

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: P853053

Luminaire Tested: **GLAN-SB8B-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853053
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-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37262 lumens
Efficiency: N/A
Efficacy: 127.3 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

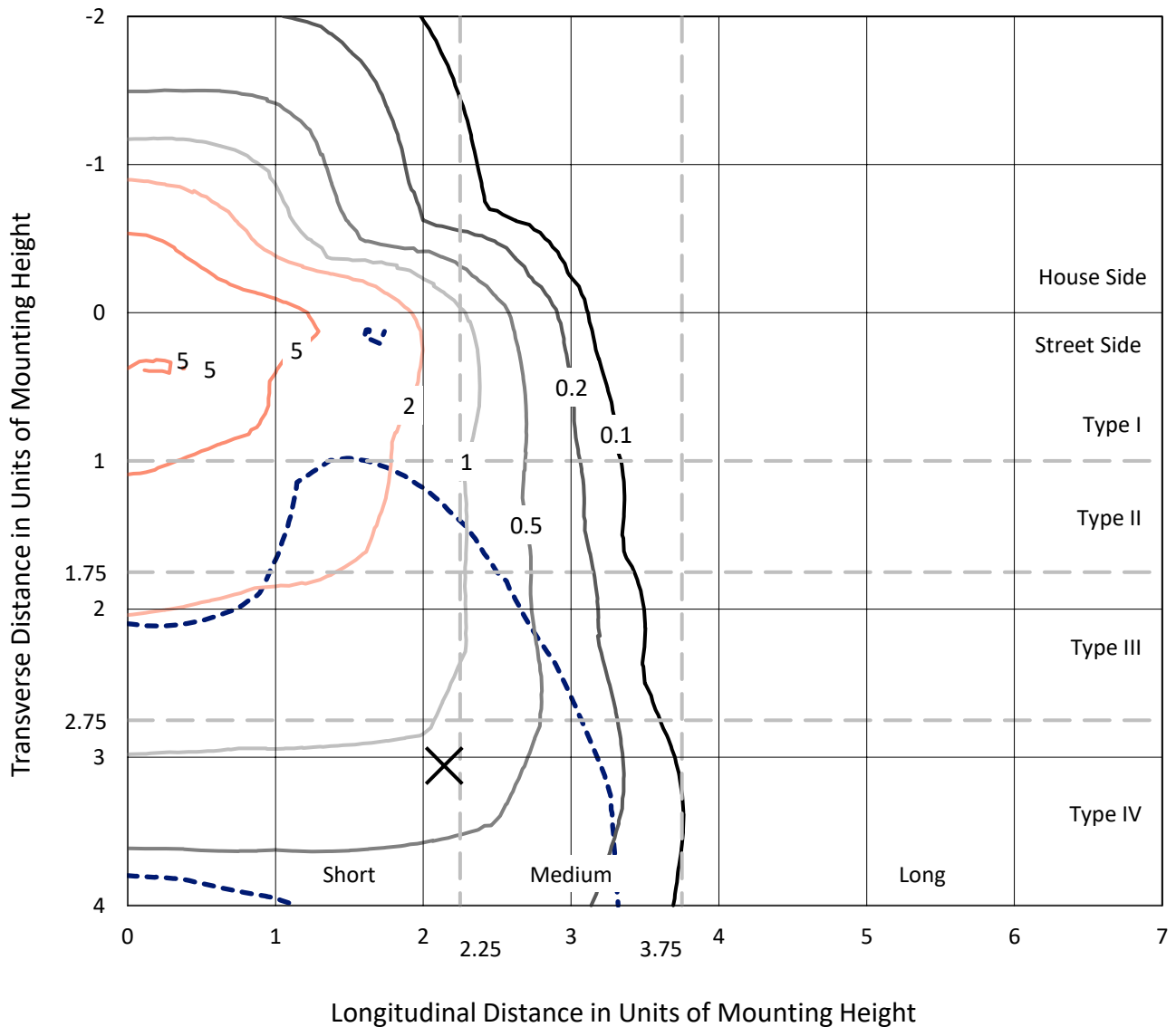
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

