

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: P852817

Luminaire Tested: **GLAN-SB6C-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852817
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-SB6C-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 39918 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

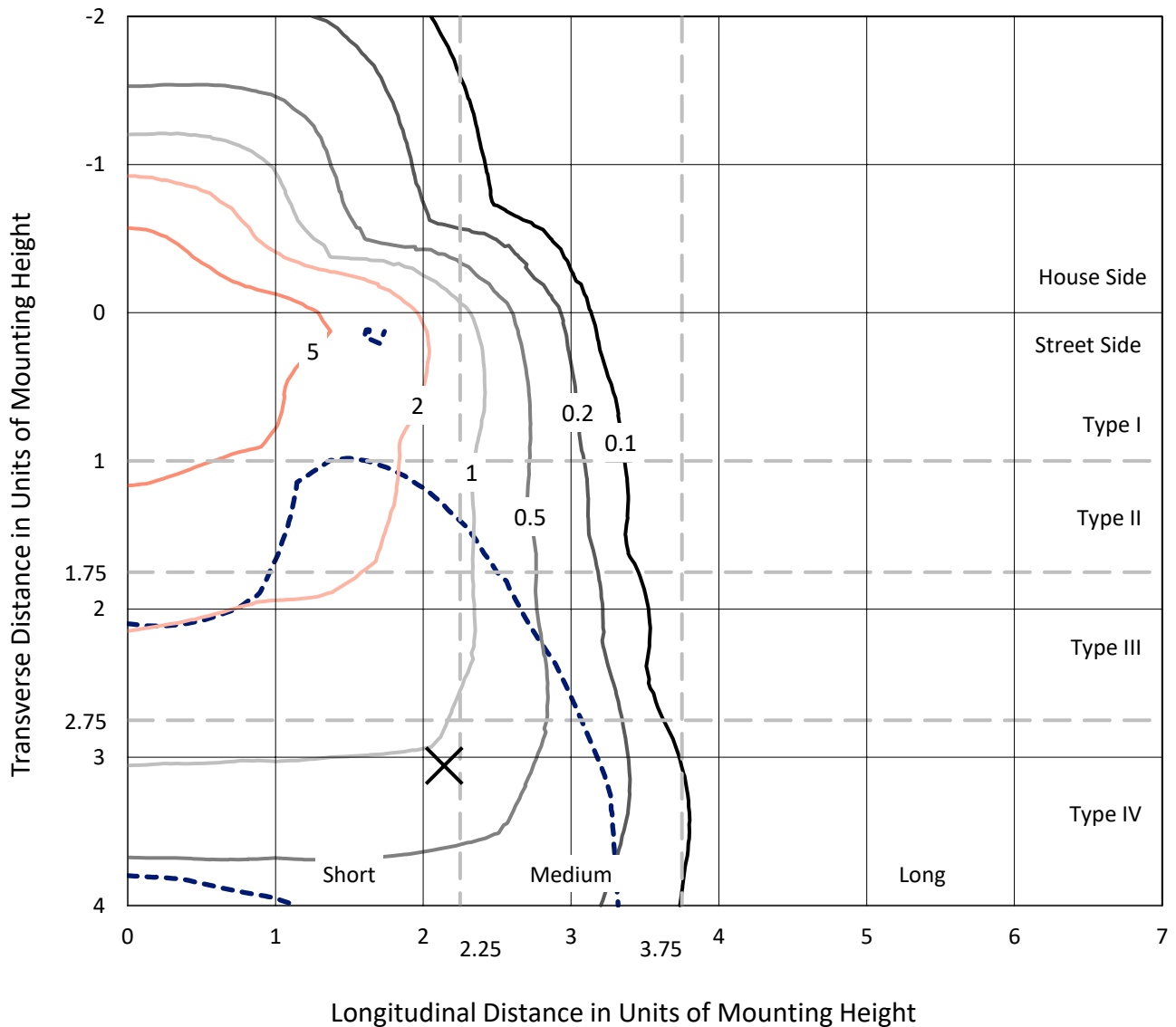
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

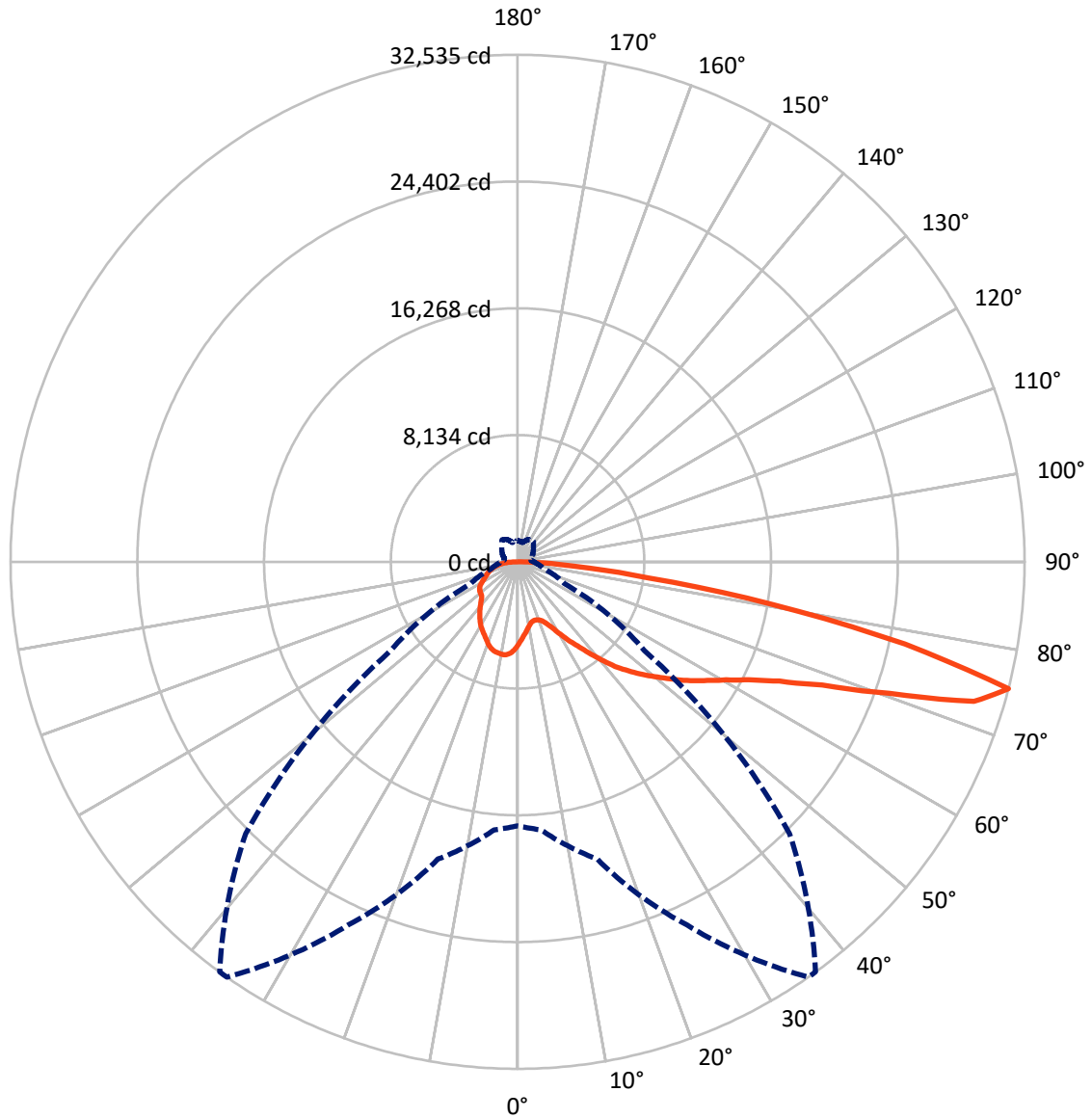
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	9499.5	0.0	9499.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	30418.5	0.0	30418.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	39918.0	0.0	39918.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.6	1.3
10°-20°	1452.7	3.6
20°-30°	2439.5	6.1
30°-40°	3791.3	9.5
40°-50°	5627.3	14.1
50°-60°	7768.8	19.5
60°-70°	9425.3	23.6
70°-80°	7789.3	19.5
80°-90°	1120.3	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°	39918.0	100.0
0°-180°	39918.0	100.0

Coefficient of Utilization

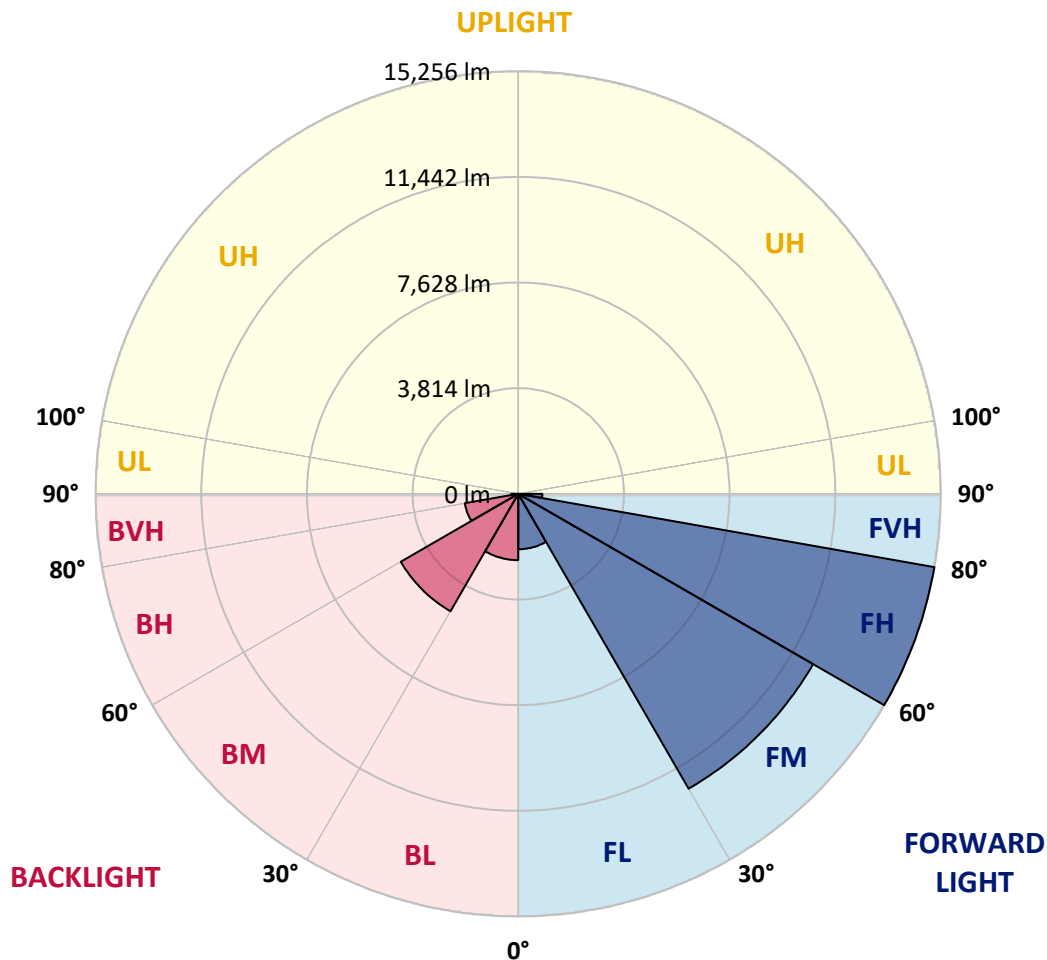


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2001.8	5.0			
FM (30°-60°)	12292.6	30.8			
FH (60°-80°)	15256.1	38.2			G5
FVH (80°-90°)	868.1	2.2			G5
BL (0°-30°)	2394.0	6.0	B3/2500		
BM (30°-60°)	4894.7	12.3	B3/5000		
BH (60°-80°)	1958.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	252.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3
2.5°	4905.0	4935.2	4948.2	4941.7	4974.1	4969.8	5015.1	5071.2	5148.9	5224.4
