

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: P853037

Luminaire Tested: **GLAN-SB8B-727-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853037
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-SB8B-727-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40023 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

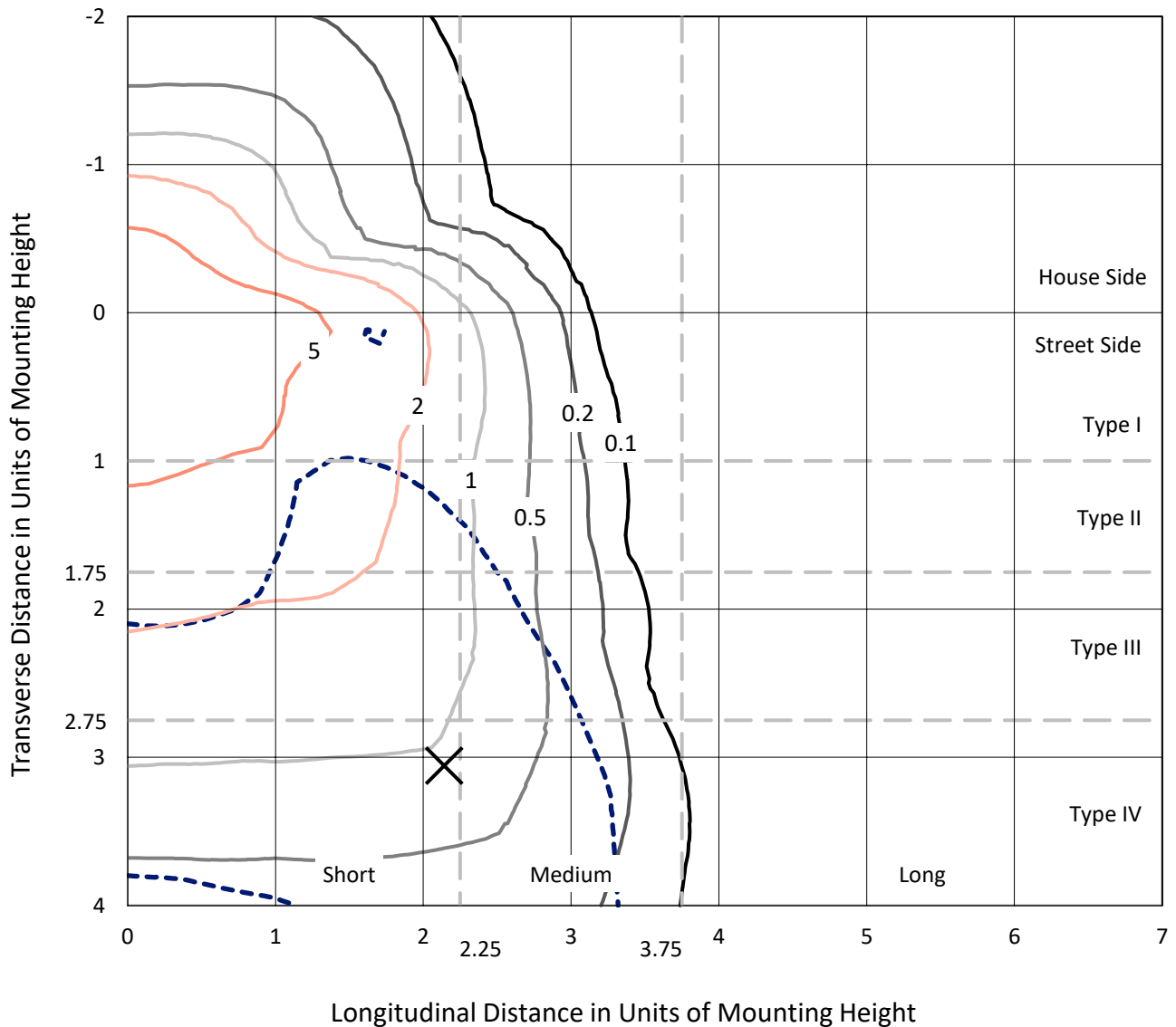
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

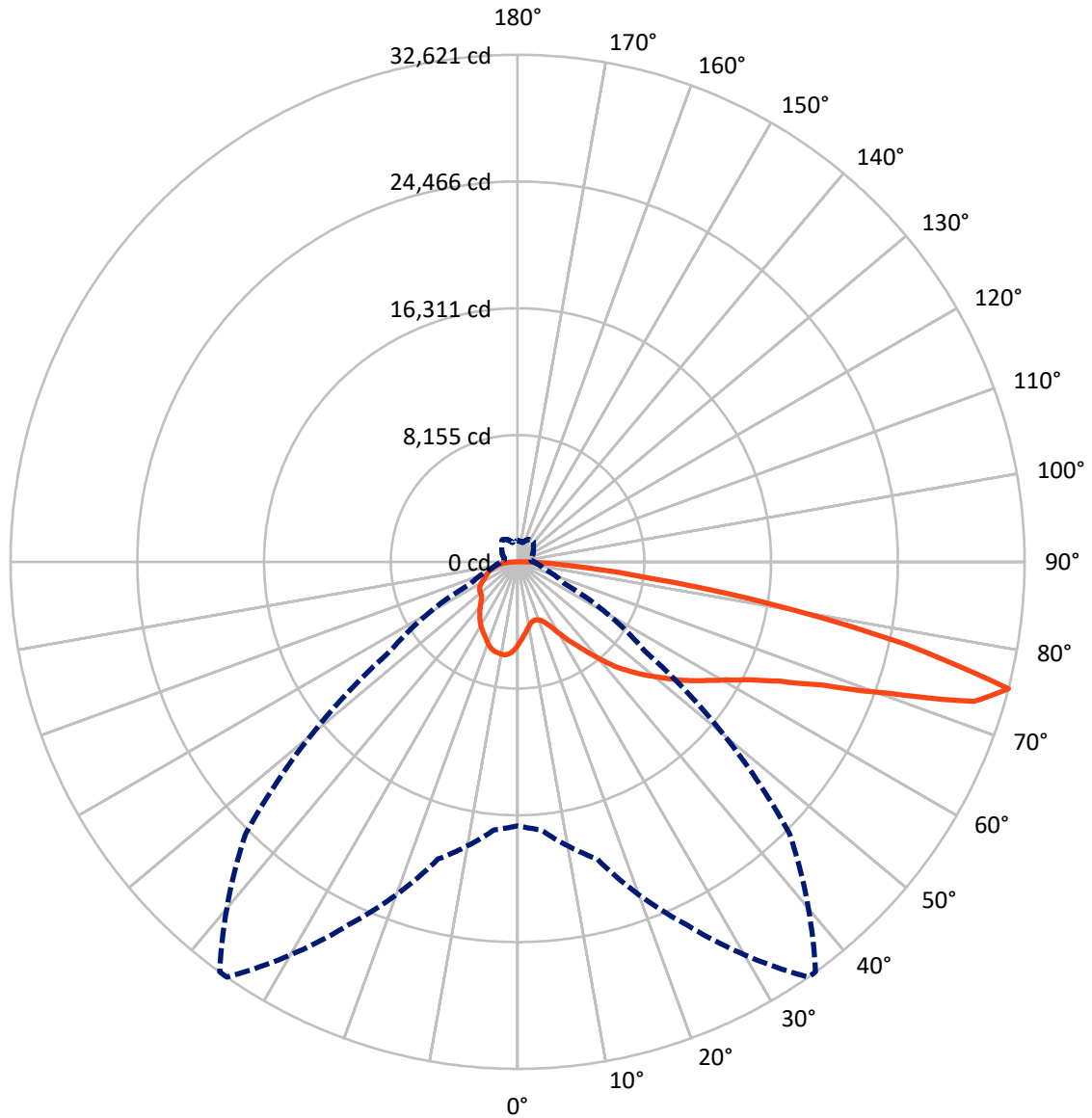
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	9524.5	0.0	9524.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	30498.5	0.0	30498.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	40023.0	0.0	40023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.0	1.3
10°-20°	1456.5	3.6
20°-30°	2445.9	6.1
30°-40°	3801.2	9.5
40°-50°	5642.1	14.1
50°-60°	7789.2	19.5
60°-70°	9450.1	23.6
70°-80°	7809.8	19.5
80°-90°	1123.3	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°	40023.0	100.0
0°-180°	40023.0	100.0

Coefficient of Utilization

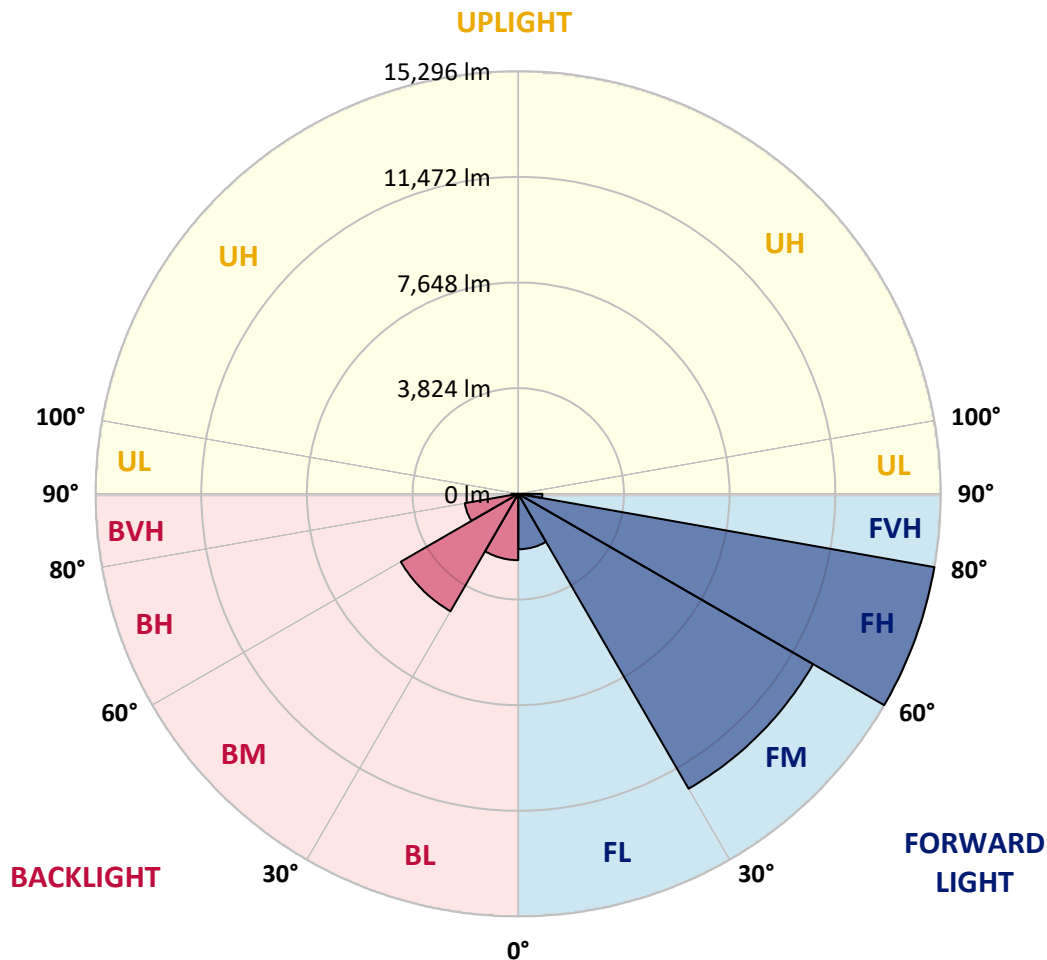


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2007.1	5.0			
FM (30°-60°)	12324.9	30.8			
FH (60°-80°)	15296.2	38.2			G5
FVH (80°-90°)	870.3	2.2			G5
BL (0°-30°)	2400.3	6.0	B3/2500		
BM (30°-60°)	4907.6	12.3	B3/5000		
BH (60°-80°)	1963.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	252.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3
2.5°	4917.9	4948.2	4961.2	4954.7	4987.2	4982.8	5028.3	5084.5	5162.4	5238.1
