

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: P851406

Luminaire Tested: **GLAN-SB9B-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851406
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-SB9B-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45195 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

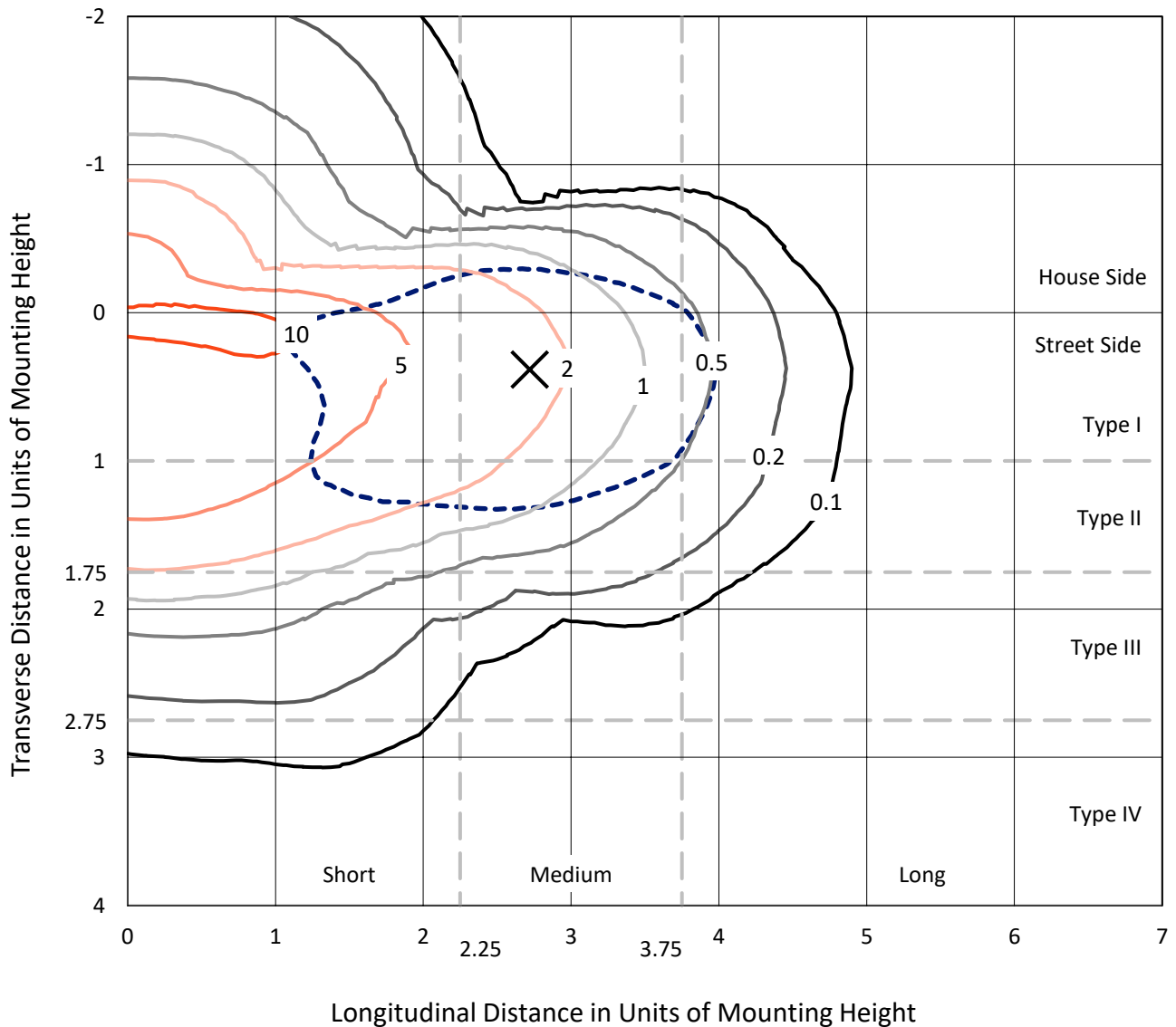
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

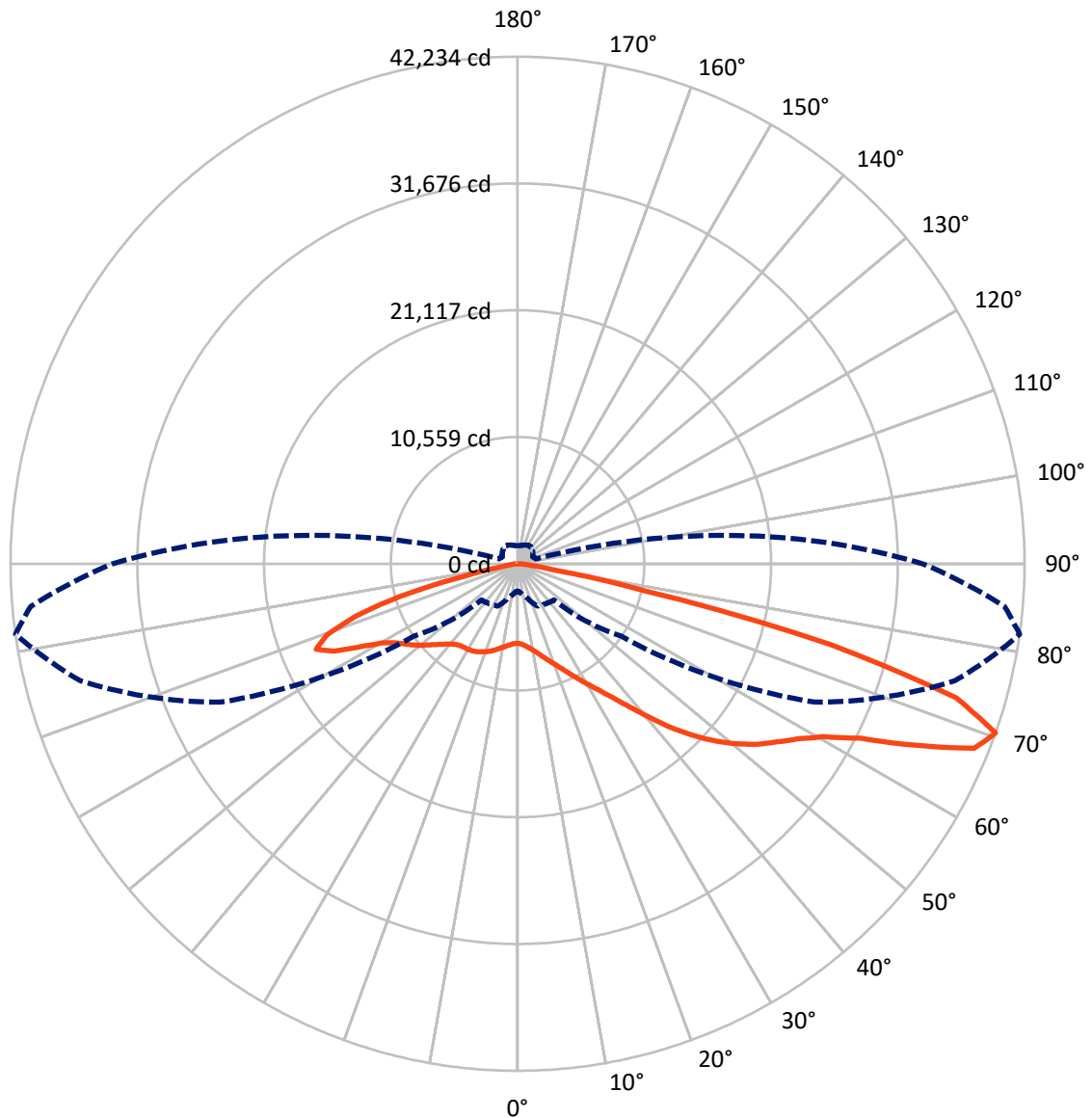
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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	11141.7	0.0	11141.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	34053.3	0.0	34053.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	45195.0	0.0	45195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.6	1.4
10°-20°	1797.5	4.0
20°-30°	3007.0	6.7
30°-40°	4697.7	10.4
40°-50°	7481.6	16.6
50°-60°	10411.5	23.0
60°-70°	10890.9	24.1
70°-80°	5692.2	12.6
80°-90°	591.1	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°	45195.0	100.0
0°-180°	45195.0	100.0

Coefficient of Utilization

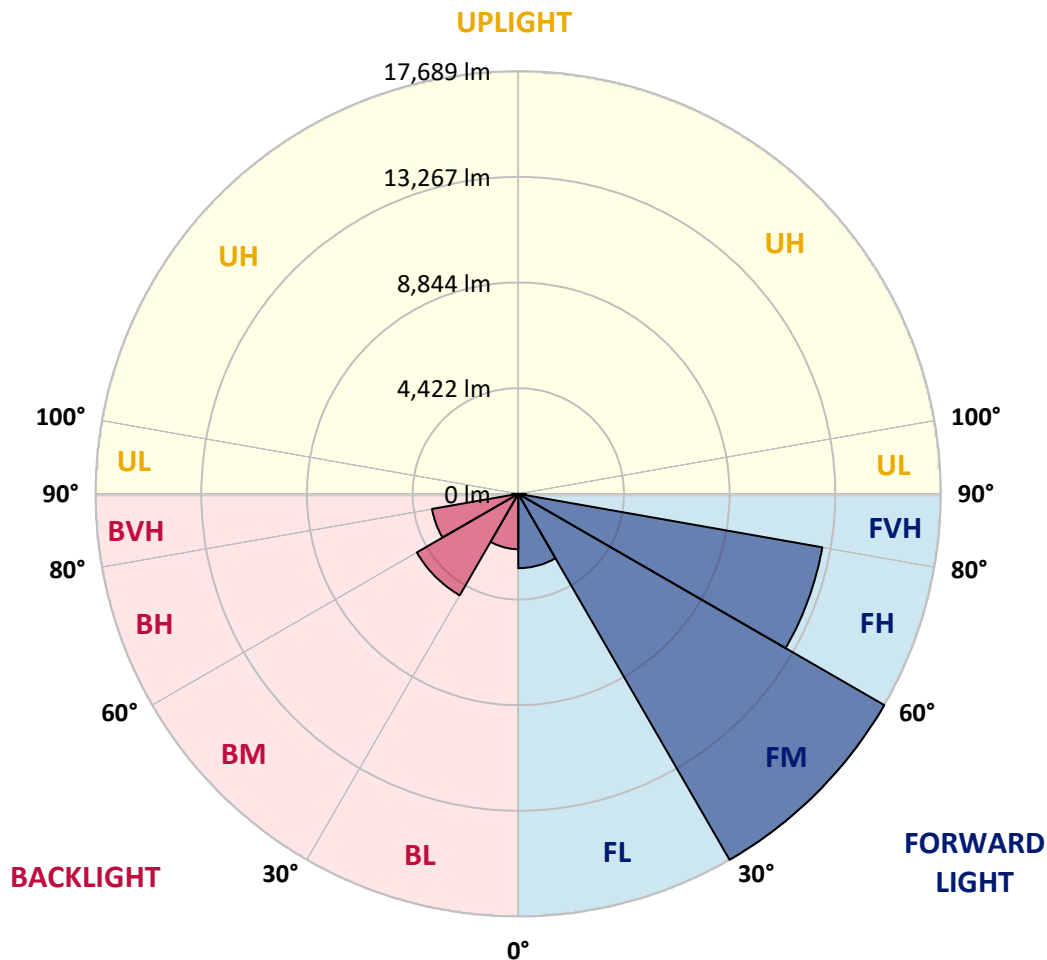


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3112.2	6.9			
FM (30°-60°)	17688.9	39.1			
FH (60°-80°)	12921.4	28.6			G5
FVH (80°-90°)	330.9	0.7			G3/500
BL (0°-30°)	2317.9	5.1	B3/2500		
BM (30°-60°)	4901.9	10.8	B3/5000		
BH (60°-80°)	3661.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	260.2	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-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2
