

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: P851166

Luminaire Tested: **GLAN-SB9A-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851166
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-SB9A-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39727 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

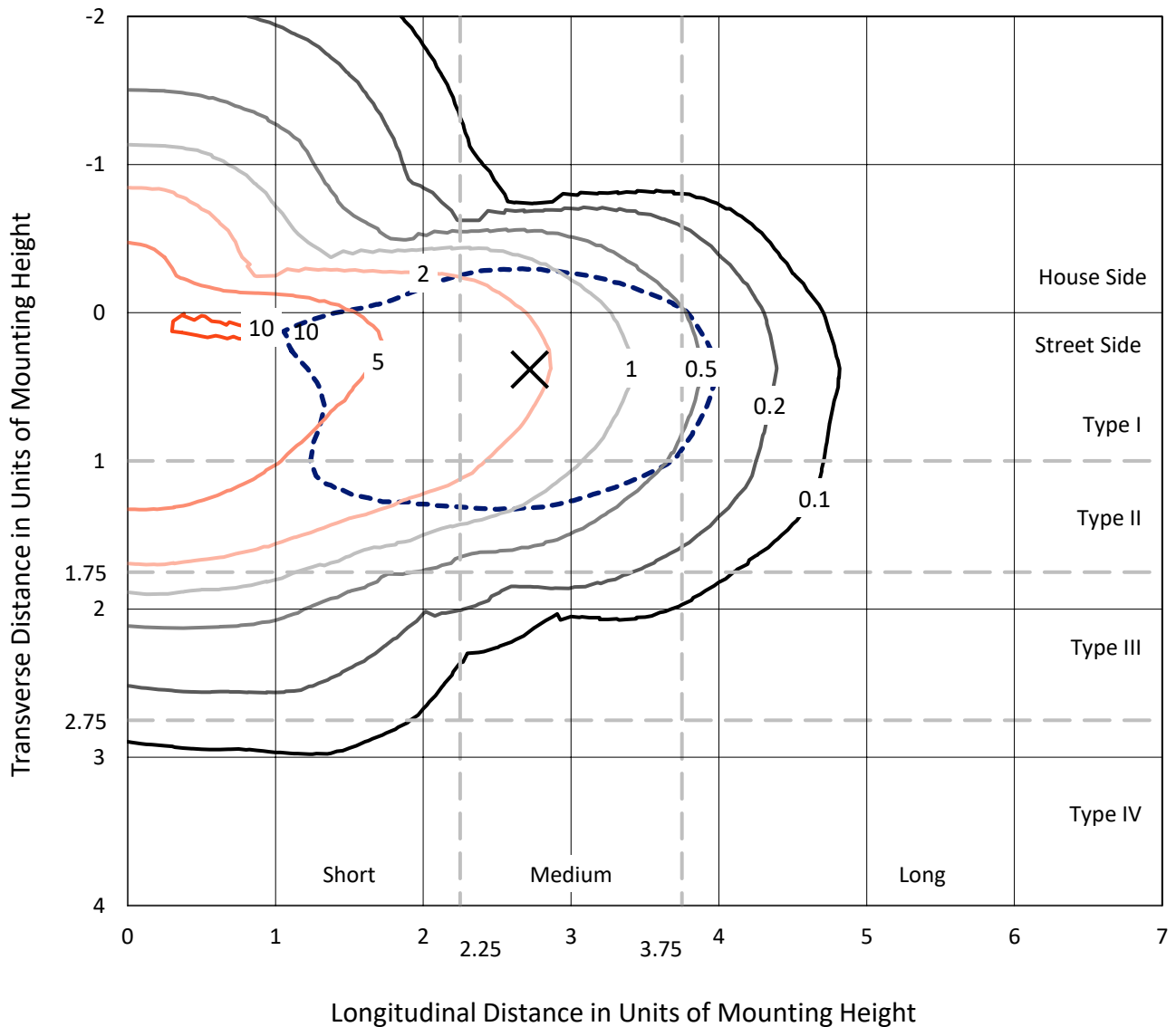
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

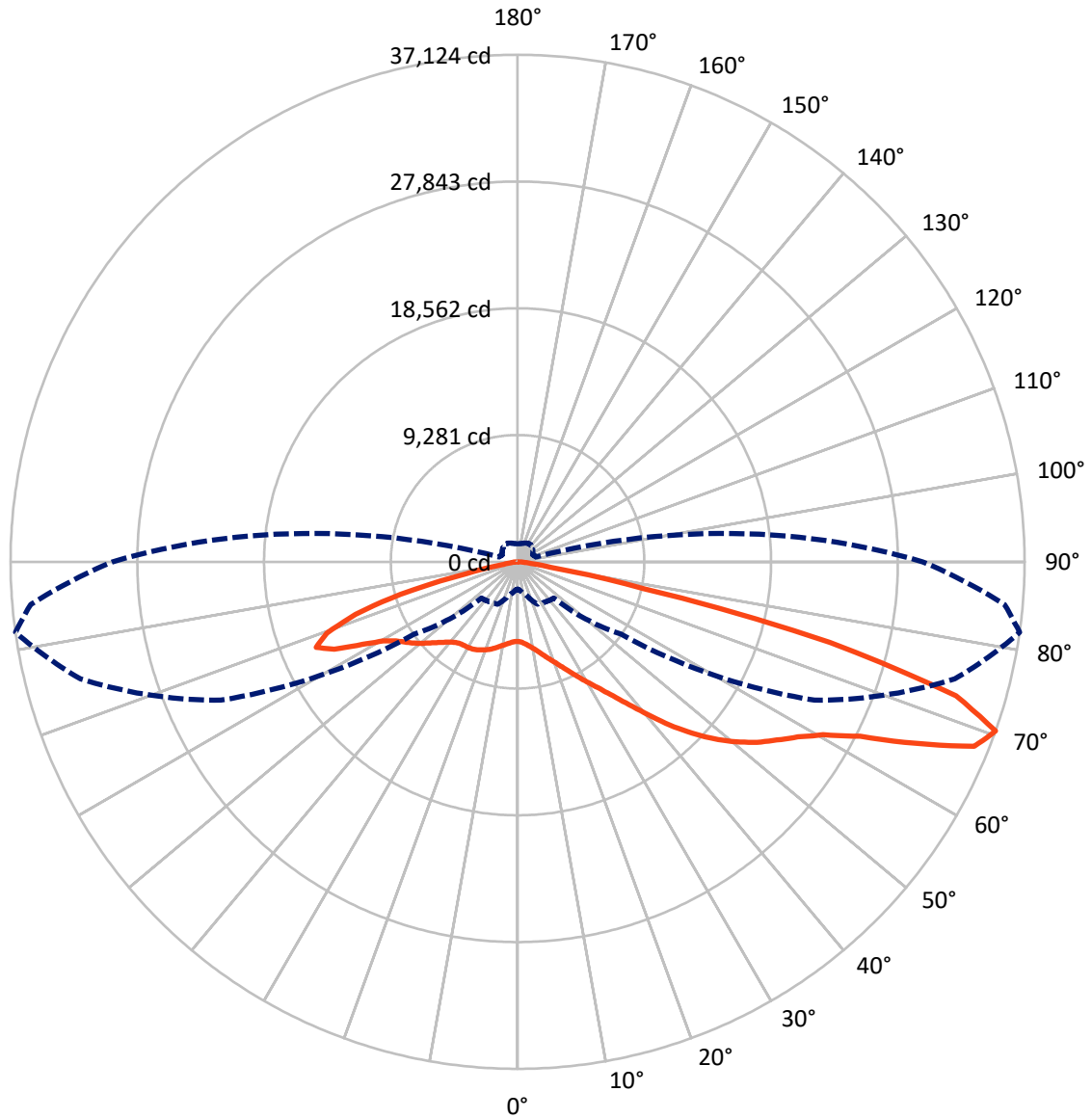
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	9793.7	0.0	9793.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	29933.3	0.0	29933.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	39727.0	0.0	39727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.9	1.4
10°-20°	1580.0	4.0
20°-30°	2643.2	6.7
30°-40°	4129.3	10.4
40°-50°	6576.4	16.6
50°-60°	9151.9	23.0
60°-70°	9573.3	24.1
70°-80°	5003.5	12.6
80°-90°	519.6	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°	39727.0	100.0
0°-180°	39727.0	100.0

Coefficient of Utilization

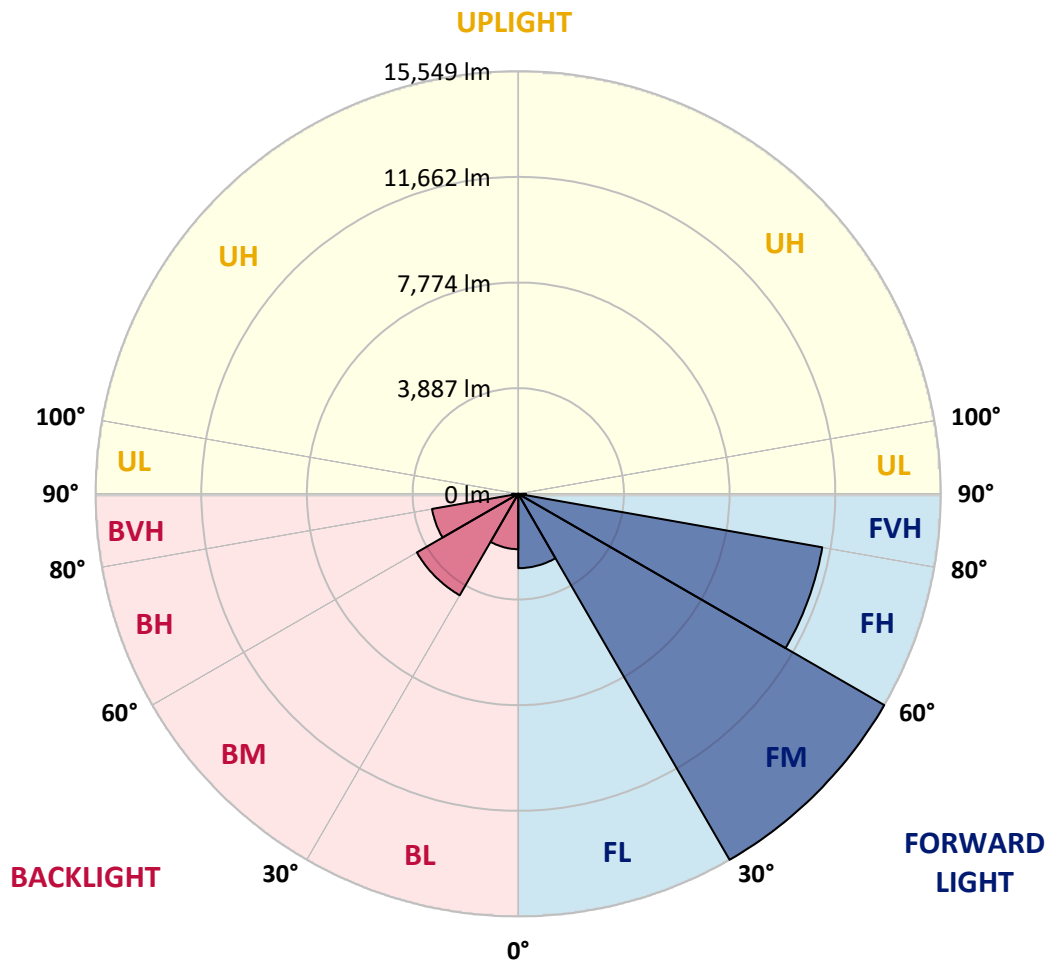


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2735.6	6.9			
FM (30°-60°)	15548.7	39.1			
FH (60°-80°)	11358.1	28.6			G4/12000
FVH (80°-90°)	290.9	0.7			G3/500
BL (0°-30°)	2037.4	5.1	B3/2500		
BM (30°-60°)	4308.8	10.8	B3/5000		
BH (60°-80°)	3218.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	228.7	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°	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5
