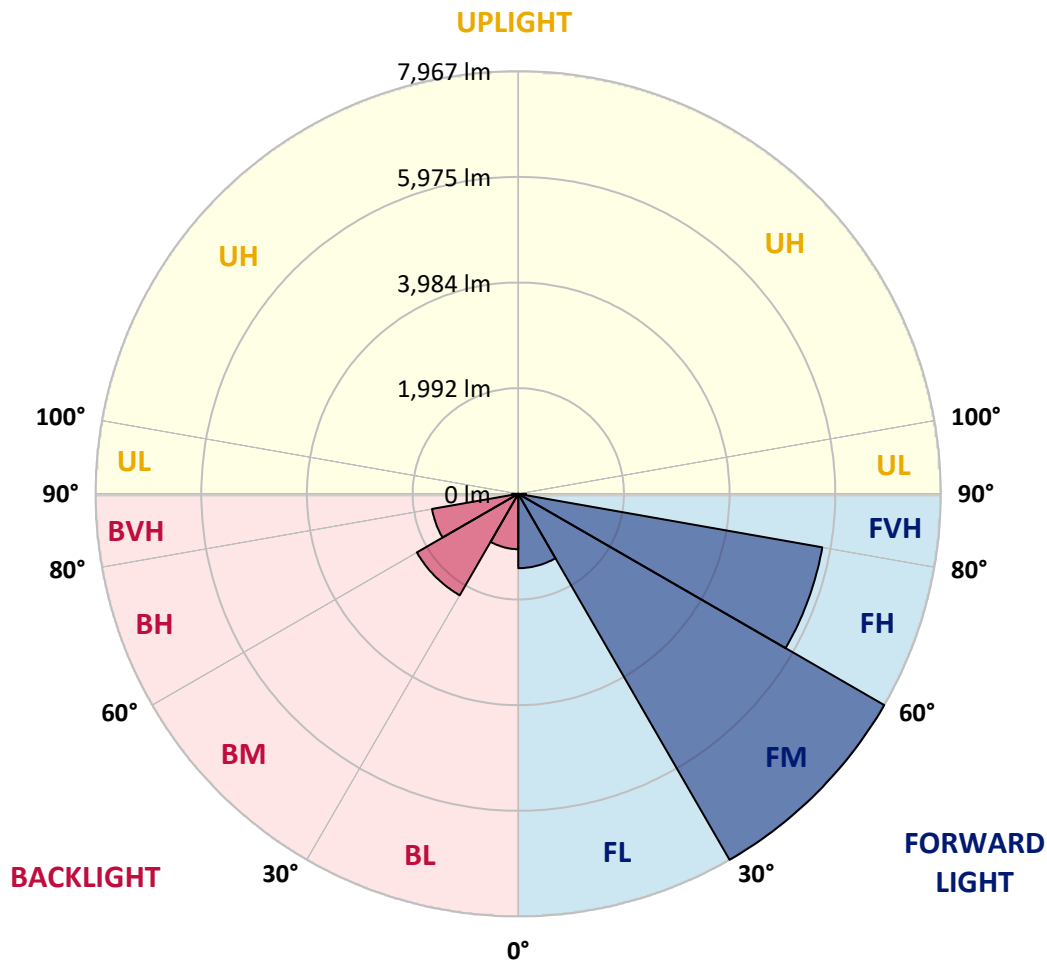
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1401.7	6.9			
FM (30°-60°)	7967.1	39.1			
FH (60°-80°)	5819.8	28.6			G3/7500
FVH (80°-90°)	149.0	0.7			G2/225
BL (0°-30°)	1044.0	5.1	B3/2500		
BM (30°-60°)	2207.8	10.8	B2/2500		
BH (60°-80°)	1649.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	117.2	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°	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4
2.5°	3055.7	3073.0	3067.6	3062.2	3062.2	3054.7	3053.6	3042.8	3034.1	3020.1
5°	3094.6	3113.0	3110.8	3115.1	3129.2	3132.4	3135.7	3129.2	3111.9	3094.6
7.5°	3060.1	3080.6	3087.1	3113.0	3156.2	3195.1	3224.2	3236.1	3219.9	3195.1
10°	2943.4	2966.1	2988.8	3050.3	3127.0	3218.8	3296.6	3343.1	3339.8	3316.0
12.5°	2706.8	2730.6	2779.2	2899.1	3039.5	3201.6	3346.3	3443.5	3477.0	3459.7
15°	2517.8	2538.3	2575.1	2698.2	2880.8	3127.0	3364.7	3553.7	3639.0	3629.3
17.5°	2512.4	2521.1	2543.7	2602.1	2742.5	3010.4	3345.2	3661.7	3824.8	3823.7
20°	2607.5	2610.7	2623.7	2635.6	2715.5	2921.8	3295.5	3751.3	4033.3	4033.3
22.5°	2739.3	2737.1	2750.1	2739.3	2778.1	2914.2	3264.2	3830.2	4265.5	4282.8
25°	2936.9	2926.1	2922.9	2898.0	2905.6	2984.4	3298.8	3919.9	4540.9	4576.6
27.5°	3200.5	3183.2	3171.3	3114.1	3094.6	3129.2	3404.6	4027.9	4847.7	4909.3
30°	3544.0	3512.6	3495.4	3396.0	3325.8	3331.2	3564.5	4171.5	5168.5	5267.9
32.5°	4012.7	3964.1	3917.7	3754.6	3626.1	3583.9	3770.8	4370.3	5516.3	5675.1
35°	4537.7	4498.8	4449.1	4197.4	3999.8	3902.6	4049.5	4647.9	5923.5	6175.2
37.5°	5043.2	5009.7	5033.5	4694.3	4439.4	4297.9	4414.6	5020.5	6425.8	6797.4
40°	5566.0	5540.1	5543.3	5219.3	4922.2	4763.4	4857.4	5488.2	7001.5	7537.3
42.5°	6134.2	6114.7	6049.9	5762.6	5428.8	5280.8	5367.2	6028.3	7619.4	8379.8
45°	6770.4	6758.5	6698.0	6368.5	5986.2	5819.8	5936.5	6624.5	8240.4	9172.6
47.5°	7320.2	7329.9	7322.3	7044.7	6648.3	6404.2	6543.5	7246.7	8818.3	9917.9
50°	7584.8	7635.6	7710.1	7623.7	7377.4	7129.0	7156.0	7847.3	9369.2	10616.8
52.5°	7446.5	7542.7	7745.7	7884.0	7979.0	7927.2	7854.8	8443.5	9887.7	11247.6
55°	6931.3	7066.3	7403.3	7737.1	8222.1	8599.0	8694.1	9104.6	10393.2	11802.8