2.5°	6784.4	6822.8	6810.8	6798.8	6798.8	6782.0	6779.6	6755.7	6736.5	6705.3
5°	6870.8	6911.5	6906.7	6916.3	6947.5	6954.7	6961.9	6947.5	6909.1	6870.8
7.5°	6794.0	6839.6	6854.0	6911.5	7007.5	7093.8	7158.5	7184.9	7149.0	7093.8
10°	6535.0	6585.4	6635.7	6772.4	6942.7	7146.6	7319.2	7422.3	7415.2	7362.4
12.5°	6009.8	6062.6	6170.5	6436.7	6748.5	7108.2	7429.5	7645.4	7719.7	7681.3
15°	5590.1	5635.7	5717.2	5990.6	6395.9	6942.7	7470.3	7890.0	8079.4	8057.9
17.5°	5578.2	5597.3	5647.7	5777.2	6089.0	6683.7	7427.1	8129.8	8491.9	8489.5
20°	5789.2	5796.4	5825.2	5851.5	6029.0	6487.1	7316.8	8328.9	8954.8	8954.8
22.5°	6081.8	6077.0	6105.7	6081.8	6168.1	6470.3	7247.3	8503.9	9470.4	9508.8
25°	6520.6	6496.7	6489.5	6434.3	6451.1	6626.2	7324.0	8703.0	10081.9	10161.1
27.5°	7105.8	7067.4	7041.0	6913.9	6870.8	6947.5	7559.0	8942.8	10763.0	10899.7
30°	7868.4	7798.9	7760.5	7539.9	7384.0	7396.0	7914.0	9261.7	11475.3	11695.9
32.5°	8909.2	8801.3	8698.2	8336.0	8050.7	7957.1	8372.0	9703.0	12247.5	12600.0
35°	10074.7	9988.4	9878.1	9319.3	8880.4	8664.6	8990.8	10319.3	13151.6	13710.4
37.5°	11197.1	11122.7	11175.5	10422.5	9856.5	9542.3	9801.3	11146.7	14266.7	15091.7
40°	12357.8	12300.2	12307.4	11588.0	10928.5	10575.9	10784.6	12185.1	15545.0	16734.5
42.5°	13619.2	13576.1	13432.2	12794.3	12053.2	11724.7	11916.5	13384.2	16916.7	18605.0
45°	15031.7	15005.4	14871.1	14139.6	13290.7	12921.4	13180.4	14708.0	18295.7	20365.3
47.5°	16252.4	16274.0	16257.2	15640.9	14760.8	14218.8	14528.1	16089.3	19578.7	22020.0