5°	4539.3	4571.7	4599.9	4625.8	4688.6	4708.0	4779.4	4887.6	5030.4	5175.4
7.5°	4186.6	4214.7	4258.0	4305.6	4411.6	4431.1	4550.1	4718.9	4917.9	5130.0
10°	3898.9	3927.0	3972.4	4026.5	4158.5	4182.3	4333.7	4558.8	4818.4	5086.7
12.5°	3775.5	3784.2	3810.1	3864.2	3978.9	3994.1	4160.7	4418.1	4721.0	5054.2
15°	3769.0	3786.3	3788.5	3816.6	3911.8	3918.3	4071.9	4327.2	4660.4	5047.7
17.5°	3833.9	3846.9	3827.5	3844.8	3924.8	3935.6	4056.8	4284.0	4641.0	5075.9
20°	4007.0	4017.9	3959.4	3935.6	3994.1	4002.7	4121.7	4312.1	4660.4	5134.3
22.5°	4374.8	4381.3	4238.5	4141.2	4145.5	4149.8	4253.7	4426.8	4736.2	5240.3
25°	4948.2	4943.9	4716.7	4528.5	4420.3	4396.5	4465.7	4612.8	4863.8	5380.9
27.5°	5618.9	5586.5	5359.3	5078.0	4842.2	4807.6	4792.4	4855.2	5045.6	5567.0
30°	6376.2	6345.9	6101.4	5733.6	5406.9	5350.6	5207.8	5175.4	5316.0	5820.2
32.5°	7207.0	7187.6	6895.5	6449.8	6012.7	5947.8	5707.6	5621.1	5731.4	6203.1
35°	7903.7	7886.4	7644.1	7185.4	6651.0	6570.9	6326.4	6229.1	6285.3	6694.3
37.5°	8533.3	8524.7	8317.0	7955.6	7403.9	7306.6	7031.8	6999.3	6988.5	7341.2
40°	9117.5	9095.9	8879.5	8689.1	8280.2	8191.5	7949.2	7921.0	7838.8	8137.4
42.5°	9764.4	9708.2	9394.5	9305.8	9195.4	9121.8	8976.9	8981.2	8799.5	9035.3
45°	10292.4	10259.9	9937.5	9885.6	10004.6	9974.3	10099.8	10132.3	9779.6	9976.5
47.5°	10859.2	10828.9	10556.3	10519.5	10841.9	10850.6	11294.1	11304.9	10735.9	10954.4
50°	11558.1	11514.8	11244.4	11289.8	11651.1	11683.6	12494.9	12421.4	11616.5	11947.5
52.5°	12018.9	12044.9	11986.5	12060.0	12553.4	12583.6	13676.3	13488.0	12488.4	12927.7
