

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: P853087

Luminaire Tested: **GLAN-SB8C-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49558 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

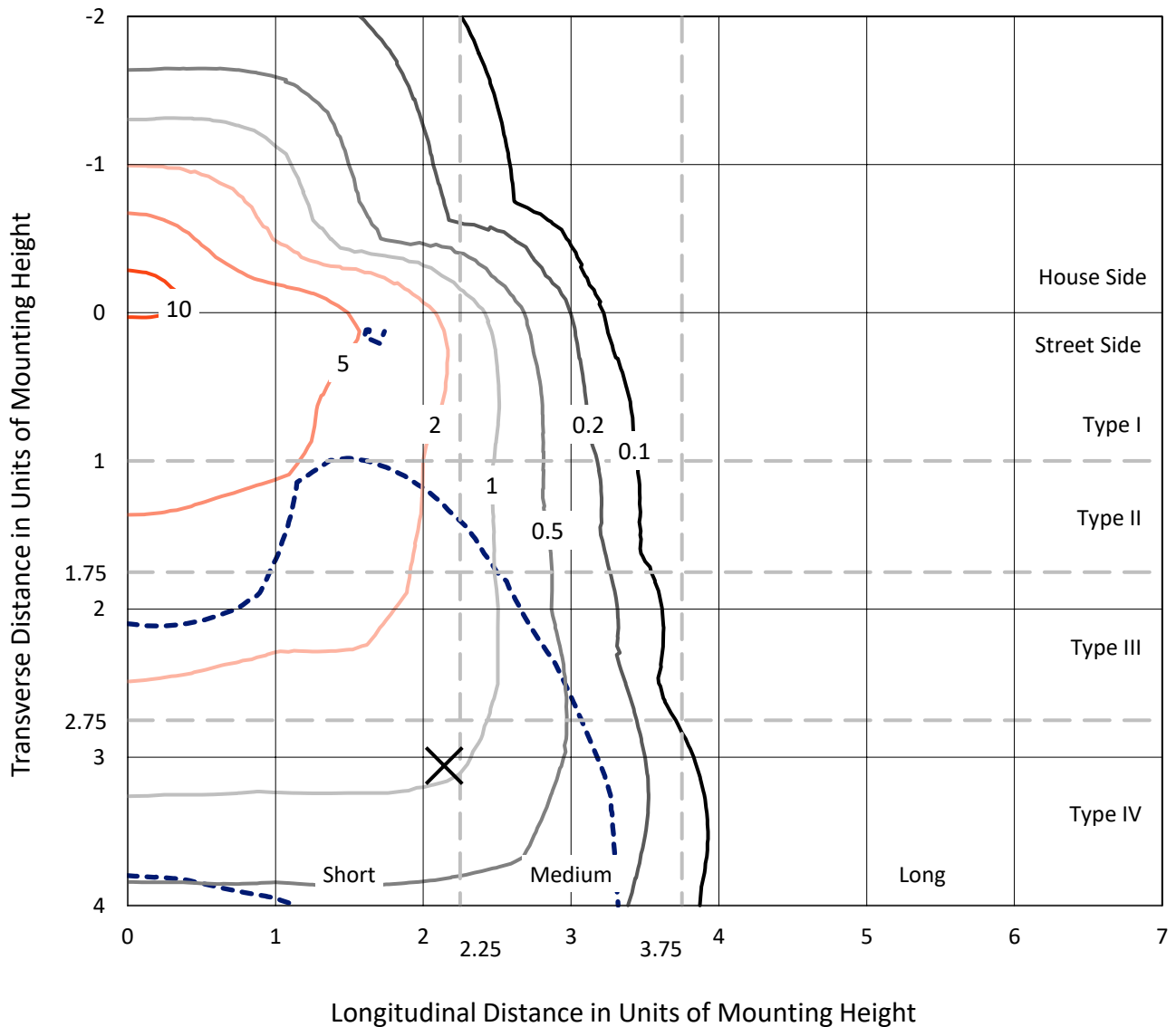
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

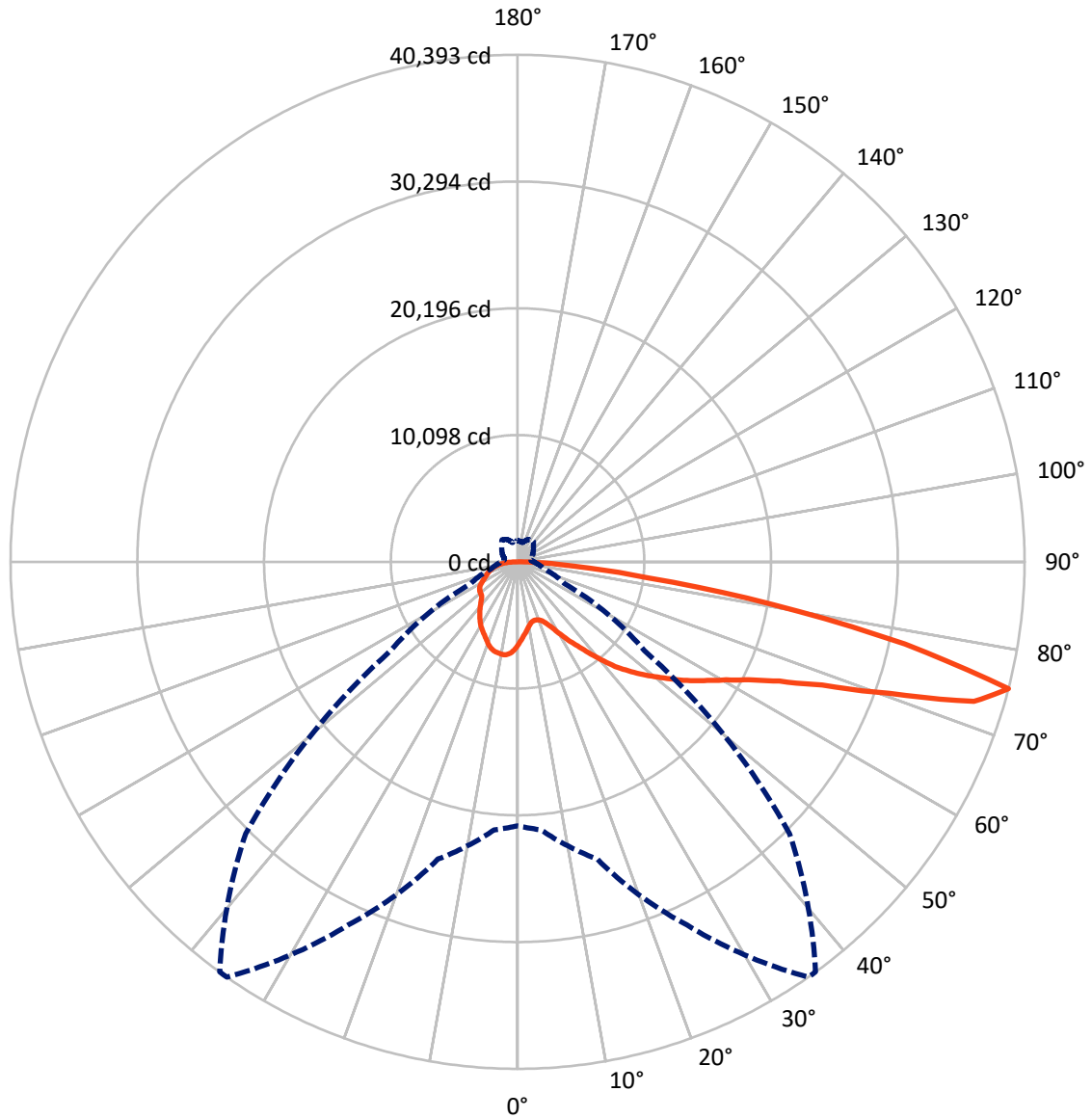
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11793.6	0.0	11793.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	37764.4	0.0	37764.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	49558.0	0.0	49558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.3	1.3
10°-20°	1803.5	3.6
20°-30°	3028.6	6.1
30°-40°	4706.8	9.5
40°-50°	6986.2	14.1
50°-60°	9644.9	19.5
60°-70°	11701.4	23.6
70°-80°	9670.4	19.5
80°-90°	1390.9	2.8
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°	49558.0	100.0
0°-180°	49558.0	100.0

Coefficient of Utilization

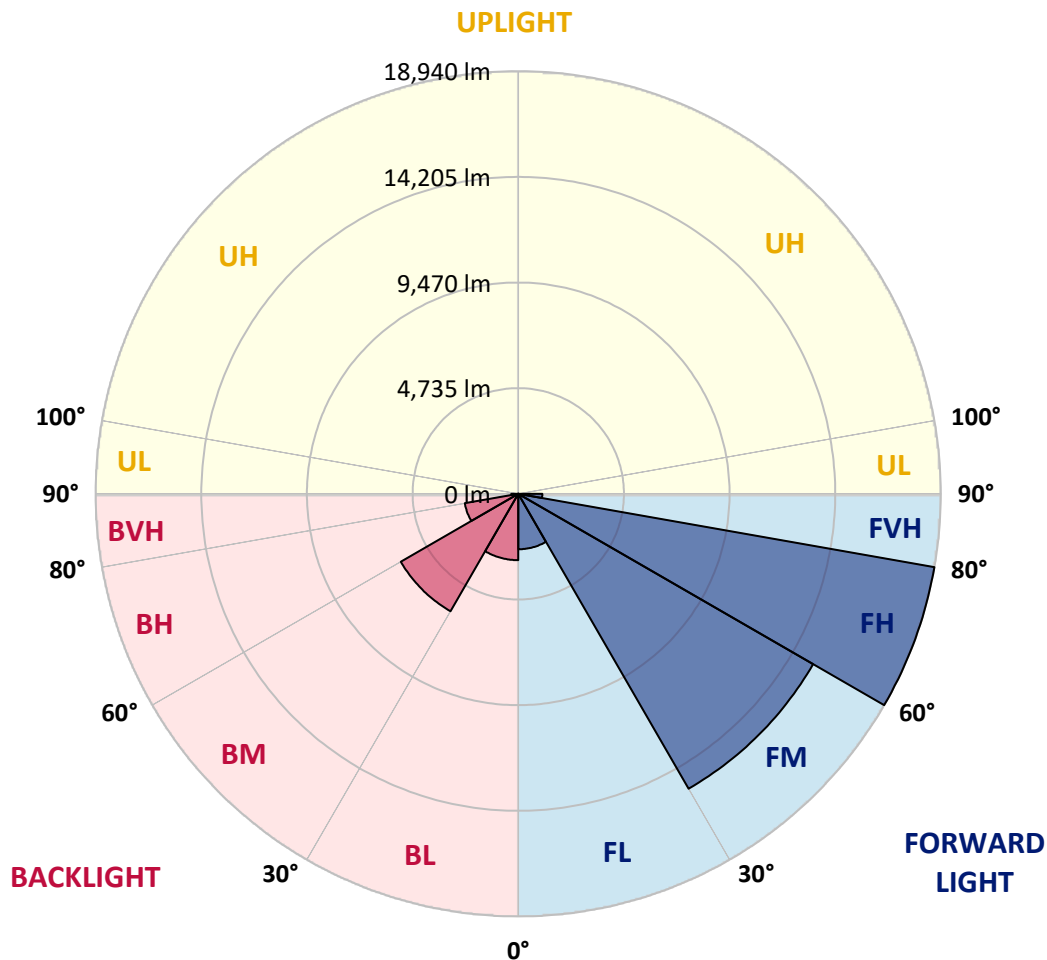


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2485.2	5.0			
FM (30°-60°)	15261.2	30.8			
FH (60°-80°)	18940.3	38.2			G5
FVH (80°-90°)	1077.7	2.2			G5
BL (0°-30°)	2972.1	6.0	B4/5000		
BM (30°-60°)	6076.8	12.3	B4/8500		
BH (60°-80°)	2431.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	313.2	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9
2.5°	6089.6	6127.1	6143.1	6135.1	6175.3	6169.9	6226.2	6295.8	6392.3	6486.1
5°	5620.7	5660.9	5695.7	5727.9	5805.6	5829.7	5918.1	6052.0	6228.9	6408.4
