

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: P848146

Luminaire Tested: **GLAN-SB4C-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848146
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-SB4C-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23712 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

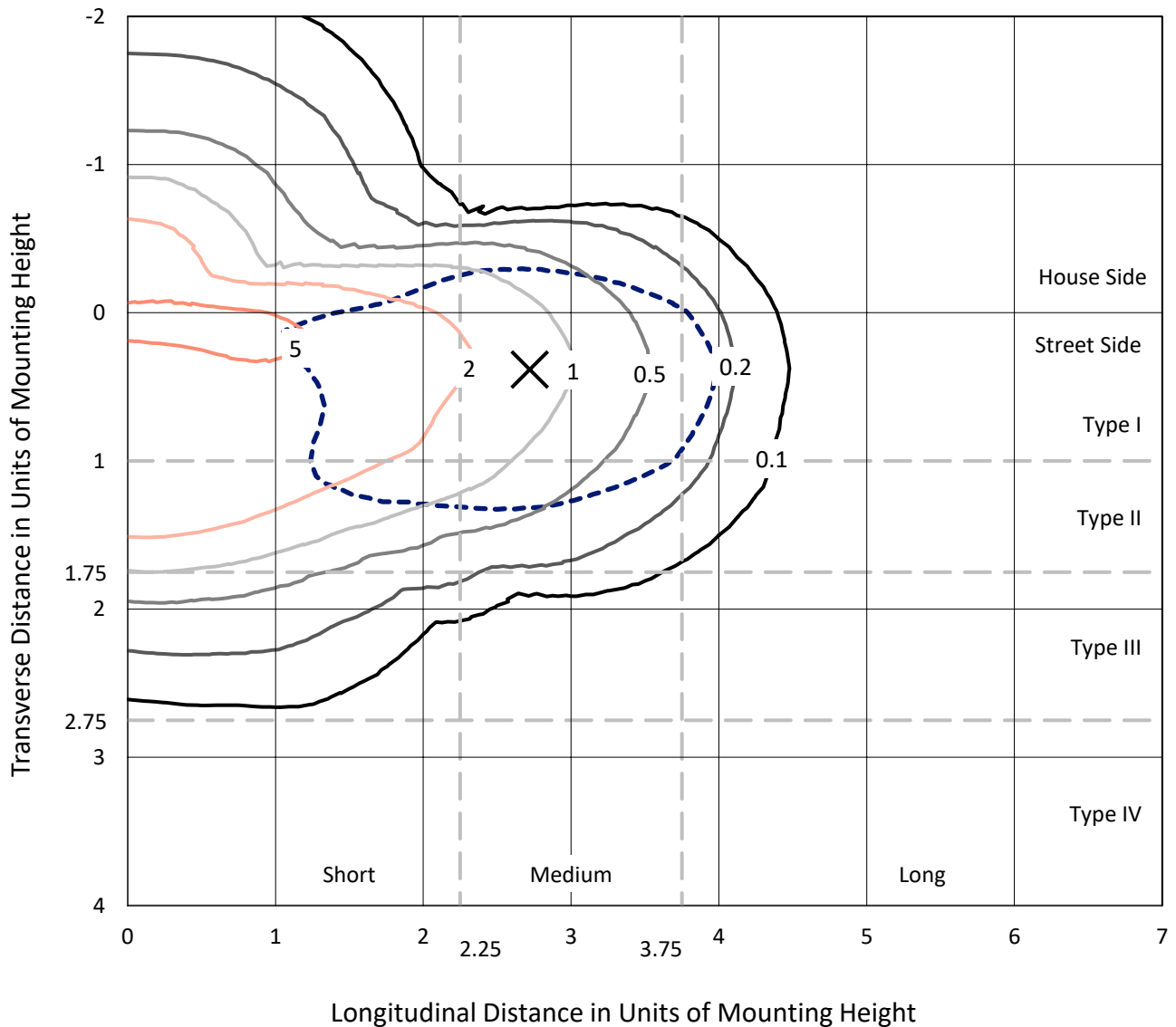
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

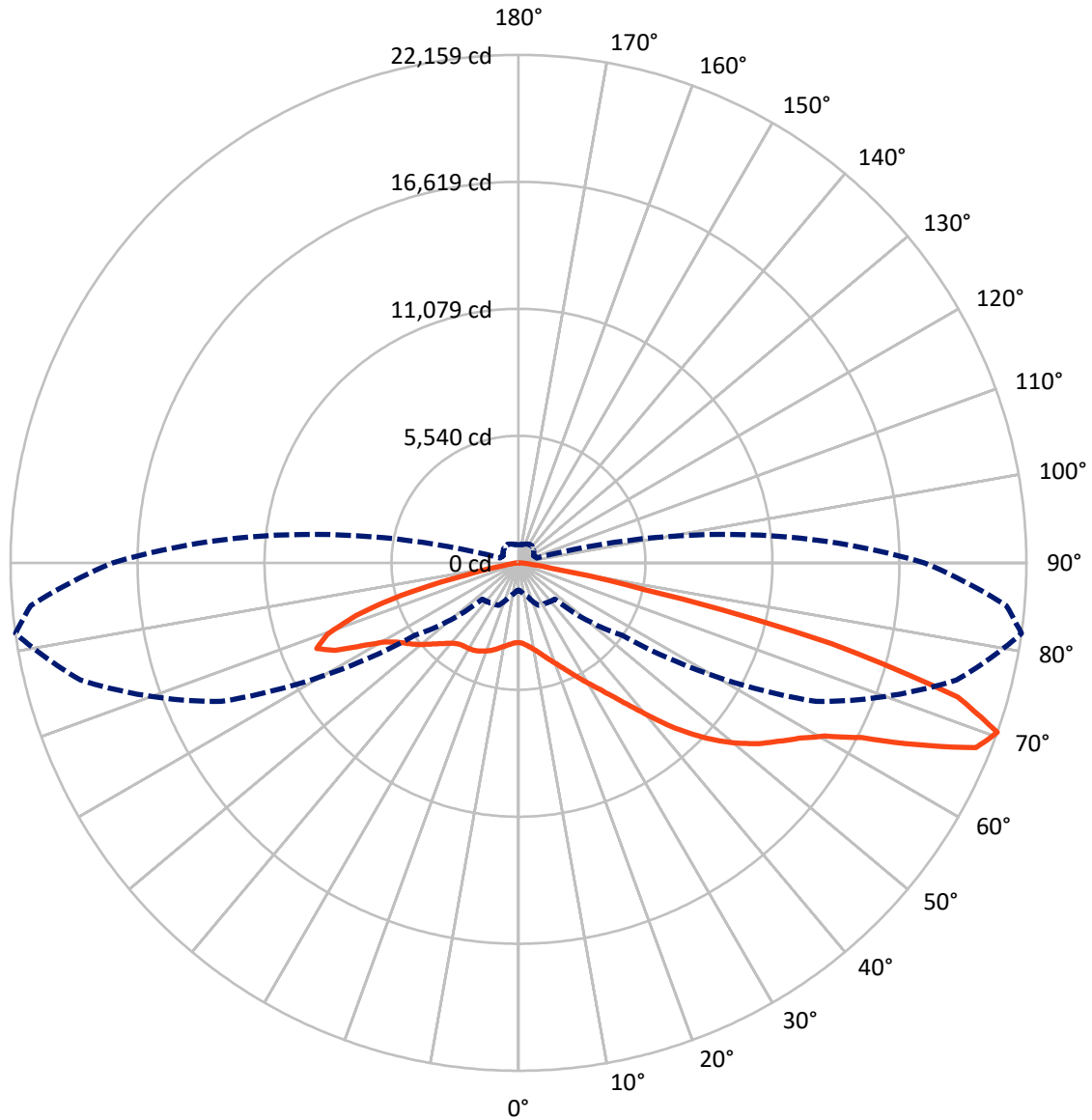
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	5845.6	0.0	5845.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	17866.4	0.0	17866.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	23712.0	0.0	23712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.2	1.4
10°-20°	943.1	4.0
20°-30°	1577.6	6.7
30°-40°	2464.7	10.4
40°-50°	3925.3	16.6
50°-60°	5462.5	23.0
60°-70°	5714.0	24.1
70°-80°	2986.5	12.6
80°-90°	310.1	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°	23712.0	100.0
0°-180°	23712.0	100.0

Coefficient of Utilization



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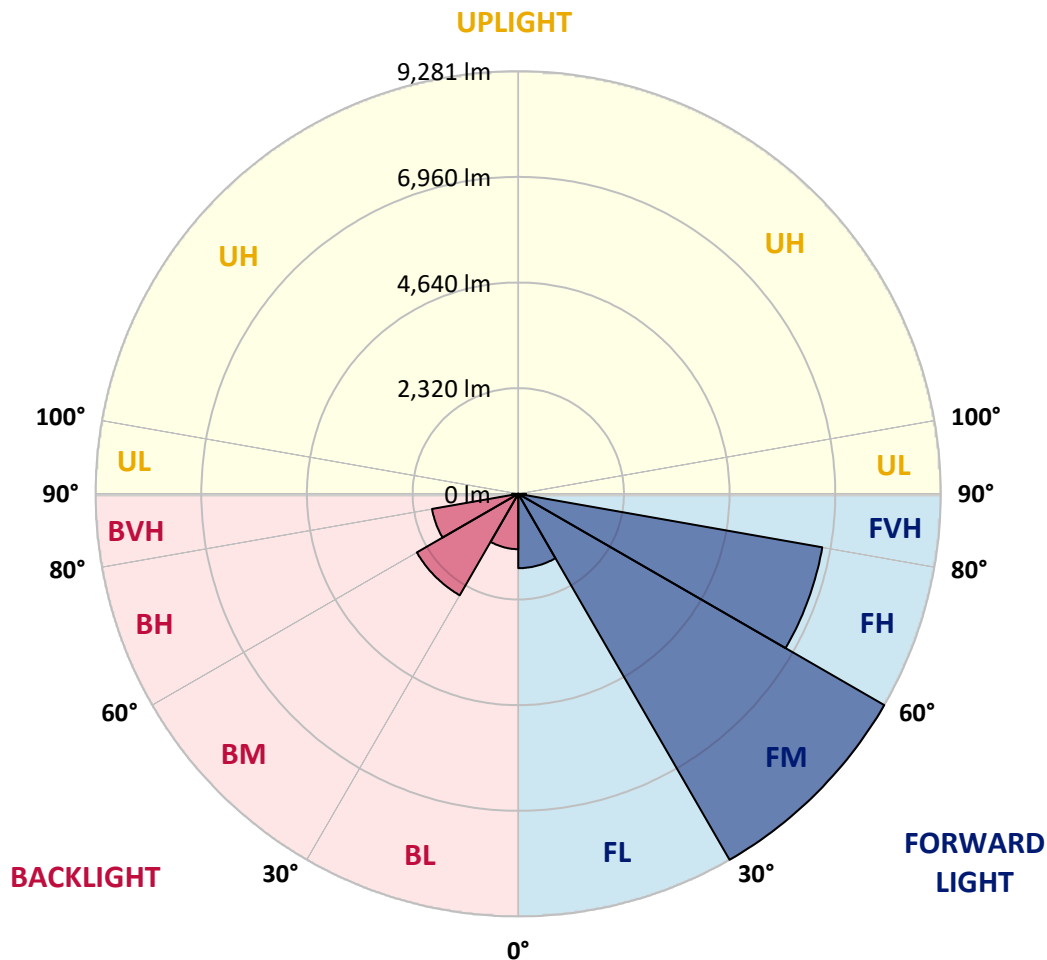
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1632.8	6.9			
FM (30°-60°)	9280.6	39.1			
FH (60°-80°)	6779.3	28.6			G3/7500
FVH (80°-90°)	173.6	0.7			G2/225
BL (0°-30°)	1216.1	5.1	B3/2500		
BM (30°-60°)	2571.8	10.8	B3/5000		
BH (60°-80°)	1921.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	136.5	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



REPORT NUMBER: P848146