55°	12358.6	12410.6	12592.3	12761.1	13505.3	13535.6	14790.5	14502.8	13211.1	13836.4
57.5°	12795.7	12722.1	13061.8	13390.7	14409.7	14489.8	15874.5	15480.7	13851.5	14619.6
60°	13423.1	13371.2	13635.2	14122.0	15422.3	15550.0	17021.2	16361.3	14321.0	15240.6
62.5°	14695.3	14565.5	14606.6	15037.2	16698.9	16867.6	18315.1	17129.4	14554.7	15482.9
65°	16597.2	16374.3	16166.6	16465.2	18496.8	18663.4	19775.5	17733.1	14468.2	15013.4
67.5°	18992.3	18771.6	18516.3	18797.6	21145.1	21277.1	21577.8	18072.8	13786.6	13204.6
70°	20967.7	20885.5	21190.5	22348.1	25375.0	25379.3	23888.6	17791.5	11919.4	9362.0
72.5°	20705.9	20656.1	22263.7	25842.3	30706.2	30591.5	26076.0	15662.5	8029.2	4223.4
75°	16986.6	17309.0	19799.3	25779.6	32621.0	32605.8	24736.7	9957.0	3321.2	1750.4
77.5°	9108.9	9619.5	12854.1	19033.4	25465.9	25848.8	17391.2	3483.4	1425.8	1120.8
80°	2970.7	3416.4	5123.5	9690.9	16547.4	16476.0	7453.7	1367.4	975.8	794.1
82.5°	1261.4	1313.3	2289.1	4576.1	8492.2	8360.2	2373.5	785.4	685.9	543.1
85°	493.3	551.7	1010.4	2116.0	3678.2	3598.1	856.8	389.5	439.2	354.8
87.5°	162.3	196.9	361.3	724.8	1144.6	1103.4	209.9	134.1	190.4	162.3
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°
5333.3	0°	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3	5333.3
5348.5	2.5°	5378.8	5413.4	5454.5	5515.1	5567.0	5610.3	5655.7	5683.8	5694.7	5727.1
5357.1	5°	5417.7	5493.4	5595.1	5694.7	5792.0	5850.4	5902.4	5928.3	5952.1	5969.4
5380.9	7.5°	5482.6	5580.0	5740.1	5869.9	5952.1	5999.7	6034.3	6025.7	6034.3	6038.7