5°	4527.4	4559.7	4587.8	4613.7	4676.3	4695.7	4766.9	4874.8	5017.2	5161.8
7.5°	4175.6	4203.7	4246.8	4294.3	4400.1	4419.5	4538.2	4706.5	4905.0	5116.5
10°	3888.6	3916.7	3962.0	4015.9	4147.6	4171.3	4322.4	4546.8	4805.8	5073.3
12.5°	3765.6	3774.3	3800.1	3854.1	3968.5	3983.6	4149.7	4406.5	4708.6	5041.0
15°	3759.1	3776.4	3778.6	3806.6	3901.6	3908.0	4061.3	4315.9	4648.2	5034.5
17.5°	3823.9	3836.8	3817.4	3834.7	3914.5	3925.3	4046.2	4272.7	4628.8	5062.5
20°	3996.5	4007.3	3949.0	3925.3	3983.6	3992.2	4110.9	4300.8	4648.2	5120.8
22.5°	4363.4	4369.8	4227.4	4130.3	4134.6	4138.9	4242.5	4415.2	4723.7	5226.6
25°	4935.2	4930.9	4704.3	4516.6	4408.7	4385.0	4454.0	4600.7	4851.1	5366.8
27.5°	5604.2	5571.8	5345.2	5064.7	4829.5	4795.0	4779.9	4842.4	5032.3	5552.4
30°	6359.5	6329.3	6085.4	5718.6	5392.7	5336.6	5194.2	5161.8	5302.1	5804.9
32.5°	7188.1	7168.7	6877.4	6432.8	5996.9	5932.2	5692.7	5606.4	5716.4	6186.8
35°	7883.0	7865.7	7624.0	7166.5	6633.5	6553.7	6309.8	6212.7	6268.8	6676.7
37.5°	8510.9	8502.3	8295.2	7934.8	7384.5	7287.4	7013.3	6981.0	6970.2	7321.9
40°	9093.6	9072.0	8856.2	8666.3	8258.5	8170.0	7928.3	7900.3	7818.2	8116.0
42.5°	9738.8	9682.7	9369.8	9281.3	9171.3	9097.9	8953.3	8957.6	8776.4	9011.6
45°	10265.4	10233.0	9911.5	9859.7	9978.4	9948.1	10073.3	10105.7	9753.9	9950.3
47.5°	10830.7	10800.5	10528.6	10491.9	10813.5	10822.1	11264.5	11275.3	10707.7	10925.7
50°	11527.8	11484.6	11214.9	11260.2	11620.6	11652.9	12462.2	12388.8	11586.0	11916.2
52.5°	11987.4	12013.3	11955.0	12028.4	12520.4	12550.6	13640.4	13452.7	12455.7	12893.7
