

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: P852953

Luminaire Tested: **GLAN-SB7C-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852953
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-SB7C-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46814 lumens
Efficiency: N/A
Efficacy: 133.6 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

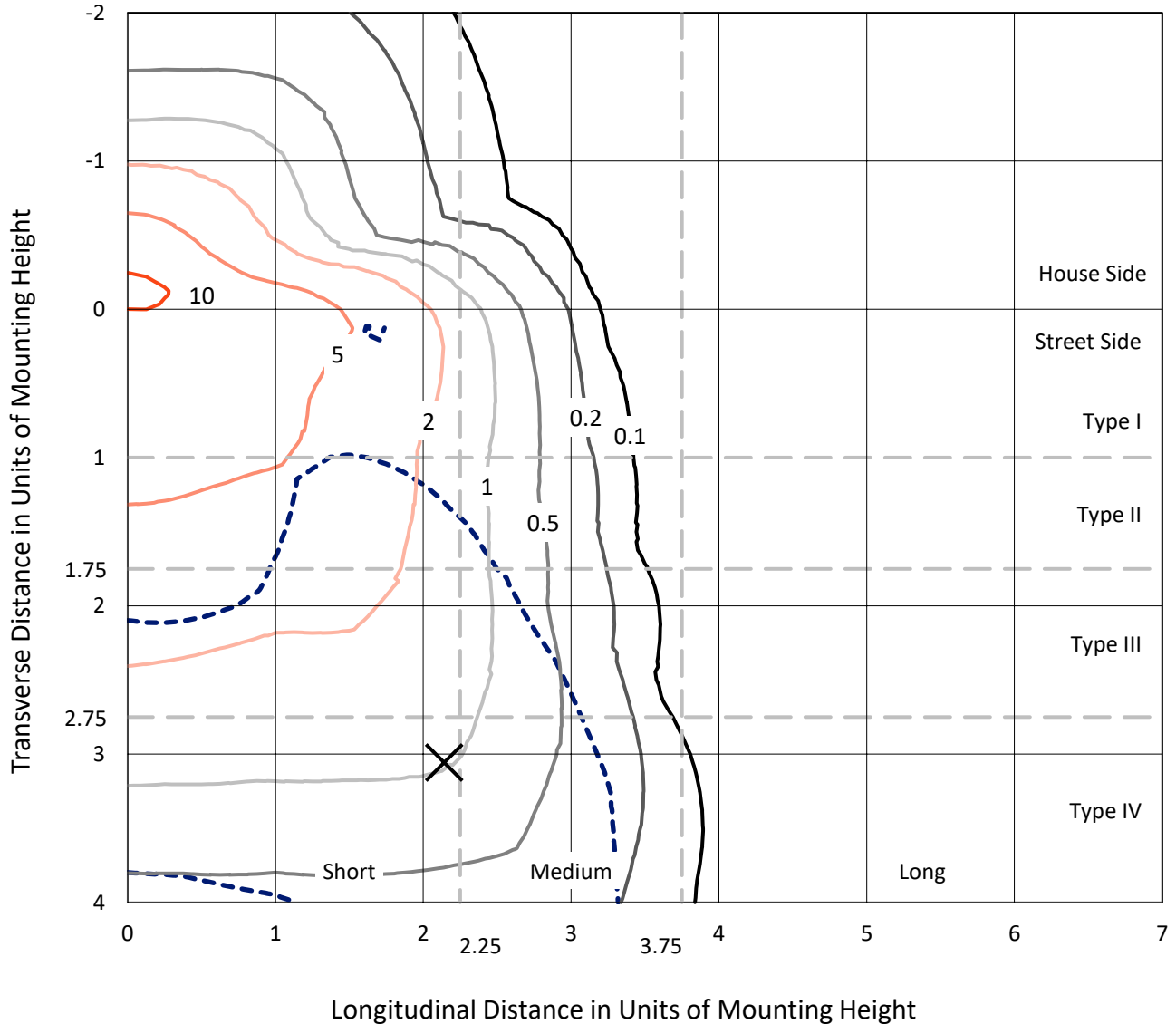
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

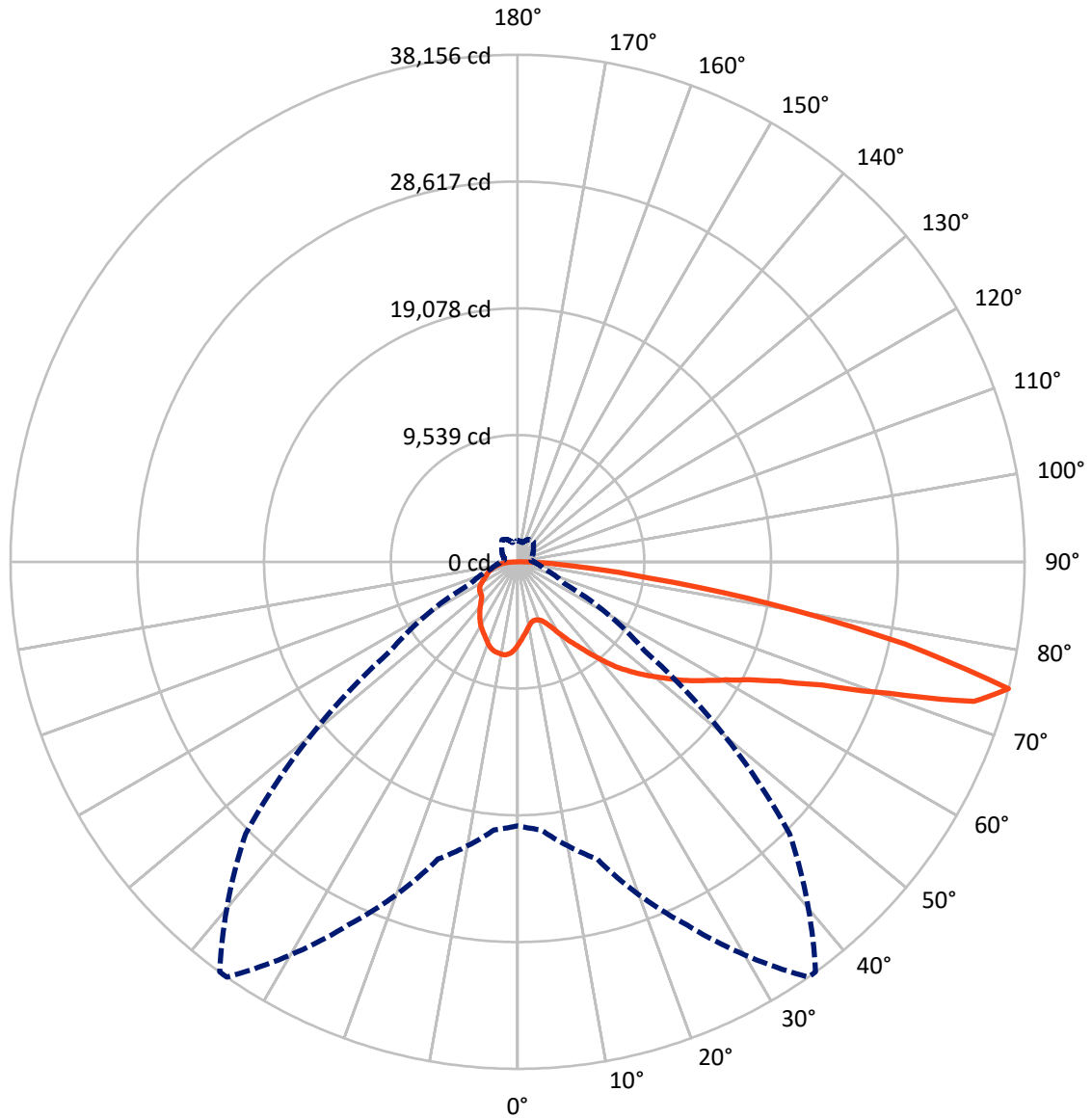
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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	11140.6	0.0	11140.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	35673.4	0.0	35673.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	46814.0	0.0	46814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.6	1.3
10°-20°	1703.7	3.6
20°-30°	2860.9	6.1
30°-40°	4446.2	9.5
40°-50°	6599.4	14.1
50°-60°	9110.9	19.5
60°-70°	11053.5	23.6
70°-80°	9134.9	19.5
80°-90°	1313.9	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°	46814.0	100.0
0°-180°	46814.0	100.0

Coefficient of Utilization

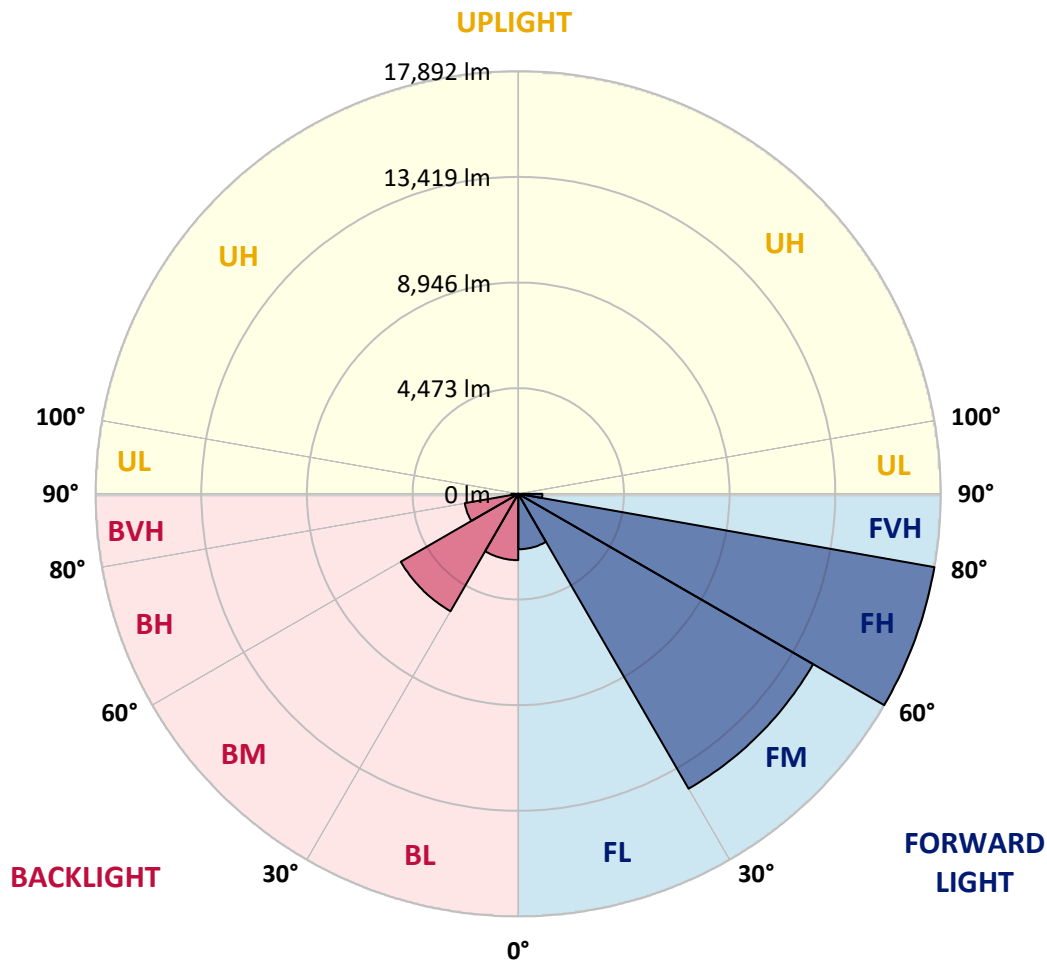


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2347.6	5.0			
FM (30°-60°)	14416.2	30.8			
FH (60°-80°)	17891.6	38.2			G5
FVH (80°-90°)	1018.0	2.2			G5
BL (0°-30°)	2807.6	6.0	B4/5000		
BM (30°-60°)	5740.3	12.3	B4/8500		
BH (60°-80°)	2296.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	295.9	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°	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3
