

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: P852565

Luminaire Tested: **GLAN-SB4D-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852565
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-SB4D-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39556 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

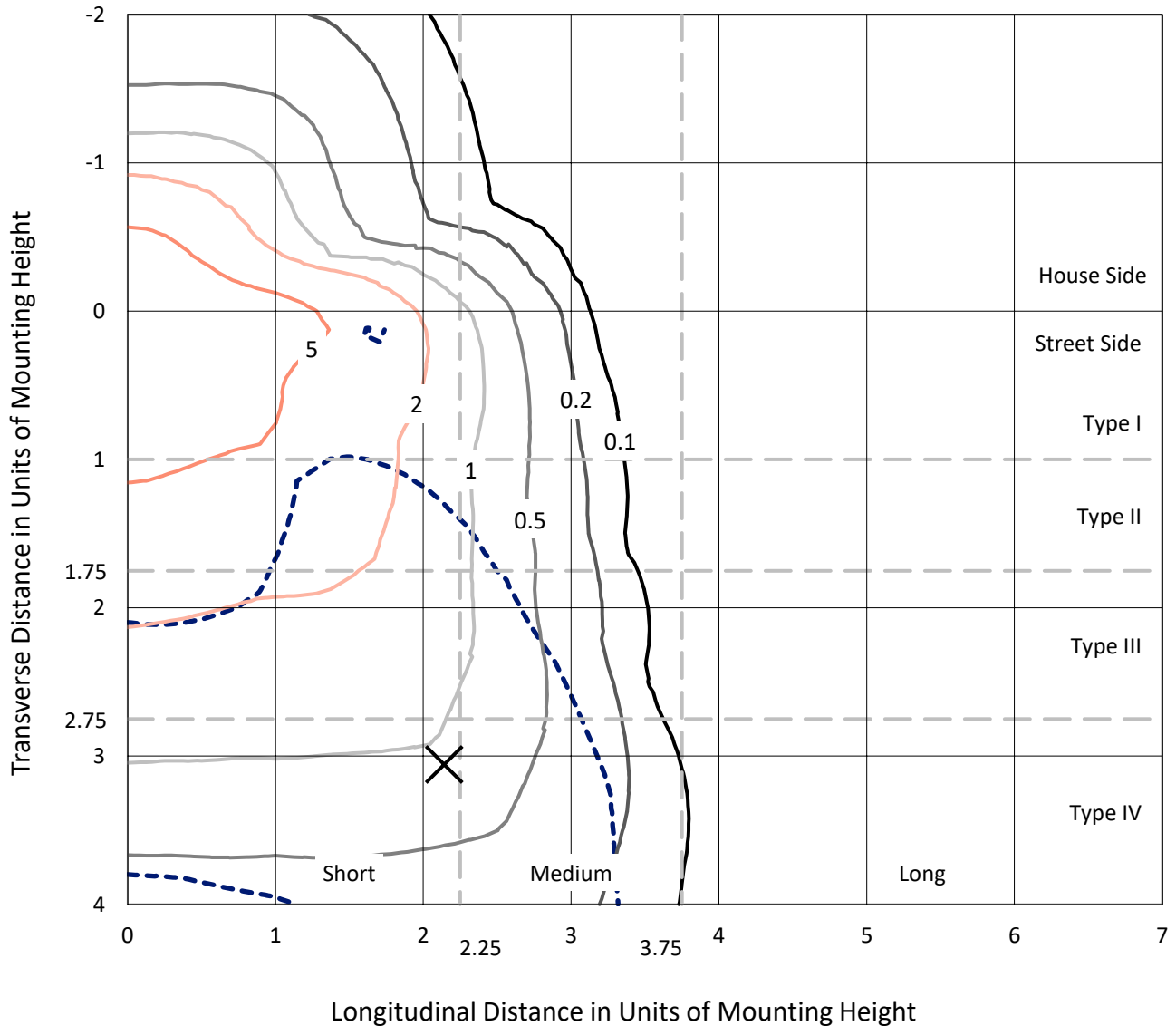
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

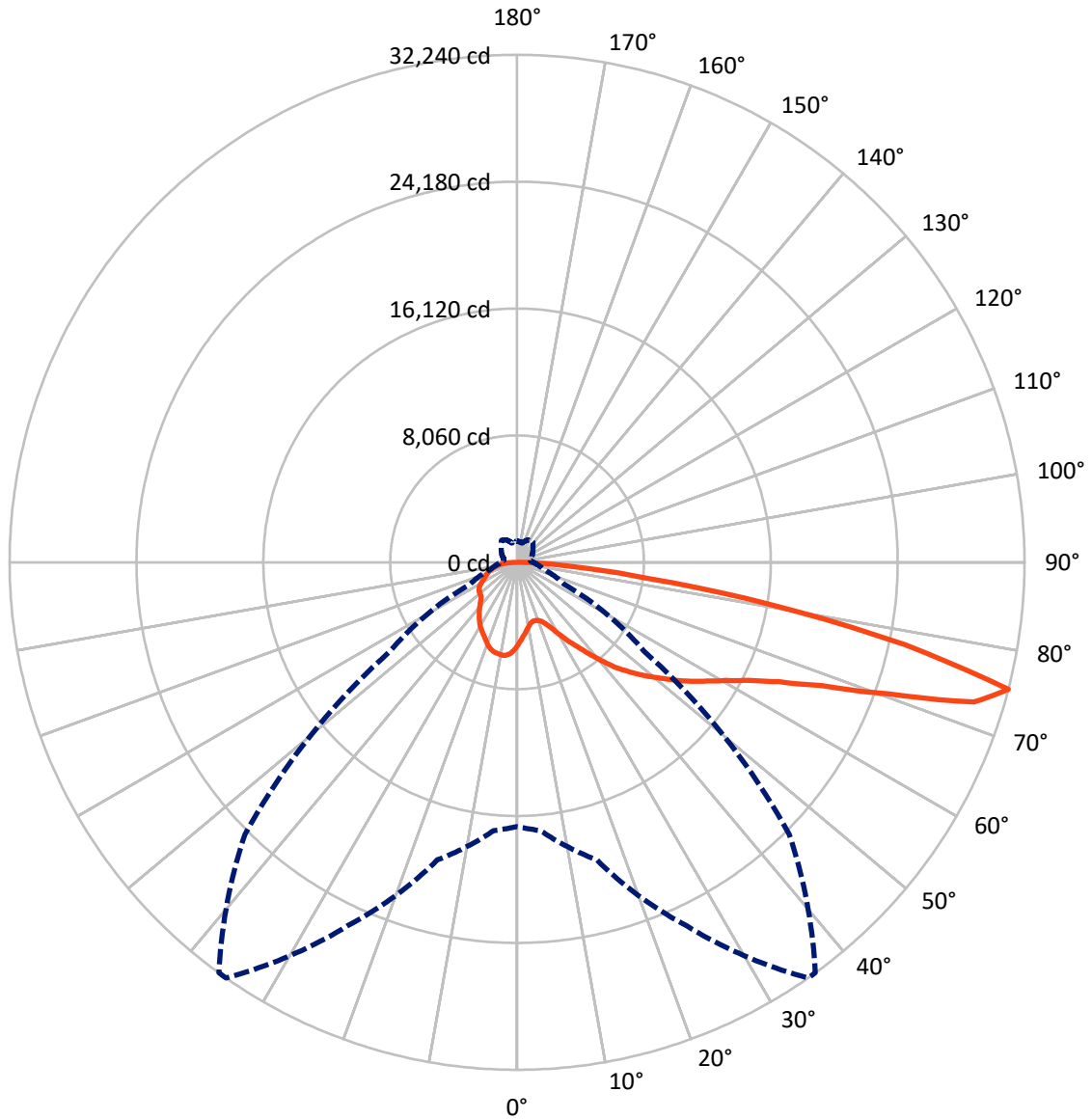
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	9413.3	0.0	9413.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	30142.7	0.0	30142.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	39556.0	0.0	39556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.1	1.3
10°-20°	1439.5	3.6
20°-30°	2417.3	6.1
30°-40°	3756.9	9.5
40°-50°	5576.2	14.1
50°-60°	7698.3	19.5
60°-70°	9339.8	23.6
70°-80°	7718.6	19.5
80°-90°	1110.2	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°	39556.0	100.0
0°-180°	39556.0	100.0

Coefficient of Utilization



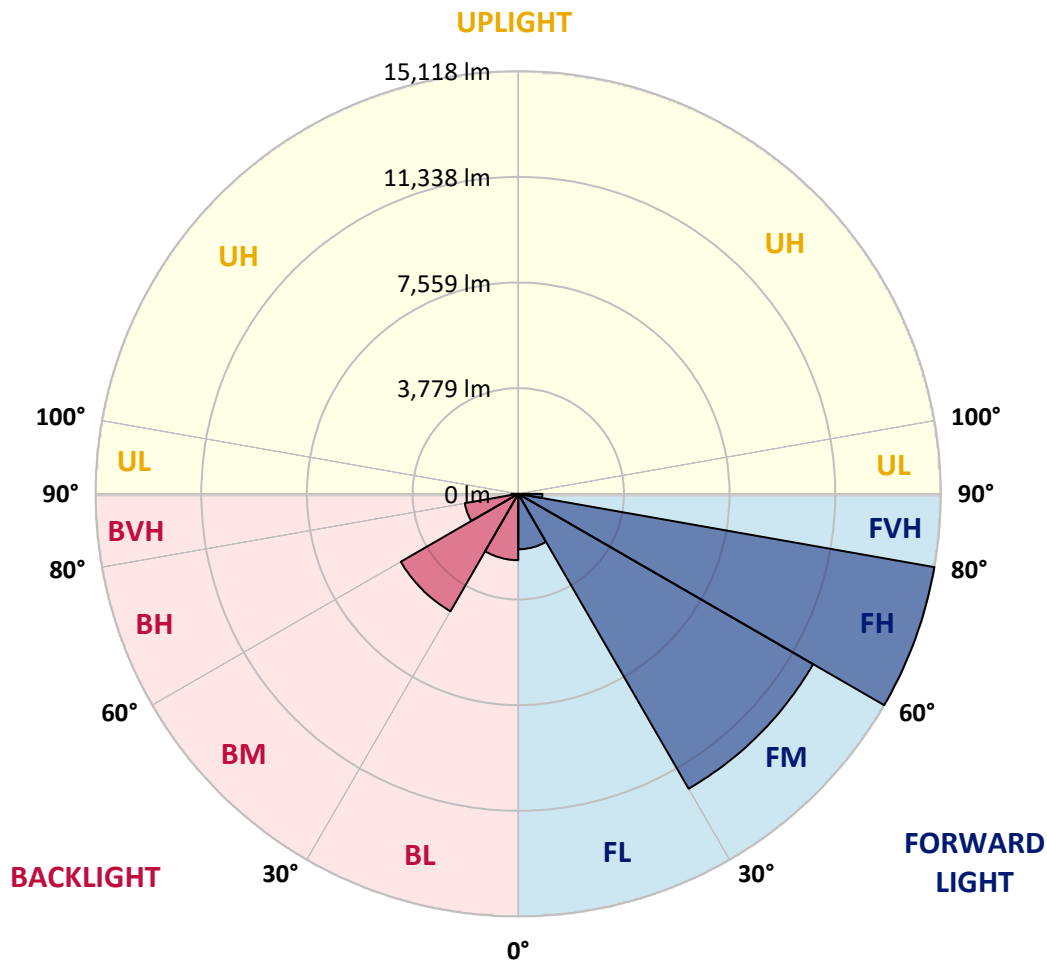
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1983.7	5.0			
FM (30°-60°)	12181.1	30.8			
FH (60°-80°)	15117.7	38.2			G5
FVH (80°-90°)	860.2	2.2			G5
BL (0°-30°)	2372.3	6.0	B3/2500		
BM (30°-60°)	4850.3	12.3	B3/5000		
BH (60°-80°)	1940.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	250.0	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°	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1
2.5°	4860.5	4890.5	4903.3	4896.9	4929.0	4924.7	4969.6	5025.2	5102.2	5177.0