50°	16840.0	16952.7	17118.2	16926.3	16379.5	15827.9	15887.9	17422.7	20801.8	23571.6
52.5°	16533.0	16746.4	17197.3	17504.3	17715.3	17600.2	17439.5	18746.5	21952.9	24972.2
55°	15389.1	15688.8	16437.1	17178.1	18254.9	19091.9	19302.9	20214.2	23075.2	26204.8
57.5°	13305.1	13791.9	14463.4	15962.2	17775.3	19813.7	21475.6	22250.2	24264.7	27521.4
60°	9731.8	10384.1	11218.7	13449.0	16096.5	19427.6	23324.6	25377.5	25955.4	29226.5
62.5°	6228.1	6630.9	7398.4	9499.2	12542.4	17449.1	23890.6	29286.5	28821.2	32022.8
65°	4264.0	4523.0	5225.6	6405.5	8108.2	12988.5	22375.0	32217.1	33373.0	36454.6
67.5°	3098.4	3295.1	3894.6	4928.2	5283.2	7686.1	17362.8	32082.8	37797.6	41020.8
70°	2259.1	2398.2	2901.8	3894.6	4064.9	4275.9	10518.4	27272.0	37701.7	42234.2
72.5°	1673.9	1769.9	2108.0	3021.7	3290.3	2887.4	5206.4	19820.9	32396.9	38200.5
75°	1211.1	1283.0	1532.4	2311.8	2633.2	2199.1	2597.2	11583.2	22598.0	26871.5
77.5°	925.7	980.9	1143.9	1693.1	2108.0	1649.9	1611.6	5328.7	10715.0	10767.8
80°	743.4	779.4	868.1	1191.9	1616.4	1235.1	1050.4	2151.2	3386.2	2865.8
82.5°	546.8	606.7	733.8	837.0	1155.9	851.4	640.3	1086.4	1287.8	1108.0
85°	311.8	352.5	443.7	599.5	738.6	520.4	366.9	482.0	599.5	491.6
87.5°	110.3	143.9	155.9	235.0	321.4	215.8	141.5	139.1	196.7	146.3
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°
6626.2	0°	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2	6626.2
6698.1	2.5°	6674.1	6662.1	6614.2	6549.4	6482.3	6417.5	6395.9	6350.4	6319.2	6302.4
6854.0	5°	6808.4	6770.0	6657.3	6513.4	6362.4	6199.3	6084.2	5978.6	5901.9	5830.0