55°	12326.2	12378.0	12559.3	12727.6	13469.9	13500.1	14751.7	14464.7	13176.4	13800.1
57.5°	12762.1	12688.7	13027.5	13355.5	14371.9	14451.8	15832.9	15440.1	13815.2	14581.3
60°	13387.9	13336.1	13599.4	14084.9	15381.9	15509.2	16976.6	16318.4	14283.5	15200.6
62.5°	14656.8	14527.3	14568.3	14997.7	16655.0	16823.4	18267.0	17084.5	14516.5	15442.3
65°	16553.6	16331.4	16124.2	16422.0	18448.3	18614.5	19723.7	17686.5	14430.2	14974.0
67.5°	18942.5	18722.4	18467.7	18748.3	21089.6	21221.3	21521.2	18025.3	13750.4	13170.0
70°	20912.7	20830.7	21134.9	22289.5	25308.4	25312.7	23825.9	17744.8	11888.1	9337.4
72.5°	20651.6	20601.9	22205.3	25774.5	30625.6	30511.2	26007.6	15621.4	8008.1	4212.3
75°	16942.1	17263.6	19747.4	25712.0	32535.4	32520.3	24671.8	9930.9	3312.5	1745.8
77.5°	9085.0	9594.2	12820.4	18983.5	25399.1	25781.0	17345.6	3474.3	1422.1	1117.8
80°	2962.9	3407.4	5110.0	9665.5	16504.0	16432.8	7434.1	1363.8	973.2	792.0
82.5°	1258.1	1309.9	2283.1	4564.1	8469.9	8338.3	2367.3	783.3	684.1	541.6
85°	492.0	550.3	1007.8	2110.5	3668.5	3588.7	854.5	388.4	438.1	353.9
87.5°	161.8	196.4	360.4	722.9	1141.6	1100.6	209.3	133.8	189.9	161.8
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°
5319.3	0°	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3	5319.3
5334.4	2.5°	5364.7	5399.2	5440.2	5500.6	5552.4	5595.6	5640.9	5668.9	5679.7	5712.1
5343.1	5°	5403.5	5479.0	5580.5	5679.7	5776.8	5835.1	5886.9	5912.8	5936.5	5953.8
5366.8	7.5°	5468.2	5565.3	5725.0	5854.5	5936.5	5984.0	6018.5	6009.9	6018.5	6022.8