5°	4486.3	4518.4	4546.2	4571.9	4633.9	4653.1	4723.7	4830.6	4971.7	5115.0
7.5°	4137.8	4165.6	4208.3	4255.4	4360.2	4379.4	4497.0	4663.8	4860.5	5070.1
10°	3853.4	3881.2	3926.1	3979.5	4110.0	4133.5	4283.2	4505.6	4762.2	5027.3
12.5°	3731.5	3740.0	3765.7	3819.1	3932.5	3947.4	4112.1	4366.6	4665.9	4995.3
15°	3725.1	3742.2	3744.3	3772.1	3866.2	3872.6	4024.4	4276.8	4606.1	4988.8
17.5°	3789.2	3802.0	3782.8	3799.9	3879.0	3889.7	4009.5	4234.0	4586.8	5016.6
20°	3960.3	3971.0	3913.2	3889.7	3947.4	3956.0	4073.6	4261.8	4606.1	5074.4
22.5°	4323.8	4330.2	4189.1	4092.9	4097.1	4101.4	4204.1	4375.1	4680.9	5179.2
25°	4890.5	4886.2	4661.7	4475.6	4368.7	4345.2	4413.6	4559.0	4807.1	5318.1
27.5°	5553.4	5521.3	5296.8	5018.8	4785.7	4751.5	4736.5	4798.5	4986.7	5502.0
30°	6301.8	6271.9	6030.2	5666.7	5343.8	5288.2	5147.1	5115.0	5254.0	5752.2
32.5°	7122.9	7103.7	6815.0	6374.5	5942.6	5878.4	5641.0	5555.5	5664.6	6130.7
35°	7811.5	7794.4	7554.9	7101.6	6573.4	6494.3	6252.6	6156.4	6212.0	6616.1
37.5°	8433.8	8425.2	8219.9	7862.8	7317.5	7221.3	6949.7	6917.7	6907.0	7255.5
40°	9011.1	8989.7	8775.9	8587.7	8183.6	8095.9	7856.4	7828.6	7747.3	8042.4
42.5°	9650.5	9594.9	9284.8	9197.2	9088.1	9015.4	8872.1	8876.4	8696.8	8929.9
45°	10172.3	10140.2	9821.6	9770.3	9887.9	9857.9	9982.0	10014.0	9665.5	9860.1
47.5°	10732.5	10702.6	10433.2	10396.8	10715.4	10724.0	11162.3	11173.0	10610.6	10826.6
50°	11423.2	11380.5	11113.2	11158.1	11515.2	11547.2	12349.1	12276.4	11481.0	11808.1