7067.4	7.5°	7000.3	6933.1	6738.9	6487.1	6218.5	5947.5	5746.0	5592.5	5489.4	5422.3
7316.8	10°	7223.3	7120.2	6822.8	6446.3	6031.4	5642.9	5405.5	5273.6	5208.8	5172.9
7602.2	12.5°	7479.9	7333.6	6909.1	6352.8	5746.0	5302.4	5139.3	5100.9	5103.3	5105.7
7961.9	15°	7796.5	7592.6	6978.7	6148.9	5374.3	5041.0	5012.2	5074.5	5139.3	5170.5
8369.6	17.5°	8153.8	7866.0	6990.7	5813.2	5009.8	4873.1	4964.2	5098.5	5196.8	5240.0
8825.3	20°	8537.5	8144.2	6904.3	5338.3	4710.0	4736.4	4899.5	5072.1	5180.1	5235.2
9345.7	22.5°	8976.4	8441.6	6698.1	4839.5	4465.4	4587.7	4779.6	4947.4	5060.1	5115.3
9957.2	25°	9477.6	8774.9	6374.3	4419.8	4254.4	4419.8	4611.7	4750.8	4841.9	4892.3
10640.7	27.5°	10034.0	9122.7	5942.7	4086.5	4069.7	4247.2	4405.4	4513.4	4561.3	4599.7
11367.3	30°	10592.7	9439.2	5419.9	3834.7	3909.0	4076.9	4189.6	4237.6	4252.0	4259.2
12177.9	32.5°	11197.1	9712.6	4870.7	3626.0	3755.5	3911.4	3978.6	4000.2	3933.0	3887.4
13161.2	35°	11928.5	10005.2	4333.5	3460.6	3604.5	3738.8	3760.3	3741.1	3662.0	3568.5
14393.8	37.5°	12832.6	10369.7	3904.2	3343.1	3463.0	3551.7	3525.3	3520.5	3527.7	3417.4
15875.9	40°	13940.6	10844.5	3590.1	3251.9	3347.8	3367.0	3292.7	3333.5	3369.4	3201.6
17501.9	42.5°	15170.8	11417.7	3391.0	3189.6	3251.9	3206.4	3091.2	3136.8	3132.0	2911.4
19135.0	45°	16425.1	12041.2	3321.5	3144.0	3163.2	3072.1	2945.0	2956.9	2856.2	2657.2
20701.0	47.5°	17672.1	12710.3	3364.6	3105.6	3052.9	2949.8	2851.4	2798.7	2650.0	2501.3
22202.3	50°	18895.2	13413.0	3522.9	3028.9	2901.8	2841.8	2769.9	2676.4	2518.1	2391.0
23622.0	52.5°	20029.5	14120.4	3700.4	2901.8	2712.3	2748.3	2702.7	2594.8	2438.9	2309.4