 CATALOG NUMBER: GLAN-SB4C-827-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5
2.5°	3559.5	3579.7	3573.4	3567.1	3567.1	3558.3	3557.0	3544.4	3534.4	3518.0
5°	3604.8	3626.2	3623.7	3628.7	3645.1	3648.9	3652.6	3645.1	3624.9	3604.8
7.5°	3564.6	3588.5	3596.0	3626.2	3676.5	3721.8	3755.8	3769.6	3750.8	3721.8
10°	3428.7	3455.1	3481.5	3553.2	3642.6	3749.5	3840.1	3894.2	3890.4	3862.8
12.5°	3153.1	3180.8	3237.4	3377.1	3540.6	3729.4	3898.0	4011.2	4050.2	4030.1
15°	2932.9	2956.8	2999.6	3143.0	3355.7	3642.6	3919.4	4139.6	4239.0	4227.6
17.5°	2926.6	2936.7	2963.1	3031.1	3194.6	3506.7	3896.7	4265.4	4455.4	4454.1
20°	3037.4	3041.1	3056.2	3070.1	3163.2	3403.5	3838.8	4369.8	4698.2	4698.2
22.5°	3190.9	3188.3	3203.4	3190.9	3236.2	3394.7	3802.4	4461.7	4968.7	4988.9
25°	3421.1	3408.5	3404.8	3375.8	3384.6	3476.5	3842.6	4566.1	5289.6	5331.1
27.5°	3728.1	3708.0	3694.1	3627.5	3604.8	3645.1	3965.9	4691.9	5646.9	5718.6
30°	4128.2	4091.7	4071.6	3955.9	3874.1	3880.4	4152.1	4859.3	6020.6	6136.4
32.5°	4674.3	4617.7	4563.6	4373.6	4223.9	4174.8	4392.5	5090.8	6425.8	6610.7
35°	5285.8	5240.5	5182.6	4889.5	4659.2	4546.0	4717.1	5414.1	6900.1	7193.3
37.5°	5874.7	5835.6	5863.3	5468.2	5171.3	5006.5	5142.4	5848.2	7485.2	7918.0
40°	6483.6	6453.4	6457.2	6079.7	5733.7	5548.8	5658.2	6393.0	8155.8	8779.9
42.5°	7145.5	7122.8	7047.3	6712.6	6323.8	6151.5	6252.1	7022.2	8875.5	9761.3
45°	7886.6	7872.7	7802.3	7418.5	6973.1	6779.3	6915.2	7716.7	9599.0	10684.8
47.5°	8527.0	8538.3	8529.5	8206.1	7744.4	7460.0	7622.3	8441.4	10272.1	11553.0