57.5°	5992.7	6211.9	6514.4	7189.5	8006.0	8924.2	9672.7	10021.6	10928.9	12395.8
60°	4383.2	4677.0	5052.9	6057.5	7249.9	8750.3	10505.5	11430.1	11690.4	13163.7
62.5°	2805.1	2986.6	3332.3	4278.5	5649.2	7859.1	10760.4	13190.7	12981.2	14423.2
65°	1920.5	2037.2	2353.6	2885.1	3652.0	5850.1	10077.8	14510.7	15031.3	16419.3
67.5°	1395.5	1484.1	1754.2	2219.7	2379.6	3461.9	7820.3	14450.2	17024.2	18475.9
70°	1017.5	1080.1	1307.0	1754.2	1830.8	1925.9	4737.5	12283.4	16981.0	19022.5
72.5°	753.9	797.1	949.4	1361.0	1482.0	1300.5	2345.0	8927.4	14591.7	17205.6
75°	545.5	577.9	690.2	1041.3	1186.0	990.5	1169.8	5217.1	10178.2	12103.0
77.5°	416.9	441.8	515.2	762.6	949.4	743.1	725.9	2400.1	4826.1	4849.9
80°	334.8	351.0	391.0	536.8	728.0	556.3	473.1	968.9	1525.2	1290.8
82.5°	246.3	273.3	330.5	377.0	520.6	383.5	288.4	489.3	580.0	499.0
85°	140.4	158.8	199.8	270.0	332.7	234.4	165.3	217.1	270.0	221.4
87.5°	49.7	64.8	70.2	105.9	144.7	97.2	63.7	62.6	88.6	65.9
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°
2984.4	0°	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4	2984.4
3016.8	2.5°	3006.0	3000.6	2979.0	2949.9	2919.6	2890.5	2880.8	2860.2	2846.2	2838.6
3087.1	5°	3066.5	3049.3	2998.5	2933.7	2865.6	2792.2	2740.3	2692.8	2658.2	2625.8
3183.2	7.5°	3152.9	3122.7	3035.2	2921.8	2800.8	2678.8	2588.0	2518.9	2472.5	2442.2
3295.5	10°	3253.4	3207.0	3073.0	2903.4	2716.6	2541.6	2434.6	2375.2	2346.1	2329.9
3424.1	12.5°	3369.0	3303.1	3111.9	2861.3	2588.0	2388.2	2314.8	2297.5	2298.6	2299.6
3586.1	15°	3511.6	3419.7	3143.2	2769.5	2420.6	2270.5	2257.5	2285.6	2314.8	2328.8
3769.7	17.5°	3672.5	3542.9	3148.6	2618.3	2256.4	2194.9	2235.9	2296.4	2340.7	2360.1
3974.9	20°	3845.3	3668.2	3109.7	2404.4	2121.4	2133.3	2206.7	2284.5	2333.1	2358.0
4209.3	22.5°	4043.0	3802.1	3016.8	2179.7	2011.2	2066.3	2152.7	2228.3	2279.1	2304.0
4484.8	25°	4268.7	3952.3	2871.0	1990.7	1916.2	1990.7	2077.1	2139.8	2180.8	2203.5
4792.6	27.5°	4519.3	4108.9	2676.6	1840.6	1833.0	1912.9	1984.2	2032.8	2054.4	2071.7
5119.9	30°	4771.0	4251.5	2441.1	1727.2	1760.6	1836.2	1887.0	1908.6	1915.1	1918.3
5485.0	32.5°	5043.2	4374.6	2193.8	1633.2	1691.5	1761.7	1792.0	1801.7	1771.4	1750.9