52.5°	11878.7	11904.4	11846.6	11919.3	12406.9	12436.8	13516.7	13330.7	12342.7	12776.8
55°	12214.4	12265.7	12445.4	12612.2	13347.8	13377.7	14618.0	14333.6	13056.9	13674.9
57.5°	12646.4	12573.7	12909.4	13234.4	14241.6	14320.7	15689.3	15300.1	13689.9	14449.0
60°	13266.5	13215.2	13476.1	13957.2	15242.4	15368.5	16822.6	16170.4	14153.9	15062.7
62.5°	14523.9	14395.6	14436.2	14861.7	16504.0	16670.8	18101.4	16929.5	14384.9	15302.2
65°	16403.5	16183.3	15978.0	16273.1	18281.0	18445.7	19544.8	17526.2	14299.3	14838.2
67.5°	18770.7	18552.6	18300.2	18578.2	20898.4	21028.8	21326.1	17861.9	13625.8	13050.5
70°	20723.0	20641.8	20943.3	22087.3	25078.9	25083.2	23609.8	17583.9	11780.3	9252.8
72.5°	20464.3	20415.1	22003.9	25540.8	30347.9	30234.5	25771.7	15479.7	7935.5	4174.1
75°	16788.4	17107.0	19568.3	25478.8	32240.3	32225.4	24448.1	9840.8	3282.4	1729.9
77.5°	9002.6	9507.2	12704.1	18811.3	25168.7	25547.2	17188.3	3442.8	1409.2	1107.7
80°	2936.0	3376.5	5063.7	9577.8	16354.3	16283.8	7366.7	1351.5	964.4	784.8
82.5°	1246.7	1298.0	2262.4	4522.7	8393.1	8262.7	2345.8	776.2	677.9	536.7
85°	487.6	545.3	998.6	2091.3	3635.2	3556.1	846.8	384.9	434.1	350.7
87.5°	160.4	194.6	357.1	716.4	1131.2	1090.6	207.4	132.6	188.2	160.4
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°
5271.1	0°	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1	5271.1
5286.1	2.5°	5316.0	5350.2	5390.9	5450.7	5502.0	5544.8	5589.7	5617.5	5628.2	5660.3
5294.6	5°	5354.5	5429.3	5529.8	5628.2	5724.4	5782.2	5833.5	5859.2	5882.7	5899.8