7.5°	5184.0	5218.9	5272.4	5331.4	5462.6	5486.8	5634.1	5843.1	6089.6	6352.1
10°	4827.7	4862.5	4918.8	4985.8	5149.2	5178.7	5366.2	5644.8	5966.3	6298.5
12.5°	4675.0	4685.7	4717.9	4784.8	4926.8	4945.6	5151.9	5470.7	5845.8	6258.3
15°	4667.0	4688.4	4691.1	4725.9	4843.8	4851.8	5042.0	5358.2	5770.7	6250.3
17.5°	4747.3	4763.4	4739.3	4760.7	4859.9	4873.3	5023.3	5304.6	5746.6	6285.1
20°	4961.7	4975.1	4902.7	4873.3	4945.6	4956.3	5103.7	5339.4	5770.7	6357.5
22.5°	5417.1	5425.1	5248.3	5127.8	5133.1	5138.5	5267.1	5481.4	5864.5	6488.7
25°	6127.1	6121.7	5840.4	5607.3	5473.4	5443.9	5529.6	5711.8	6022.6	6662.9
27.5°	6957.6	6917.4	6636.1	6287.8	5995.8	5952.9	5934.2	6011.9	6247.6	6893.3
30°	7895.3	7857.7	7555.0	7099.6	6695.0	6625.4	6448.6	6408.4	6582.5	7206.7
32.5°	8924.0	8899.9	8538.2	7986.3	7445.2	7364.8	7067.4	6960.3	7096.9	7680.9
35°	9786.7	9765.3	9465.2	8897.2	8235.5	8136.4	7833.6	7713.1	7782.7	8289.1
37.5°	10566.3	10555.6	10298.4	9851.0	9167.8	9047.3	8707.0	8666.8	8653.4	9090.1
40°	11289.7	11262.9	10995.0	10759.2	10252.8	10143.0	9842.9	9808.1	9706.3	10076.0
42.5°	12090.7	12021.0	11632.6	11522.7	11386.1	11295.0	11115.5	11120.9	10895.8	11187.8
45°	12744.4	12704.2	12305.0	12240.7	12388.1	12350.6	12506.0	12546.1	12109.5	12353.3
47.5°	13446.3	13408.8	13071.2	13025.7	13424.9	13435.6	13984.8	13998.2	13293.6	13564.2
50°	14311.7	14258.1	13923.2	13979.5	14426.9	14467.0	15471.7	15380.6	14384.0	14793.9
52.5°	14882.3	14914.5	14842.1	14933.2	15544.0	15581.5	16934.5	16701.4	15463.7	16007.5