50°	8835.3	8894.4	8981.2	8880.6	8593.7	8304.3	8335.7	9141.0	10913.8	12367.1
52.5°	8674.2	8786.2	9022.7	9183.8	9294.5	9234.1	9149.8	9835.5	11517.8	13101.9
55°	8074.0	8231.3	8623.9	9012.7	9577.6	10016.7	10127.5	10605.6	12106.6	13748.6
57.5°	6980.6	7236.1	7588.4	8374.7	9326.0	10395.5	11267.4	11673.8	12730.7	14439.4
60°	5105.9	5448.1	5886.0	7056.1	8445.2	10192.9	12237.5	13314.5	13617.8	15334.0
62.5°	3267.6	3479.0	3881.6	4983.8	6580.5	9154.8	12534.4	15365.4	15121.3	16801.1
65°	2237.1	2373.0	2741.7	3360.7	4254.1	6814.5	11739.2	16903.0	17509.5	19126.3
67.5°	1625.6	1728.8	2043.4	2585.7	2771.9	4032.6	9109.5	16832.5	19830.9	21521.9
70°	1185.2	1258.2	1522.5	2043.4	2132.7	2243.4	5518.6	14308.5	19780.6	22158.6
72.5°	878.2	928.6	1106.0	1585.4	1726.3	1514.9	2731.6	10399.2	16997.4	20042.3
75°	635.4	673.2	804.0	1212.9	1381.5	1153.8	1362.7	6077.2	11856.3	14098.4
77.5°	485.7	514.6	600.2	888.3	1106.0	865.7	845.5	2795.8	5621.7	5649.4
80°	390.0	408.9	455.5	625.3	848.0	648.0	551.1	1128.6	1776.6	1503.6
82.5°	286.9	318.3	385.0	439.1	606.5	446.7	335.9	570.0	675.7	581.3
85°	163.6	185.0	232.8	314.6	387.5	273.0	192.5	252.9	314.6	257.9
87.5°	57.9	75.5	81.8	123.3	168.6	113.2	74.2	73.0	103.2	76.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848146
 CATALOG NUMBER: GLAN-SB4C-827-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3476.5	0°	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5	3476.5
3514.2	2.5°	3501.6	3495.3	3470.2	3436.2	3401.0	3367.0	3355.7	3331.8	3315.4	3306.6
3596.0	5°	3572.1	3552.0	3492.8	3417.3	3338.1	3252.5	3192.1	3136.8	3096.5	3058.7
