

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: P848276

Luminaire Tested: **GLAN-SB4D-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848276
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-SB4D-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39654 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

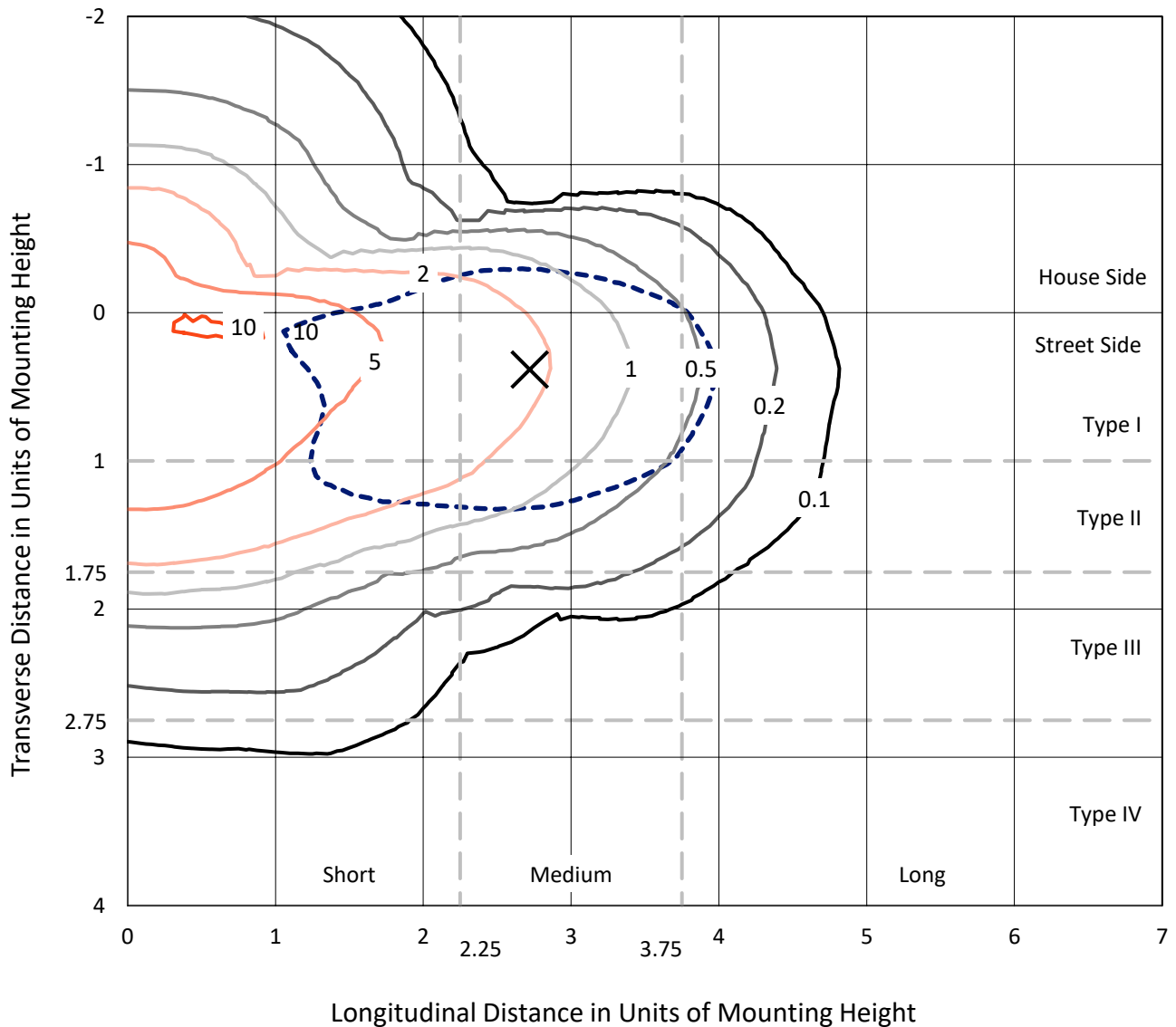
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

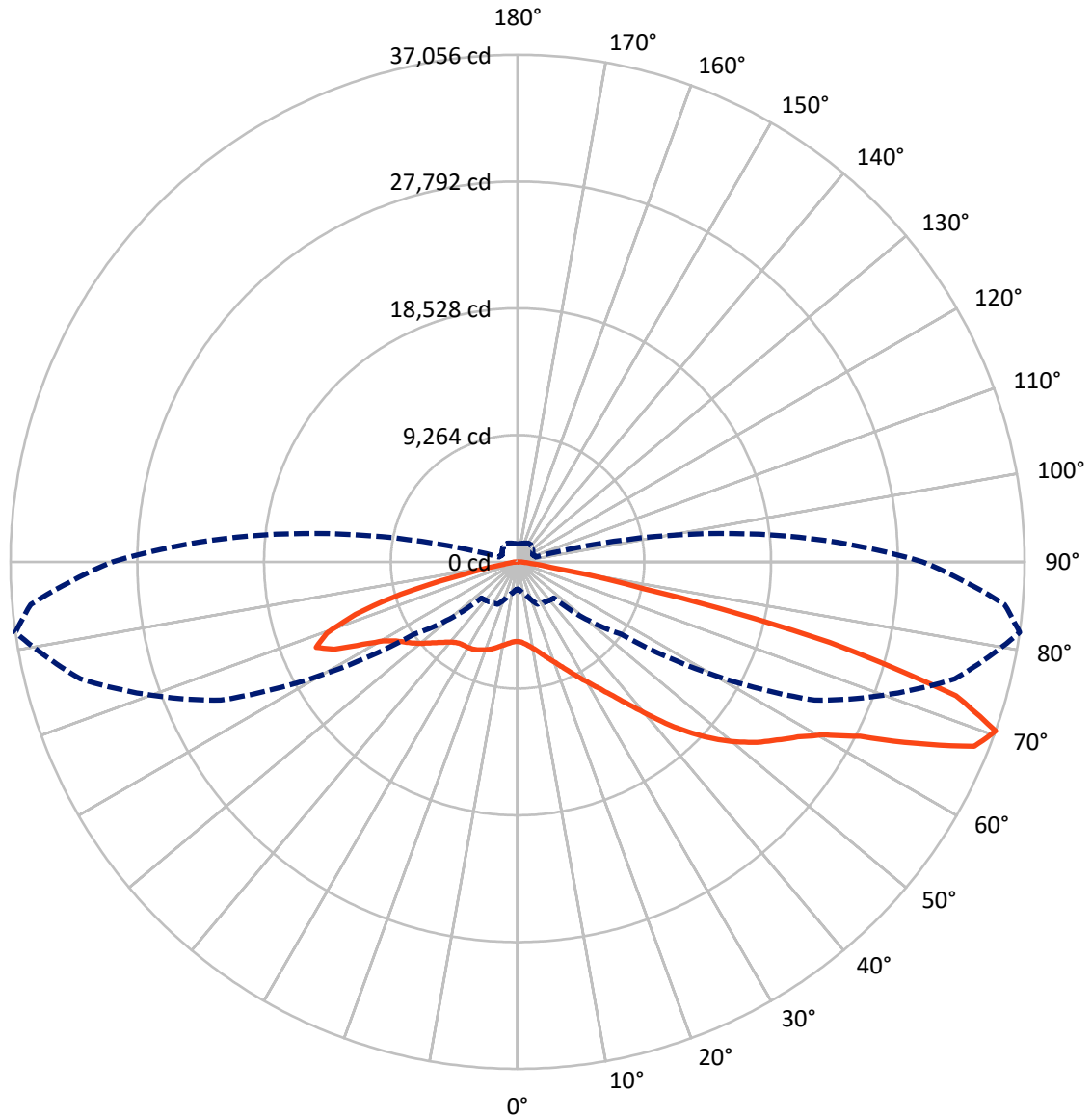
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	9775.7	0.0	9775.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	29878.3	0.0	29878.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	39654.0	0.0	39654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.9	1.4
10°-20°	1577.1	4.0
20°-30°	2638.3	6.7
30°-40°	4121.7	10.4
40°-50°	6564.3	16.6
50°-60°	9135.1	23.0
60°-70°	9555.7	24.1
70°-80°	4994.3	12.6
80°-90°	518.6	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°	39654.0	100.0
0°-180°	39654.0	100.0

Coefficient of Utilization

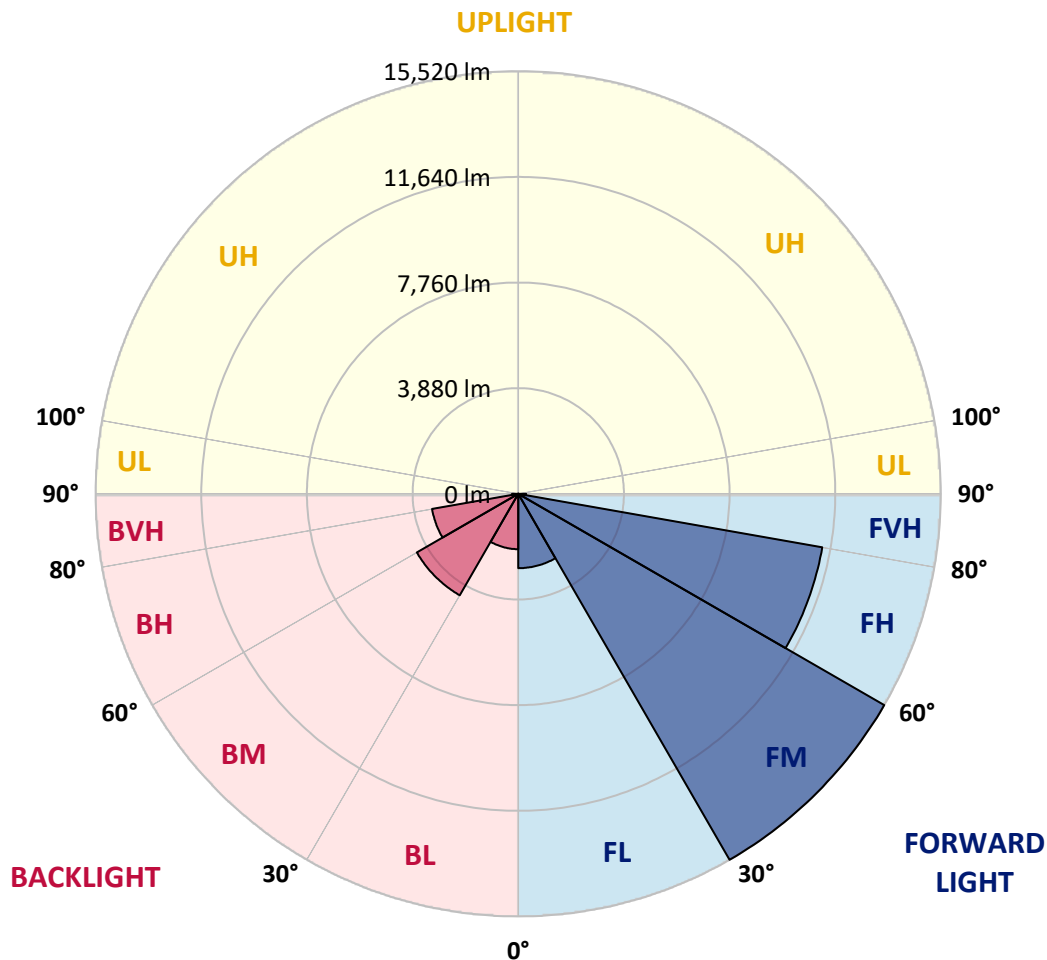


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2730.6	6.9			
FM (30°-60°)	15520.2	39.1			
FH (60°-80°)	11337.2	28.6			G4/12000
FVH (80°-90°)	290.3	0.7			G3/500
BL (0°-30°)	2033.7	5.1	B3/2500		
BM (30°-60°)	4300.9	10.8	B3/5000		
BH (60°-80°)	3212.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	228.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8
2.5°	5952.6	5986.3	5975.8	5965.3	5965.3	5950.5	5948.4	5927.4	5910.6	5883.2