55°	15302.9	15367.2	15592.3	15801.2	16722.8	16760.3	18314.2	17957.9	16358.5	17132.7
57.5°	15844.1	15753.0	16173.6	16580.8	17842.7	17941.8	19656.4	19168.8	17151.5	18102.6
60°	16621.0	16556.7	16883.6	17486.4	19096.5	19254.6	21076.3	20259.2	17732.8	18871.5
62.5°	18196.3	18035.6	18086.5	18619.6	20677.2	20886.1	22678.4	21210.3	18022.2	19171.5
65°	20551.2	20275.3	20018.1	20387.8	22903.5	23109.8	24486.8	21957.8	17915.0	18590.2
67.5°	23517.0	23243.7	22927.6	23275.9	26182.7	26346.1	26718.5	22378.4	17071.1	16350.4
70°	25963.0	25861.2	26238.9	27672.2	31420.3	31425.6	29579.8	22030.1	14759.1	11592.4
72.5°	25638.8	25577.2	27567.8	31999.0	38021.5	37879.5	32288.3	19393.9	9942.1	5229.6
75°	21033.5	21432.7	24516.3	31921.3	40392.5	40373.8	30630.0	12329.1	4112.4	2167.4
77.5°	11278.9	11911.2	15916.4	23567.9	31532.8	32007.0	21534.5	4313.3	1765.5	1387.8
80°	3678.4	4230.3	6344.1	11999.6	20489.6	20401.2	9229.4	1693.2	1208.3	983.2
82.5°	1561.9	1626.2	2834.5	5666.3	10515.4	10352.0	2939.0	972.5	849.3	672.4
85°	610.8	683.2	1251.1	2620.1	4554.4	4455.3	1060.9	482.2	543.9	439.4
87.5°	200.9	243.8	447.4	897.5	1417.2	1366.3	259.9	166.1	235.8	200.9
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°
6603.9	0°	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9	6603.9
6622.7	2.5°	6660.2	6703.1	6754.0	6829.0	6893.3	6946.9	7003.1	7038.0	7051.3	7091.5
6633.4	5°	6708.4	6802.2	6928.1	7051.3	7171.9	7244.2	7308.5	7340.7	7370.2	7391.6
6662.9	7.5°	6788.8	6909.4	7107.6	7268.4	7370.2	7429.1	7472.0	7461.2	7472.0	7477.3