2.5°	5752.4	5787.8	5803.0	5795.4	5833.4	5828.3	5881.4	5947.2	6038.4	6126.9
5°	5309.5	5347.5	5380.4	5410.7	5484.1	5506.9	5590.4	5716.9	5884.0	6053.5
7.5°	4897.0	4929.9	4980.5	5036.2	5160.2	5183.0	5322.2	5519.6	5752.4	6000.4
10°	4560.4	4593.3	4646.4	4709.7	4864.1	4891.9	5069.1	5332.3	5636.0	5949.8
12.5°	4416.1	4426.3	4456.6	4519.9	4654.0	4671.8	4866.6	5167.8	5522.1	5911.8
15°	4408.6	4428.8	4431.3	4464.2	4575.6	4583.2	4762.9	5061.5	5451.2	5904.2
17.5°	4484.5	4499.7	4476.9	4497.1	4590.8	4603.4	4745.1	5010.9	5428.4	5937.1
20°	4686.9	4699.6	4631.3	4603.4	4671.8	4681.9	4821.1	5043.8	5451.2	6005.5
22.5°	5117.2	5124.8	4957.7	4843.8	4848.9	4854.0	4975.4	5177.9	5539.8	6129.5
25°	5787.8	5782.7	5517.0	5296.8	5170.3	5142.5	5223.5	5395.5	5689.1	6294.0
27.5°	6572.3	6534.4	6268.7	5939.7	5663.8	5623.3	5605.6	5679.0	5901.7	6511.6
30°	7458.1	7422.7	7136.7	6706.5	6324.3	6258.5	6091.5	6053.5	6218.0	6807.7
32.5°	8429.9	8407.1	8065.5	7544.1	7032.9	6957.0	6676.1	6574.9	6703.9	7255.6
35°	9244.8	9224.6	8941.1	8404.6	7779.5	7685.9	7399.9	7286.0	7351.8	7830.1
37.5°	9981.3	9971.1	9728.2	9305.5	8660.2	8546.3	8224.9	8187.0	8174.3	8586.8
40°	10664.6	10639.2	10386.2	10163.5	9685.2	9581.4	9298.0	9265.1	9168.9	9518.1
42.5°	11421.2	11355.4	10988.5	10884.7	10755.7	10669.6	10500.1	10505.1	10292.5	10568.4
45°	12038.7	12000.8	11623.7	11563.0	11702.2	11666.7	11813.5	11851.5	11439.0	11669.3
47.5°	12701.8	12666.4	12347.5	12304.5	12681.6	12691.7	13210.5	13223.1	12557.5	12813.2
50°	13519.2	13468.6	13152.3	13205.4	13628.1	13666.0	14615.0	14529.0	13587.6	13974.8