3708.0	7.5°	3672.8	3637.5	3535.6	3403.5	3262.6	3120.4	3014.7	2934.2	2880.1	2844.8
3838.8	10°	3789.8	3735.7	3579.7	3382.1	3164.4	2960.6	2836.0	2766.8	2732.9	2714.0
3988.6	12.5°	3924.4	3847.7	3624.9	3333.0	3014.7	2781.9	2696.4	2676.2	2677.5	2678.8
4177.3	15°	4090.5	3983.5	3661.4	3226.1	2819.7	2644.8	2629.7	2662.4	2696.4	2712.7
4391.2	17.5°	4278.0	4127.0	3667.7	3049.9	2628.4	2556.7	2604.5	2675.0	2726.6	2749.2
4630.3	20°	4479.3	4272.9	3622.4	2800.8	2471.2	2485.0	2570.6	2661.1	2717.8	2746.7
4903.3	22.5°	4709.5	4429.0	3514.2	2539.1	2342.8	2407.0	2507.6	2595.7	2654.9	2683.8
5224.2	25°	4972.5	4603.8	3344.4	2318.9	2232.1	2318.9	2419.6	2492.5	2540.4	2566.8
5582.7	27.5°	5264.4	4786.3	3117.9	2144.0	2135.2	2228.3	2311.4	2368.0	2393.1	2413.3
5964.0	30°	5557.6	4952.4	2843.6	2011.9	2050.9	2139.0	2198.1	2223.3	2230.8	2234.6
6389.3	32.5°	5874.7	5095.8	2555.5	1902.4	1970.4	2052.2	2087.4	2098.7	2063.5	2039.6
6905.1	35°	6258.4	5249.3	2273.6	1815.6	1891.1	1961.6	1972.9	1962.8	1921.3	1872.2
7551.9	37.5°	6732.8	5440.6	2048.4	1754.0	1816.9	1863.4	1849.6	1847.1	1850.8	1793.0
8329.4	40°	7314.1	5689.7	1883.6	1706.2	1756.5	1766.5	1727.5	1748.9	1767.8	1679.7
9182.5	42.5°	7959.5	5990.4	1779.1	1673.4	1706.2	1682.2	1621.9	1645.8	1643.2	1527.5
10039.4	45°	8617.6	6317.5	1742.6	1649.5	1659.6	1611.8	1545.1	1551.4	1498.5	1394.1
10861.0	47.5°	9271.9	6668.6	1765.3	1629.4	1601.7	1547.6	1496.0	1468.3	1390.3	1312.3
11648.6	50°	9913.6	7037.3	1848.3	1589.1	1522.5	1491.0	1453.2	1404.2	1321.1	1254.5