6695.0	10°	6858.5	7027.2	7263.0	7415.7	7493.4	7496.1	7485.4	7447.8	7429.1	7431.8
6743.3	12.5°	6941.5	7129.0	7383.6	7512.1	7533.6	7474.6	7429.1	7364.8	7340.7	7330.0
6815.6	15°	7054.0	7268.4	7514.8	7563.1	7509.5	7434.5	7356.8	7252.3	7198.7	7155.8
6938.8	17.5°	7190.7	7426.4	7616.6	7581.8	7466.6	7343.4	7217.4	7059.4	6949.5	6904.0
7107.6	20°	7380.9	7592.5	7694.3	7541.6	7367.5	7179.9	6965.6	6772.7	6670.9	6625.4
7321.9	22.5°	7611.3	7814.9	7769.3	7472.0	7225.5	6925.4	6657.5	6515.5	6464.6	6432.5
7597.9	25°	7887.2	8061.4	7822.9	7370.2	6992.4	6587.9	6381.6	6336.0	6311.9	6287.8
7935.4	27.5°	8246.2	8340.0	7863.1	7220.1	6628.1	6228.9	6153.9	6161.9	6153.9	6113.7
8404.3	30°	8720.4	8701.7	7900.6	6976.3	6210.1	5904.7	5910.1	5944.9	5950.2	5923.5
9058.0	32.5°	9344.6	9154.4	7919.4	6660.2	5810.9	5620.7	5626.1	5663.6	5690.4	5644.8
9912.6	35°	10100.1	9682.2	7889.9	6263.7	5502.8	5350.1	5309.9	5320.7	5328.7	5285.8
10949.4	37.5°	10981.6	10274.3	7758.6	5824.3	5248.3	5084.9	4999.2	4926.8	4884.0	4843.8
12122.8	40°	11948.7	10919.9	7517.5	5395.7	4964.3	4803.6	4675.0	4538.4	4393.7	4340.1
13365.9	42.5°	12961.4	11584.4	7225.5	4985.8	4637.5	4506.2	4369.6	4171.3	3954.3	3844.5
14657.3	45°	14011.6	12264.8	6938.8	4581.2	4302.6	4246.3	4088.3	3849.8	3614.1	3474.8
15951.3	47.5°	15040.4	12907.8	6518.2	4174.0	3989.2	4050.8	3927.5	3707.9	3445.3	3225.6
17234.5	50°	16023.6	13510.6	5829.7	3761.4	3734.6	3991.8	3874.0	3557.8	3257.8	2976.5
18493.7	52.5°	16998.8	13998.2	4948.3	3386.4	3598.0	3975.8	3804.3	3456.0	3089.0	2794.3