5318.1	7.5°	5418.7	5514.9	5673.1	5801.4	5882.7	5929.7	5963.9	5955.4	5963.9	5968.2
5343.8	10°	5474.3	5609.0	5797.1	5919.0	5981.0	5983.2	5974.6	5944.7	5929.7	5931.9
5382.3	12.5°	5540.5	5690.2	5893.4	5996.0	6013.1	5966.1	5929.7	5878.4	5859.2	5850.6
5440.0	15°	5630.4	5801.4	5998.2	6036.6	5993.9	5934.0	5872.0	5788.6	5745.8	5711.6
5538.4	17.5°	5739.4	5927.6	6079.4	6051.6	5959.7	5861.3	5760.8	5634.6	5547.0	5510.6
5673.1	20°	5891.2	6060.2	6141.4	6019.5	5880.5	5730.9	5559.8	5405.8	5324.6	5288.2
5844.2	22.5°	6075.1	6237.7	6201.3	5963.9	5767.2	5527.7	5313.9	5200.5	5159.9	5134.2
6064.4	25°	6295.4	6434.4	6244.1	5882.7	5581.2	5258.3	5093.6	5057.3	5038.0	5018.8
6333.9	27.5°	6581.9	6656.8	6276.1	5762.9	5290.3	4971.7	4911.9	4918.3	4911.9	4879.8
6708.1	30°	6960.4	6945.5	6306.1	5568.3	4956.8	4713.0	4717.3	4745.1	4749.3	4728.0
7229.9	32.5°	7458.7	7306.8	6321.0	5316.0	4638.1	4486.3	4490.6	4520.5	4541.9	4505.6
7912.0	35°	8061.7	7728.1	6297.5	4999.5	4392.2	4270.3	4238.3	4246.8	4253.2	4219.0
8739.6	37.5°	8765.2	8200.7	6192.7	4648.8	4189.1	4058.6	3990.2	3932.5	3898.3	3866.2
9676.2	40°	9537.2	8716.0	6000.3	4306.7	3962.4	3834.1	3731.5	3622.4	3506.9	3464.2
10668.4	42.5°	10345.5	9246.4	5767.2	3979.5	3701.5	3596.8	3487.7	3329.5	3156.2	3068.6
11699.1	45°	11183.7	9789.5	5538.4	3656.6	3434.2	3389.3	3263.2	3072.9	2884.7	2773.5
12731.9	47.5°	12004.9	10302.7	5202.7	3331.6	3184.0	3233.2	3134.9	2959.5	2750.0	2574.6
13756.2	50°	12789.6	10783.8	4653.1	3002.3	2980.9	3186.2	3092.1	2839.8	2600.3	2375.7
14761.2	52.5°	13568.0	11173.0	3949.6	2702.9	2871.8	3173.4	3036.5	2758.5	2465.6	2230.3