5392.7	10°	5524.3	5660.3	5850.2	5973.2	6035.8	6037.9	6029.3	5999.1	5984.0	5986.1
5431.6	12.5°	5591.2	5742.3	5947.3	6050.9	6068.2	6020.7	5984.0	5932.2	5912.8	5904.1
5489.8	15°	5681.9	5854.5	6053.0	6091.9	6048.7	5988.3	5925.7	5841.6	5798.4	5763.9
5589.1	17.5°	5791.9	5981.8	6135.0	6107.0	6014.2	5914.9	5813.5	5686.2	5597.7	5561.0
5725.0	20°	5945.1	6115.6	6197.6	6074.6	5934.4	5783.3	5610.7	5455.3	5373.3	5336.6
5897.7	22.5°	6130.7	6294.7	6258.1	6018.5	5820.0	5578.3	5362.5	5248.1	5207.1	5181.2
6119.9	25°	6353.0	6493.3	6301.2	5936.5	5632.2	5306.4	5140.2	5103.5	5084.1	5064.7
6391.8	27.5°	6642.2	6717.7	6333.6	5815.7	5338.8	5017.2	4956.8	4963.3	4956.8	4924.4
6769.5	30°	7024.1	7009.0	6363.8	5619.3	5002.1	4756.1	4760.4	4788.5	4792.8	4771.2
7296.0	32.5°	7526.9	7373.7	6378.9	5364.7	4680.6	4527.4	4531.7	4561.9	4583.5	4546.8
7984.4	35°	8135.5	7798.8	6355.2	5045.3	4432.4	4309.4	4277.1	4285.7	4292.2	4257.6
8819.5	37.5°	8845.4	8275.7	6249.4	4691.4	4227.4	4095.8	4026.7	3968.5	3933.9	3901.6
9764.7	40°	9624.5	8795.8	6055.2	4346.1	3998.7	3869.2	3765.6	3655.6	3539.0	3495.9
10766.0	42.5°	10440.2	9331.0	5820.0	4015.9	3735.4	3629.7	3519.6	3359.9	3185.1	3096.7
11806.1	45°	11286.1	9879.1	5589.1	3690.1	3465.7	3420.3	3293.0	3101.0	2911.1	2798.9
12848.4	47.5°	12114.7	10397.0	5250.3	3362.1	3213.2	3262.8	3163.6	2986.6	2775.1	2598.2
13882.1	50°	12906.7	10882.5	4695.7	3029.8	3008.2	3215.3	3120.4	2865.8	2624.1	2397.5
14896.3	52.5°	13692.2	11275.3	3985.7	2727.6	2898.1	3202.4	3064.3	2783.8	2488.1	2250.7