19677.9	55°	17826.6	14250.0	4099.0	3064.9	3399.8	3839.1	3721.2	3335.5	2850.5	2537.1
20489.6	57.5°	18298.1	14046.4	3391.7	2748.7	3126.5	3614.1	3579.3	3078.3	2566.6	2325.4
20647.7	60°	18094.5	13221.3	2813.0	2472.8	2866.6	3370.3	3332.8	2823.8	2349.6	2121.8
19801.1	62.5°	16972.0	11648.7	2354.9	2231.7	2630.9	3121.1	3086.3	2628.2	2183.5	1963.8
17553.3	65°	14710.8	9475.9	1998.6	2030.7	2392.4	2821.1	2872.0	2464.8	2052.2	1837.9
13580.3	67.5°	11220.0	6863.8	1720.0	1856.6	2159.3	2526.4	2673.7	2346.9	1942.3	1738.7
7857.7	70°	6395.0	3898.1	1484.2	1687.8	1953.1	2253.1	2521.0	2253.1	1824.5	1655.7
2944.3	72.5°	2424.6	1789.6	1283.3	1519.0	1754.8	2022.7	2352.2	2105.8	1687.8	1561.9
1521.7	75°	1294.0	1090.4	1079.7	1320.8	1527.1	1797.7	2140.6	1961.1	1586.0	1650.3
1052.9	77.5°	881.4	771.6	902.9	1130.6	1277.9	1548.5	1915.5	1741.4	1374.4	1369.0
728.7	80°	610.8	546.5	734.1	910.9	988.6	1302.0	1671.7	1494.9	1119.9	1044.8
450.1	82.5°	367.0	356.3	549.2	680.5	699.2	1004.7	1385.1	1253.8	916.2	798.4
267.9	85°	200.9	211.6	351.0	399.2	407.2	701.9	1085.0	969.8	704.6	592.1
96.4	87.5°	56.3	72.3	128.6	158.1	195.6	364.4	645.7	576.0	353.6	246.5
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°
6603.9
7088.9
7396.9
7485.4
7437.1
7324.6
7169.2
6906.7
6620.0
6437.8
6287.8
6121.7
5936.8
5666.3
5315.3
4870.6
4364.2
3857.9
3464.1
3201.5
2952.3
2762.1
2510.3
2293.3
2089.7
1928.9
1803.0
1706.6
1634.2
1540.5
1703.9
1261.8
999.3
803.7
597.4
246.5
0.0

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