5406.9	10°	5538.9	5675.2	5865.6	5988.9	6051.7	6053.8	6045.2	6014.9	5999.7	6001.9
5445.8	12.5°	5606.0	5757.4	5963.0	6066.8	6084.1	6036.5	5999.7	5947.8	5928.3	5919.7
5504.3	15°	5696.8	5869.9	6069.0	6107.9	6064.6	6004.1	5941.3	5856.9	5813.7	5779.0
5603.8	17.5°	5807.2	5997.6	6151.2	6123.1	6030.0	5930.5	5828.8	5701.2	5612.4	5575.7
5740.1	20°	5960.8	6131.7	6213.9	6090.6	5950.0	5798.5	5625.4	5469.6	5387.4	5350.6
5913.2	22.5°	6146.9	6311.3	6274.5	6034.3	5835.3	5593.0	5376.6	5261.9	5220.8	5194.9
6136.0	25°	6369.7	6510.3	6317.8	5952.1	5647.1	5320.4	5153.8	5117.0	5097.5	5078.0
6408.7	27.5°	6659.6	6735.4	6350.2	5831.0	5352.8	5030.4	4969.8	4976.3	4969.8	4937.4
6787.3	30°	7042.6	7027.5	6380.5	5634.1	5015.3	4768.6	4773.0	4801.1	4805.4	4783.8
7315.2	32.5°	7546.7	7393.1	6395.7	5378.8	4692.9	4539.3	4543.6	4573.9	4595.5	4558.8
8005.4	35°	8156.9	7819.3	6371.9	5058.6	4444.1	4320.8	4288.3	4297.0	4303.5	4268.8
8842.7	37.5°	8868.7	8297.5	6265.9	4703.7	4238.5	4106.6	4037.3	3978.9	3944.3	3911.8
9790.4	40°	9649.8	8818.9	6071.1	4357.5	4009.2	3879.4	3775.5	3665.2	3548.3	3505.1
10794.3	42.5°	10467.6	9355.5	5835.3	4026.5	3745.2	3639.2	3528.9	3368.8	3193.5	3104.8
11837.2	45°	11315.8	9905.1	5603.8	3699.8	3474.8	3429.3	3301.7	3109.1	2918.7	2806.2
12882.2	47.5°	12146.6	10424.3	5264.1	3370.9	3221.6	3271.4	3171.9	2994.5	2782.4	2605.0
13918.6	50°	12940.6	10911.2	4708.0	3037.7	3016.1	3223.8	3128.6	2873.3	2631.0	2403.8
14935.5	52.5°	13728.2	11304.9	3996.2	2734.8	2905.7	3210.8	3072.3	2791.1	2494.7	2256.7