2.5°	5963.6	5997.3	5986.8	5976.3	5976.3	5961.5	5959.4	5938.3	5921.4	5894.0
5°	6039.5	6075.3	6071.1	6079.5	6107.0	6113.3	6119.6	6107.0	6073.2	6039.5
7.5°	5972.0	6012.1	6024.7	6075.3	6159.7	6235.5	6292.5	6315.6	6284.0	6235.5
10°	5744.4	5788.6	5832.9	5953.1	6102.7	6281.9	6433.7	6524.3	6518.0	6471.6
12.5°	5282.7	5329.1	5424.0	5657.9	5932.0	6248.2	6530.7	6720.4	6785.7	6752.0
15°	4913.8	4953.9	5025.5	5265.8	5622.1	6102.7	6566.5	6935.4	7101.9	7083.0
17.5°	4903.3	4920.1	4964.4	5078.2	5352.3	5875.1	6528.6	7146.2	7464.5	7462.4
20°	5088.8	5095.1	5120.4	5143.6	5299.6	5702.2	6431.6	7321.2	7871.4	7871.4
22.5°	5346.0	5341.7	5367.0	5346.0	5421.8	5687.5	6370.5	7475.1	8324.6	8358.3
25°	5731.7	5710.6	5704.3	5655.8	5670.6	5824.5	6437.9	7650.0	8862.1	8931.7
27.5°	6246.1	6212.4	6189.2	6077.4	6039.5	6107.0	6644.5	7860.8	9460.8	9581.0
30°	6916.4	6855.3	6821.6	6627.6	6490.6	6501.2	6956.5	8141.2	10086.9	10280.8
32.5°	7831.3	7736.5	7645.8	7327.5	7076.6	6994.4	7359.1	8529.1	10765.7	11075.6
35°	8855.8	8779.9	8683.0	8191.8	7806.0	7616.3	7903.0	9070.8	11560.4	12051.6
37.5°	9842.4	9777.0	9823.4	9161.5	8664.0	8387.8	8615.5	9798.1	12540.6	13265.8
40°	10862.7	10812.1	10818.4	10186.0	9606.3	9296.4	9479.8	10710.9	13664.2	14709.8
42.5°	11971.5	11933.5	11807.1	11246.3	10594.9	10306.1	10474.8	11764.9	14870.0	16354.1
45°	13213.1	13189.9	13071.9	12428.9	11682.7	11358.0	11585.7	12928.5	16082.1	17901.4
47.5°	14286.1	14305.1	14290.3	13748.5	12974.9	12498.5	12770.4	14142.7	17209.9	19355.9
50°	14802.6	14901.6	15047.1	14878.4	14397.8	13913.0	13965.7	15314.8	18285.0	20719.8