12393.5	52.5°	10508.7	7408.4	1941.4	1522.5	1423.1	1441.9	1418.0	1361.4	1279.6	1211.7
13098.1	55°	11072.4	7779.6	1977.9	1430.6	1329.9	1399.1	1385.3	1280.9	1182.7	1127.4
13835.4	57.5°	11686.4	8226.3	1937.7	1313.6	1254.5	1350.1	1297.2	1181.5	1124.9	1083.3
14795.5	60°	12537.0	8927.1	1850.8	1168.9	1182.7	1277.1	1186.5	1138.7	1077.0	1030.5
16234.9	62.5°	13949.9	10234.4	1711.2	1025.5	1098.4	1168.9	1133.7	1085.8	1022.9	977.6
18696.0	65°	16038.6	12051.3	1448.2	913.5	1004.1	1063.2	1077.0	1029.2	963.8	916.0
20852.6	67.5°	17800.1	13191.2	1095.9	820.4	907.2	977.6	1016.6	970.1	900.9	854.3
21357.1	70°	17703.2	12363.3	836.7	728.5	821.6	893.3	943.7	907.2	832.9	788.9
19399.3	72.5°	15724.0	10342.6	676.9	635.4	734.8	805.3	865.7	838.0	762.5	719.7
14211.7	75°	11551.8	7341.7	541.0	541.0	626.6	713.4	780.1	762.5	693.3	663.1
5966.5	77.5°	4869.3	3080.1	424.0	449.2	520.9	612.8	695.8	702.1	641.7	679.4
1577.8	80°	1294.7	849.3	323.4	353.6	408.9	505.8	605.2	602.7	537.3	502.0
586.3	82.5°	493.2	334.7	230.3	249.1	295.7	387.5	479.4	494.5	429.1	371.2
230.3	85°	190.0	143.4	142.2	149.7	172.4	256.7	362.4	375.0	323.4	274.3
64.2	87.5°	49.1	42.8	52.8	50.3	79.3	137.1	207.6	215.2	197.5	114.5
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°
3476.5
3316.7
3073.8
2852.4
2719.0
2681.3
2711.5
2754.3
2754.3
2691.3
2574.3
2420.8
2243.4
2047.1
1874.8
1796.7
1682.2
1526.2
1397.9
1312.3
1249.4
1212.9
1122.3
1079.6
1028.0
977.6
918.5
855.6
792.7
719.7
654.3
616.5
466.8
371.2
283.1
163.6
0.0

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