5°	6028.4	6064.2	6060.0	6068.4	6095.7	6102.0	6108.4	6095.7	6062.1	6028.4
7.5°	5961.1	6001.0	6013.7	6064.2	6148.3	6224.1	6280.9	6304.0	6272.5	6224.1
10°	5733.8	5778.0	5822.2	5942.1	6091.5	6270.4	6421.9	6512.4	6506.0	6459.7
12.5°	5273.0	5319.3	5414.0	5647.5	5921.1	6236.7	6518.7	6708.0	6773.3	6739.6
15°	4904.8	4944.8	5016.3	5256.2	5611.8	6091.5	6554.4	6922.7	7088.9	7070.0
17.5°	4894.3	4911.1	4955.3	5068.9	5342.4	5864.3	6516.6	7133.1	7450.8	7448.7
20°	5079.4	5085.7	5111.0	5134.1	5289.8	5691.7	6419.8	7307.7	7856.9	7856.9
22.5°	5336.1	5331.9	5357.2	5336.1	5411.9	5677.0	6358.7	7461.3	8309.3	8343.0
25°	5721.2	5700.1	5693.8	5645.4	5660.2	5813.8	6426.1	7636.0	8845.9	8915.3
27.5°	6234.6	6200.9	6177.8	6066.3	6028.4	6095.7	6632.3	7846.4	9443.4	9563.4
30°	6903.7	6842.7	6809.0	6615.5	6478.7	6489.2	6943.7	8126.2	10068.4	10261.9
32.5°	7816.9	7722.2	7631.8	7314.0	7063.6	6981.6	7345.6	8513.4	10745.9	11055.2
35°	8839.5	8763.8	8667.0	8176.7	7791.7	7602.3	7888.5	9054.2	11539.2	12029.4
37.5°	9824.3	9759.1	9805.3	9144.6	8648.1	8372.4	8599.7	9780.1	12517.6	13241.4
40°	10842.7	10792.2	10798.5	10167.3	9588.6	9279.3	9462.4	10691.2	13639.1	14682.8
42.5°	11949.5	11911.6	11785.4	11225.7	10575.5	10287.2	10455.5	11743.3	14842.7	16324.0
45°	13188.8	13165.7	13047.8	12406.1	11661.2	11337.2	11564.4	12904.8	16052.6	17868.5
47.5°	14259.8	14278.8	14264.0	13723.3	12951.1	12475.5	12747.0	14116.8	17178.3	19320.3
50°	14775.4	14874.3	15019.4	14851.1	14371.4	13887.4	13940.0	15286.7	18251.4	20681.7