52.5°	14532.7	14720.3	15116.7	15386.5	15572.0	15470.8	15329.6	16478.4	19296.9	21950.9
55°	13527.2	13790.7	14448.4	15099.8	16046.3	16782.0	16967.5	17768.5	20283.4	23034.4
57.5°	11695.3	12123.3	12713.5	14031.0	15624.7	17416.5	18877.4	19558.3	21329.0	24191.7
60°	8554.4	9127.8	9861.3	11821.8	14149.1	17077.1	20502.7	22307.1	22815.2	25690.5
62.5°	5474.5	5828.7	6503.3	8349.9	11025.0	15338.0	21000.2	25743.2	25334.3	28148.5
65°	3748.1	3975.7	4593.4	5630.5	7127.2	11417.1	19667.9	28319.2	29335.3	32044.1
67.5°	2723.6	2896.4	3423.4	4332.0	4644.0	6756.2	15262.1	28201.2	33224.6	36057.8
70°	1985.8	2108.0	2550.7	3423.4	3573.1	3758.6	9245.8	23972.5	33140.3	37124.4
72.5°	1471.4	1555.7	1853.0	2656.1	2892.2	2538.1	4576.5	17422.8	28477.3	33578.7
75°	1064.6	1127.8	1347.0	2032.1	2314.6	1933.1	2283.0	10181.8	19863.9	23620.4
77.5°	813.7	862.2	1005.5	1488.3	1853.0	1450.3	1416.6	4684.0	9418.7	9465.0
80°	653.5	685.1	763.1	1047.7	1420.8	1085.6	923.3	1890.9	2976.5	2519.1
82.5°	480.6	533.3	645.1	735.7	1016.1	748.3	562.8	954.9	1132.0	973.9
85°	274.0	309.9	390.0	527.0	649.3	457.4	322.5	423.7	527.0	432.1
87.5°	97.0	126.5	137.0	206.6	282.5	189.7	124.4	122.3	172.9	128.6
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°
5824.5	0°	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5	5824.5
5887.7	2.5°	5866.6	5856.1	5813.9	5757.0	5698.0	5641.1	5622.1	5582.1	5554.6	5539.9
6024.7	5°	5984.7	5951.0	5851.9	5725.4	5592.6	5449.2	5348.1	5255.3	5187.9	5124.6
6212.4	7.5°	6153.3	6094.3	5923.6	5702.2	5466.1	5227.9	5050.8	4915.9	4825.3	4766.2