15850.1	55°	14359.0	11478.1	3301.7	2468.7	2738.4	3092.3	2997.4	2686.6	2296.1	2043.6
16504.0	57.5°	14738.8	11314.1	2732.0	2214.1	2518.3	2911.1	2883.0	2479.5	2067.3	1873.1
16631.3	60°	14574.8	10649.5	2265.8	1991.8	2309.0	2714.7	2684.5	2274.5	1892.5	1709.1
15949.4	62.5°	13670.6	9382.8	1896.8	1797.6	2119.1	2514.0	2486.0	2116.9	1758.7	1581.8
14138.9	65°	11849.3	7632.7	1609.8	1635.7	1927.0	2272.3	2313.3	1985.3	1653.0	1480.4
10938.6	67.5°	9037.5	5528.7	1385.4	1495.5	1739.3	2034.9	2153.6	1890.4	1564.5	1400.5
6329.3	70°	5151.0	3139.8	1195.5	1359.5	1573.1	1814.8	2030.6	1814.8	1469.6	1333.6
2371.6	72.5°	1952.9	1441.5	1033.7	1223.6	1413.5	1629.3	1894.7	1696.1	1359.5	1258.1
1225.7	75°	1042.3	878.3	869.7	1063.9	1230.0	1448.0	1724.2	1579.6	1277.5	1329.3
848.1	77.5°	710.0	621.5	727.2	910.7	1029.3	1247.3	1542.9	1402.7	1107.0	1102.7
587.0	80°	492.0	440.2	591.3	733.7	796.3	1048.8	1346.6	1204.1	902.0	841.6
362.5	82.5°	295.6	287.0	442.4	548.1	563.2	809.2	1115.7	1009.9	738.0	643.1
215.8	85°	161.8	170.5	282.7	321.5	328.0	565.4	874.0	781.2	567.5	476.9
77.7	87.5°	45.3	58.3	103.6	127.3	157.5	293.5	520.1	464.0	284.8	198.5
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°
5319.3
5709.9
5958.1
6029.3
5990.5
5899.8
5774.7
5563.2
5332.3
5185.6
5064.7
4930.9
4782.0
4564.1
4281.4
3923.2
3515.3
3107.4
2790.2
2578.7
2378.1
2224.8
2022.0
1847.2
1683.2
1553.7
1452.3
1374.6
1316.3
1240.8
1372.5
1016.4
804.9
647.4
481.2
198.5
0.0

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