52.5°	14058.3	14088.6	14020.3	14106.4	14683.4	14718.8	15996.8	15776.7	14607.5	15121.2
55°	14455.6	14516.3	14728.9	14926.3	15796.9	15832.3	17300.2	16963.6	15452.7	16184.1
57.5°	14966.8	14880.8	15278.1	15662.8	16854.8	16948.4	18568.1	18107.5	16201.8	17100.2
60°	15700.7	15640.0	15948.7	16518.2	18039.1	18188.5	19909.4	19137.5	16751.0	17826.6
62.5°	17188.8	17037.0	17085.0	17588.7	19532.3	19729.7	21422.7	20035.9	17024.3	18110.0
65°	19413.3	19152.7	18909.7	19259.0	21635.3	21830.2	23131.0	20742.0	16923.1	17560.8
67.5°	22214.9	21956.7	21658.1	21987.1	24733.0	24887.3	25239.1	21139.3	16125.9	15445.1
70°	24525.4	24429.3	24786.1	26140.0	29680.6	29685.6	27941.9	20810.3	13941.9	10950.5
72.5°	24219.2	24161.0	26041.3	30227.2	35916.3	35782.2	30500.5	18320.1	9391.6	4940.0
75°	19868.9	20245.9	23158.8	30153.8	38156.0	38138.3	28934.0	11646.5	3884.7	2047.4
77.5°	10654.4	11251.7	15035.1	22262.9	29786.8	30234.8	20342.1	4074.5	1667.8	1310.9
80°	3474.7	3996.0	5992.8	11335.2	19355.1	19271.6	8718.4	1599.4	1141.4	928.8
82.5°	1475.4	1536.2	2677.5	5352.5	9933.2	9778.8	2776.2	918.7	802.2	635.2
85°	577.0	645.3	1181.9	2475.1	4302.3	4208.6	1002.2	455.5	513.7	415.0
87.5°	189.8	230.3	422.6	847.8	1338.8	1290.7	245.5	156.9	222.7	189.8
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°
6238.3	0°	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3	6238.3
6256.0	2.5°	6291.4	6331.9	6380.0	6450.9	6511.6	6562.2	6615.4	6648.3	6660.9	6698.9
6266.1	5°	6337.0	6425.6	6544.5	6660.9	6774.8	6843.1	6903.9	6934.2	6962.1	6982.3