6431.6	10°	6349.4	6258.7	5997.3	5666.4	5301.7	4960.2	4751.5	4635.5	4578.6	4547.0
6682.4	12.5°	6574.9	6446.3	6073.2	5584.2	5050.8	4660.8	4517.5	4483.8	4485.9	4488.0
6998.6	15°	6853.2	6674.0	6134.4	5405.0	4724.1	4431.1	4405.8	4460.6	4517.5	4544.9
7357.0	17.5°	7167.3	6914.3	6144.9	5109.9	4403.7	4283.5	4363.6	4481.7	4568.1	4606.0
7757.5	20°	7504.6	7158.9	6069.0	4692.5	4140.2	4163.4	4306.7	4458.5	4553.3	4601.8
8215.0	22.5°	7890.3	7420.3	5887.7	4254.0	3925.1	4032.7	4201.3	4348.9	4447.9	4496.4
8752.5	25°	8330.9	7713.3	5603.1	3885.1	3739.6	3885.1	4053.7	4176.0	4256.1	4300.4
9353.3	27.5°	8820.0	8018.9	5223.7	3592.1	3577.3	3733.3	3872.4	3967.3	4009.5	4043.2
9992.0	30°	9311.1	8297.2	4764.1	3370.7	3436.1	3583.6	3682.7	3724.9	3737.5	3743.9
10704.6	32.5°	9842.4	8537.5	4281.4	3187.3	3301.2	3438.2	3497.2	3516.2	3457.2	3417.1
11568.8	35°	10485.3	8794.7	3809.2	3041.9	3168.4	3286.4	3305.4	3288.5	3219.0	3136.7
12652.4	37.5°	11280.0	9115.1	3431.9	2938.6	3044.0	3122.0	3098.8	3094.6	3100.9	3003.9
13955.1	40°	12254.0	9532.5	3155.7	2858.5	2942.8	2959.7	2894.3	2930.2	2961.8	2814.2
15384.4	42.5°	13335.4	10036.3	2980.7	2803.7	2858.5	2818.4	2717.2	2757.3	2753.1	2559.1
16819.9	45°	14437.9	10584.4	2919.6	2763.6	2780.5	2700.4	2588.7	2599.2	2510.7	2335.7
18196.5	47.5°	15534.0	11172.5	2957.6	2729.9	2683.5	2592.9	2506.4	2460.1	2329.4	2198.7
19516.1	50°	16609.1	11790.2	3096.7	2662.4	2550.7	2498.0	2434.8	2352.6	2213.4	2101.7
20764.1	52.5°	17606.2	12412.1	3252.7	2550.7	2384.2	2415.8	2375.7	2280.9	2143.9	2030.0