52.5°	14506.0	14693.3	15088.9	15358.2	15543.4	15442.4	15301.4	16448.2	19261.4	21910.5
55°	13502.3	13765.4	14421.9	15072.0	16016.8	16751.2	16936.3	17735.9	20246.2	22992.1
57.5°	11673.8	12101.0	12690.1	14005.2	15596.0	17384.5	18842.7	19522.3	21289.8	24147.2
60°	8538.6	9111.0	9843.2	11800.1	14123.1	17045.7	20465.0	22266.1	22773.2	25643.3
62.5°	5464.5	5818.0	6491.3	8334.5	11004.7	15309.8	20961.6	25695.9	25287.7	28096.7
65°	3741.2	3968.4	4584.9	5620.2	7114.1	11396.1	19631.7	28267.2	29281.4	31985.2
67.5°	2718.6	2891.1	3417.1	4324.0	4635.4	6743.8	15234.1	28149.3	33163.5	35991.5
70°	1982.1	2104.2	2546.0	3417.1	3566.5	3751.7	9228.8	23928.4	33079.4	37056.2
72.5°	1468.7	1552.9	1849.5	2651.2	2886.9	2533.4	4568.1	17390.8	28425.0	33517.0
75°	1062.6	1125.7	1344.6	2028.4	2310.4	1929.5	2278.8	10163.1	19827.4	23577.0
77.5°	812.2	860.6	1003.7	1485.5	1849.5	1447.7	1414.0	4675.4	9401.4	9447.6
80°	652.3	683.8	761.7	1045.8	1418.2	1083.6	921.6	1887.4	2971.1	2514.5
82.5°	479.7	532.4	643.9	734.3	1014.2	747.0	561.8	953.2	1129.9	972.1
85°	273.5	309.3	389.3	526.0	648.1	456.6	321.9	422.9	526.0	431.4
87.5°	96.8	126.2	136.8	206.2	282.0	189.4	124.1	122.0	172.5	128.4
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°
5813.8	0°	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8	5813.8
5876.9	2.5°	5855.9	5845.3	5803.3	5746.4	5687.5	5630.7	5611.8	5571.8	5544.4	5529.7
6013.7	5°	5973.7	5940.0	5841.1	5714.9	5582.3	5439.2	5338.2	5245.7	5178.3	5115.2
6200.9	7.5°	6142.0	6083.1	5912.7	5691.7	5456.1	5218.3	5041.5	4906.9	4816.4	4757.5