6294.0	7.5°	6412.9	6526.8	6714.1	6865.9	6962.1	7017.8	7058.2	7048.1	7058.2	7063.3
6324.3	10°	6478.7	6638.1	6860.8	7005.1	7078.5	7081.0	7070.9	7035.5	7017.8	7020.3
6369.9	12.5°	6557.2	6734.3	6974.7	7096.2	7116.5	7060.8	7017.8	6957.0	6934.2	6924.1
6438.2	15°	6663.4	6865.9	7098.7	7144.3	7093.7	7022.8	6949.4	6850.7	6800.1	6759.6
6554.6	17.5°	6792.5	7015.2	7194.9	7162.0	7053.2	6936.8	6817.8	6668.5	6564.7	6521.7
6714.1	20°	6972.2	7172.1	7268.3	7124.0	6959.5	6782.4	6579.9	6397.7	6301.6	6258.5
6916.5	22.5°	7189.8	7382.2	7339.2	7058.2	6825.4	6542.0	6288.9	6154.8	6106.7	6076.3
7177.2	25°	7450.5	7615.0	7389.8	6962.1	6605.2	6223.1	6028.2	5985.2	5962.4	5939.7
7496.1	27.5°	7789.6	7878.2	7427.7	6820.4	6261.1	5884.0	5813.1	5820.7	5813.1	5775.2
7938.9	30°	8237.6	8219.9	7463.2	6590.1	5866.3	5577.8	5582.8	5615.7	5620.8	5595.5
8556.4	32.5°	8827.2	8647.5	7480.9	6291.4	5489.2	5309.5	5314.6	5350.0	5375.3	5332.3
9363.8	35°	9540.9	9146.1	7453.0	5916.9	5198.1	5053.9	5015.9	5026.1	5033.6	4993.2
10343.1	37.5°	10373.5	9705.4	7329.0	5501.8	4957.7	4803.4	4722.4	4654.0	4613.5	4575.6
11451.6	40°	11287.1	10315.3	7101.3	5096.9	4689.5	4537.6	4416.1	4287.1	4150.4	4099.8
12625.9	42.5°	12243.7	10942.9	6825.4	4709.7	4380.7	4256.7	4127.6	3940.4	3735.4	3631.6
13845.7	45°	13235.8	11585.7	6554.6	4327.6	4064.4	4011.2	3861.9	3636.7	3414.0	3282.4
15068.0	47.5°	14207.6	12193.1	6157.3	3942.9	3768.3	3826.5	3710.1	3502.5	3254.5	3047.0
16280.3	50°	15136.4	12762.5	5506.9	3553.2	3527.9	3770.8	3659.5	3360.8	3077.4	2811.7