15891.8	55°	14396.8	11508.3	3310.3	2475.2	2745.6	3100.5	3005.3	2693.7	2302.1	2049.0
16547.4	57.5°	14777.6	11343.9	2739.1	2219.9	2525.0	2918.7	2890.6	2486.0	2072.8	1878.0
16675.1	60°	14613.1	10677.5	2271.8	1997.0	2315.1	2721.8	2691.5	2280.5	1897.5	1713.6
15991.4	62.5°	13706.6	9407.4	1901.8	1802.3	2124.7	2520.6	2492.5	2122.5	1763.4	1585.9
14176.1	65°	11880.5	7652.7	1614.1	1640.0	1932.1	2278.3	2319.4	1990.5	1657.3	1484.2
10967.4	67.5°	9061.3	5543.2	1389.0	1499.4	1743.9	2040.3	2159.3	1895.3	1568.6	1404.2
6345.9	70°	5164.6	3148.1	1198.6	1363.1	1577.3	1819.6	2036.0	1819.6	1473.4	1337.1
2377.8	72.5°	1958.1	1445.3	1036.4	1226.8	1417.2	1633.5	1899.7	1700.6	1363.1	1261.4
1228.9	75°	1045.0	880.6	871.9	1066.7	1233.3	1451.8	1728.7	1583.8	1280.9	1332.8
850.3	77.5°	711.8	623.1	729.1	913.0	1032.0	1250.6	1547.0	1406.4	1109.9	1105.6
588.5	80°	493.3	441.4	592.8	735.6	798.4	1051.5	1350.1	1207.3	904.4	843.8
363.5	82.5°	296.4	287.8	443.5	549.6	564.7	811.4	1118.6	1012.6	740.0	644.8
216.4	85°	162.3	170.9	283.4	322.4	328.9	566.9	876.3	783.2	569.0	478.2
77.9	87.5°	45.4	58.4	103.9	127.7	157.9	294.3	521.4	465.2	285.6	199.1
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°
5333.3
5725.0
5973.8
6045.2
6006.2
5915.4
5789.9
5577.8
5346.3
5199.2
5078.0
4943.9
4794.6
4576.1
4292.6
3933.5
3524.5
3115.6
2797.6
2585.5
2384.3
2230.7
2027.3
1852.1
1687.6
1557.8
1456.1
1378.2
1319.8
1244.1
1376.1
1019.1
807.0
649.1
482.5
199.1
0.0

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