6419.8	10°	6337.7	6247.2	5986.3	5656.0	5291.9	4951.1	4742.8	4627.0	4570.2	4538.7
6670.2	12.5°	6562.9	6434.5	6062.1	5573.9	5041.5	4652.3	4509.2	4475.5	4477.6	4479.7
6985.8	15°	6840.6	6661.7	6123.1	5395.0	4715.4	4422.9	4397.7	4452.4	4509.2	4536.6
7343.5	17.5°	7154.1	6901.6	6133.6	5100.5	4395.6	4275.6	4355.6	4473.4	4559.7	4597.6
7743.3	20°	7490.8	7145.7	6057.9	4683.8	4132.6	4155.7	4298.8	4450.3	4545.0	4593.4
8199.9	22.5°	7875.8	7406.6	5876.9	4246.2	3917.9	4025.2	4193.6	4340.9	4439.8	4488.2
8736.4	25°	8315.6	7699.1	5592.8	3878.0	3732.8	3878.0	4046.3	4168.3	4248.3	4292.5
9336.1	27.5°	8803.8	8004.2	5214.1	3585.5	3570.7	3726.5	3865.3	3960.0	4002.1	4035.8
9973.7	30°	9294.0	8281.9	4755.4	3364.5	3429.8	3577.1	3676.0	3718.0	3730.7	3737.0
10684.9	32.5°	9824.3	8521.8	4273.5	3181.5	3295.1	3431.9	3490.8	3509.7	3450.8	3410.8
11547.6	35°	10466.1	8778.5	3802.2	3036.3	3162.5	3280.4	3299.3	3282.5	3213.0	3131.0
12629.1	37.5°	11259.3	9098.4	3425.6	2933.2	3038.4	3116.2	3093.1	3088.9	3095.2	2998.4
13929.5	40°	12231.4	9515.0	3149.9	2853.2	2937.4	2954.2	2889.0	2924.8	2956.3	2809.0
15356.1	42.5°	13310.9	10017.9	2975.3	2798.5	2853.2	2813.3	2712.3	2752.2	2748.0	2554.4
16789.0	45°	14411.3	10564.9	2914.3	2758.5	2775.4	2695.4	2583.9	2594.4	2506.0	2331.4
18163.0	47.5°	15505.5	11152.0	2952.1	2724.9	2678.6	2588.1	2501.8	2455.5	2325.1	2194.6
19480.2	50°	16578.6	11768.5	3091.0	2657.5	2546.0	2493.4	2430.3	2348.2	2209.4	2097.8
20725.9	52.5°	17573.9	12389.2	3246.7	2546.0	2379.8	2411.4	2371.4	2276.7	2139.9	2026.3