17469.7	52.5°	16057.6	13223.1	4674.3	3198.9	3398.8	3755.6	3593.7	3264.7	2917.9	2639.6
18588.3	55°	16839.6	13461.0	3872.0	2895.2	3211.5	3626.6	3515.2	3150.8	2692.7	2396.6
19355.1	57.5°	17285.0	13268.7	3203.9	2596.5	2953.4	3414.0	3381.1	2907.8	2424.5	2196.7
19504.4	60°	17092.6	12489.2	2657.3	2335.9	2707.9	3183.7	3148.2	2667.4	2219.5	2004.3
18704.7	62.5°	16032.3	11003.7	2224.5	2108.1	2485.2	2948.3	2915.4	2482.7	2062.6	1855.0
16581.4	65°	13896.3	8951.2	1887.9	1918.3	2260.0	2664.9	2713.0	2328.3	1938.5	1736.1
12828.3	67.5°	10598.8	6483.8	1624.7	1753.8	2039.8	2386.5	2525.7	2216.9	1834.8	1642.5
7422.7	70°	6040.9	3682.2	1402.0	1594.4	1844.9	2128.4	2381.4	2128.4	1723.4	1564.0
2781.3	72.5°	2290.3	1690.5	1212.2	1434.9	1657.6	1910.7	2222.0	1989.2	1594.4	1475.4
1437.5	75°	1222.3	1030.0	1019.9	1247.7	1442.5	1698.1	2022.1	1852.5	1498.2	1558.9
994.6	77.5°	832.6	728.9	852.9	1068.0	1207.2	1462.8	1809.5	1645.0	1298.3	1293.2
688.4	80°	577.0	516.3	693.4	860.5	933.8	1229.9	1579.2	1412.2	1057.9	987.0
425.2	82.5°	346.7	336.6	518.8	642.8	660.5	949.0	1308.4	1184.4	865.5	754.2
253.1	85°	189.8	199.9	331.5	377.1	384.7	663.1	1025.0	916.1	665.6	559.3
91.1	87.5°	53.1	68.3	121.5	149.3	184.7	344.2	609.9	544.1	334.1	232.8
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°
6238.3
6696.3
6987.4
7070.9
7025.3
6919.1
6772.3
6524.3
6253.5
6081.4
5939.7
5782.7
5608.1
5352.5
5021.0
4600.9
4122.6
3644.3
3272.3
3024.2
2788.9
2609.2
2371.3
2166.3
1974.0
1822.1
1703.2
1612.1
1543.8
1455.2
1609.6
1192.0
944.0
759.2
564.4
232.8
0.0

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