15706.4	55°	14228.8	11374.0	3271.7	2446.3	2713.6	3064.3	2970.2	2662.3	2275.2	2025.0
16354.3	57.5°	14605.1	11211.5	2707.2	2194.0	2495.5	2884.7	2856.9	2457.0	2048.6	1856.1
16480.5	60°	14442.6	10552.9	2245.3	1973.7	2288.1	2690.1	2660.1	2253.9	1875.4	1693.6
15804.8	62.5°	13546.6	9297.7	1879.6	1781.3	2099.9	2491.2	2463.4	2097.7	1742.8	1567.4
14010.7	65°	11741.8	7563.4	1595.2	1620.9	1909.6	2251.7	2292.3	1967.3	1638.0	1466.9
10839.4	67.5°	8955.5	5478.5	1372.8	1481.9	1723.5	2016.5	2134.1	1873.2	1550.3	1387.8
6271.9	70°	5104.3	3111.3	1184.7	1347.2	1558.9	1798.4	2012.2	1798.4	1456.2	1321.5
2350.1	72.5°	1935.2	1428.4	1024.3	1212.5	1400.6	1614.5	1877.5	1680.8	1347.2	1246.7
1214.6	75°	1032.8	870.3	861.8	1054.2	1218.9	1434.9	1708.6	1565.3	1265.9	1317.2
840.4	77.5°	703.5	615.9	720.6	902.4	1020.0	1236.0	1528.9	1389.9	1097.0	1092.7
581.6	80°	487.6	436.2	585.9	727.0	789.1	1039.3	1334.3	1193.2	893.8	834.0
359.2	82.5°	293.0	284.4	438.4	543.1	558.1	801.9	1105.5	1000.8	731.3	637.2
213.8	85°	160.4	168.9	280.1	318.6	325.0	560.3	866.0	774.1	562.4	472.6
77.0	87.5°	44.9	57.7	102.6	126.2	156.1	290.8	515.3	459.8	282.3	196.7
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°
5271.1
5658.2
5904.1
5974.6
5936.1
5846.3
5722.3
5512.7
5283.9
5138.5
5018.8
4886.2
4738.6
4522.7
4242.5
3887.6
3483.4
3079.3
2764.9
2555.4
2356.5
2204.7
2003.7
1830.5
1667.9
1539.6
1439.1
1362.1
1304.4
1229.6
1360.0
1007.2
797.6
641.5
476.9
196.7
0.0

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