5927.8	35°	5372.6	4506.4	1951.8	1558.7	1623.5	1683.9	1693.7	1685.0	1649.4	1607.3
6483.0	37.5°	5779.9	4670.6	1758.5	1505.7	1559.7	1599.7	1587.8	1585.7	1588.9	1539.2
7150.6	40°	6278.9	4884.4	1617.0	1464.7	1507.9	1516.5	1483.0	1501.4	1517.6	1442.0
7882.9	42.5°	6833.0	5142.6	1527.3	1436.6	1464.7	1444.2	1392.3	1412.8	1410.7	1311.3
8618.5	45°	7397.9	5423.4	1496.0	1416.1	1424.7	1383.7	1326.4	1331.8	1286.5	1196.8
9323.8	47.5°	7959.6	5724.8	1515.4	1398.8	1375.0	1328.6	1284.3	1260.5	1193.6	1126.6
10000.0	50°	8510.5	6041.3	1586.7	1364.2	1307.0	1280.0	1247.6	1205.4	1134.2	1076.9
10639.4	52.5°	9021.4	6359.9	1666.7	1307.0	1221.6	1237.8	1217.3	1168.7	1098.5	1040.2
11244.3	55°	9505.3	6678.5	1698.0	1228.1	1141.7	1201.1	1189.2	1099.6	1015.3	967.8
11877.3	57.5°	10032.4	7062.0	1663.4	1127.7	1076.9	1159.0	1113.6	1014.3	965.7	930.0
12701.4	60°	10762.6	7663.6	1588.9	1003.5	1015.3	1096.3	1018.6	977.5	924.6	884.6
13937.1	62.5°	11975.6	8785.9	1469.0	880.3	943.0	1003.5	973.2	932.2	878.2	839.3
16049.9	65°	13768.6	10345.6	1243.2	784.2	862.0	912.7	924.6	883.6	827.4	786.3
17901.3	67.5°	15280.8	11324.3	940.8	704.3	778.8	839.3	872.8	832.8	773.4	733.4
18334.4	70°	15197.7	10613.5	718.3	625.4	705.3	766.9	810.1	778.8	715.1	677.3
16653.7	72.5°	13498.6	8878.8	581.1	545.5	630.8	691.3	743.1	719.4	654.6	617.8
12200.3	75°	9916.8	6302.7	464.5	464.5	537.9	612.4	669.7	654.6	595.2	569.2
5122.1	77.5°	4180.2	2644.2	364.0	385.6	447.2	526.0	597.3	602.7	550.9	583.3
1354.5	80°	1111.5	729.1	277.6	303.5	351.0	434.2	519.6	517.4	461.2	431.0
503.3	82.5°	423.4	287.3	197.7	213.9	253.8	332.7	411.5	424.5	368.3	318.6
197.7	85°	163.1	123.1	122.1	128.5	148.0	220.3	311.1	321.9	277.6	235.5
55.1	87.5°	42.1	36.7	45.4	43.2	68.0	117.7	178.2	184.7	169.6	98.3
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°
2984.4
2847.3
2638.8
2448.7
2334.2
2301.8
2327.7
2364.4
2364.4
2310.4
2210.0
2078.2
1925.9
1757.4
1609.4
1542.4
1444.2
1310.2
1200.0
1126.6
1072.6
1041.3
963.5
926.8
882.5
839.3
788.5
734.5
680.5
617.8
561.7
529.3
400.7
318.6
243.0
140.4
0.0

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