21944.5	55°	18550.6	13033.9	3313.8	2396.8	2228.2	2344.1	2320.9	2146.0	1981.5	1888.8
23179.9	57.5°	19579.3	13782.3	3246.4	2200.8	2101.7	2261.9	2173.4	1979.4	1884.6	1815.0
24788.3	60°	21004.4	14956.4	3100.9	1958.4	1981.5	2139.6	1987.9	1907.8	1804.5	1726.5
27199.9	62.5°	23371.7	17146.7	2866.9	1718.0	1840.3	1958.4	1899.3	1819.2	1713.8	1637.9
31323.2	65°	26871.0	20190.7	2426.3	1530.4	1682.2	1781.3	1804.5	1724.4	1614.7	1534.6
34936.3	67.5°	29822.2	22100.5	1836.1	1374.4	1519.9	1637.9	1703.3	1625.3	1509.3	1431.3
35781.6	70°	29659.9	20713.5	1401.8	1220.5	1376.5	1496.7	1581.0	1519.9	1395.5	1321.7
32501.5	72.5°	26344.0	17328.0	1134.1	1064.6	1231.1	1349.1	1450.3	1403.9	1277.5	1205.8
23810.2	75°	19353.8	12300.3	906.5	906.5	1049.8	1195.3	1307.0	1277.5	1161.5	1110.9
9996.3	77.5°	8158.1	5160.4	710.4	752.6	872.7	1026.6	1165.7	1176.3	1075.1	1138.3
2643.5	80°	2169.2	1422.9	541.8	592.4	685.1	847.4	1014.0	1009.7	900.1	841.1
982.3	82.5°	826.3	560.7	385.8	417.4	495.4	649.3	803.2	828.5	718.8	621.9
385.8	85°	318.3	240.3	238.2	250.9	288.8	430.0	607.1	628.2	541.8	459.5
107.5	87.5°	82.2	71.7	88.5	84.3	132.8	229.8	347.8	360.5	331.0	191.8
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°
5824.5
5556.8
5149.9
4778.9
4555.4
4492.2
4542.8
4614.5
4614.5
4509.1
4313.0
4055.8
3758.6
3429.8
3141.0
3010.3
2818.4
2557.0
2342.0
2198.7
2093.3
2032.1
1880.4
1808.7
1722.3
1637.9
1538.9
1433.5
1328.1
1205.8
1096.2
1032.9
782.1
621.9
474.3
274.0
0.0

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