24965.0	55°	21103.9	14827.9	3769.9	2726.7	2534.9	2666.8	2640.4	2441.3	2254.3	2148.8
26370.3	57.5°	22274.2	15679.3	3693.2	2503.7	2391.0	2573.2	2472.5	2251.9	2144.0	2064.8
28200.1	60°	23895.4	17015.0	3527.7	2227.9	2254.3	2434.1	2261.5	2170.3	2052.8	1964.1
30943.6	62.5°	26588.5	19506.7	3261.5	1954.5	2093.6	2227.9	2160.8	2069.6	1949.7	1863.4
35634.5	65°	30569.5	22969.7	2760.3	1741.1	1913.7	2026.5	2052.8	1961.7	1837.0	1745.9
39744.9	67.5°	33927.0	25142.4	2088.8	1563.6	1729.1	1863.4	1937.7	1849.0	1717.1	1628.4
40706.6	70°	33742.3	23564.4	1594.8	1388.5	1566.0	1702.7	1798.6	1729.1	1587.6	1503.7
36975.0	72.5°	29970.0	19713.0	1290.2	1211.1	1400.5	1534.8	1649.9	1597.2	1453.3	1371.8
27087.4	75°	22017.6	13993.3	1031.2	1031.2	1194.3	1359.8	1486.9	1453.3	1321.4	1263.8
11372.1	77.5°	9280.9	5870.7	808.2	856.1	992.8	1167.9	1326.2	1338.2	1223.1	1295.0
3007.3	80°	2467.7	1618.8	616.3	673.9	779.4	964.1	1153.5	1148.7	1024.0	956.9
1117.5	82.5°	940.1	637.9	438.9	474.8	563.6	738.6	913.7	942.5	817.8	707.5
438.9	85°	362.1	273.4	271.0	285.4	328.5	489.2	690.7	714.7	616.3	522.8
122.3	87.5°	93.5	81.5	100.7	95.9	151.1	261.4	395.7	410.1	376.5	218.2
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°
6626.2
6321.6
5858.7
5436.7
5182.5
5110.5
5168.1
5249.6
5249.6
5129.7
4906.7
4614.1
4275.9
3901.8
3573.3
3424.6
3206.4
2909.0
2664.4
2501.3
2381.4
2311.8
2139.2
2057.6
1959.3
1863.4
1750.7
1630.8
1510.8
1371.8
1247.0
1175.1
889.7
707.5
539.6
311.8
0.0

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