21904.2	55°	18516.5	13010.0	3307.7	2392.4	2224.1	2339.8	2316.7	2142.0	1977.9	1885.3
23137.3	57.5°	19543.4	13756.9	3240.4	2196.7	2097.8	2257.8	2169.4	1975.8	1881.1	1811.7
24742.7	60°	20965.8	14929.0	3095.2	1954.8	1977.9	2135.7	1984.2	1904.3	1801.2	1723.3
27149.9	62.5°	23328.7	17115.2	2861.6	1714.9	1836.9	1954.8	1895.8	1815.9	1710.7	1634.9
31265.6	65°	26821.6	20153.6	2421.9	1527.6	1679.1	1778.0	1801.2	1721.2	1611.8	1531.8
34872.1	67.5°	29767.4	22059.9	1832.7	1371.9	1517.1	1634.9	1700.2	1622.3	1506.6	1428.7
35715.9	70°	29605.4	20675.4	1399.3	1218.3	1374.0	1493.9	1578.1	1517.1	1392.9	1319.3
32441.8	72.5°	26295.6	17296.1	1132.0	1062.6	1228.8	1346.7	1447.7	1401.4	1275.1	1203.6
23766.4	75°	19318.2	12277.7	904.8	904.8	1047.9	1193.1	1304.6	1275.1	1159.4	1108.9
9977.9	77.5°	8143.1	5151.0	709.1	751.2	871.1	1024.7	1163.6	1174.1	1073.1	1136.2
2638.6	80°	2165.2	1420.3	540.8	591.3	683.8	845.9	1012.1	1007.9	898.5	839.6
980.5	82.5°	824.8	559.7	385.1	416.6	494.5	648.1	801.7	826.9	717.5	620.7
385.1	85°	317.7	239.9	237.8	250.4	288.3	429.2	606.0	627.0	540.8	458.7
107.3	87.5°	82.1	71.5	88.4	84.2	132.6	229.4	347.2	359.8	330.4	191.5
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°
5813.8
5546.5
5140.4
4770.1
4547.1
4483.9
4534.4
4606.0
4606.0
4500.8
4305.1
4048.4
3751.7
3423.5
3135.2
3004.7
2813.3
2552.3
2337.7
2194.6
2089.4
2028.4
1876.9
1805.4
1719.1
1634.9
1536.0
1430.8
1325.6
1203.6
1094.2
1031.0
780.6
620.7
473.4
273.5
0.0

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