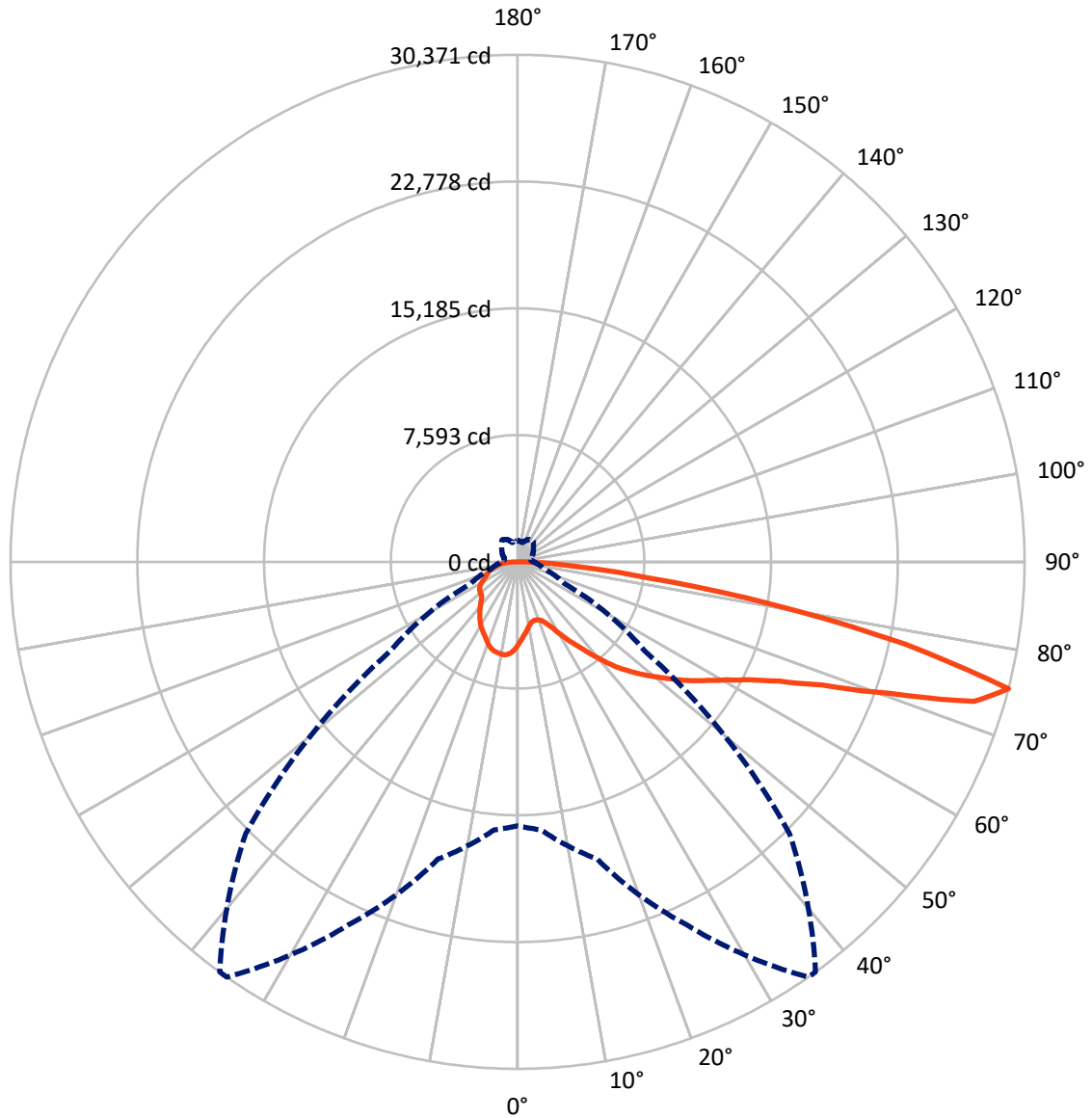
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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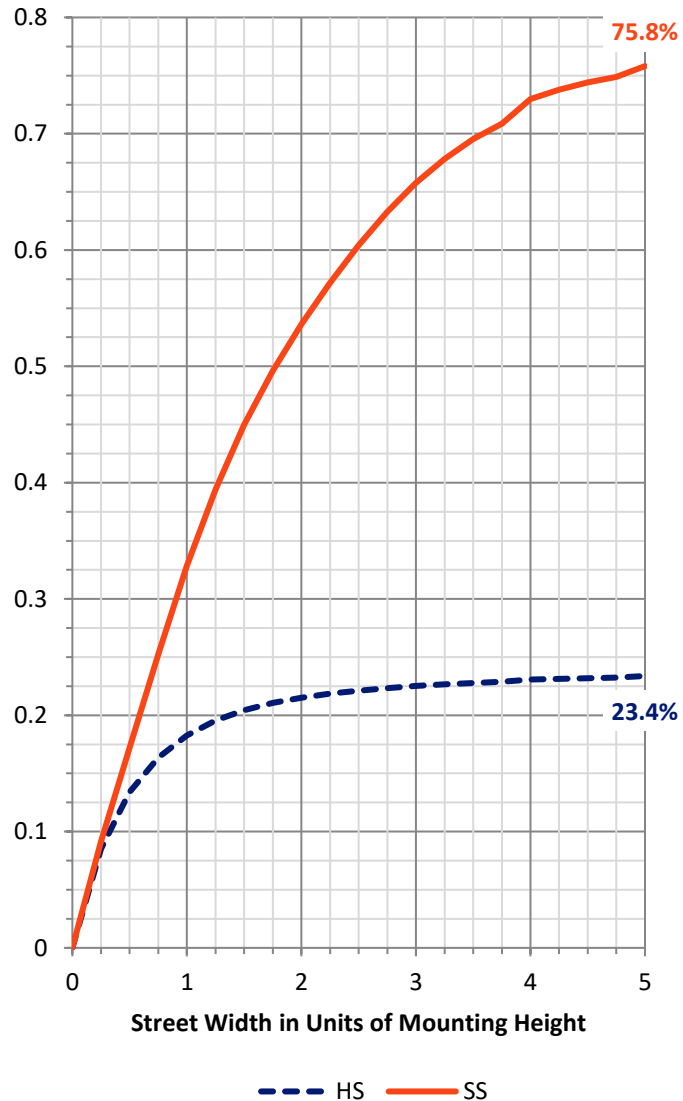
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8867.4	0.0	8867.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	28394.6	0.0	28394.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	37262.0	0.0	37262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.1	1.3
10°-20°	1356.0	3.6
20°-30°	2277.2	6.1
30°-40°	3539.0	9.5
40°-50°	5252.8	14.1
50°-60°	7251.9	19.5
60°-70°	8798.2	23.6
70°-80°	7271.0	19.5
80°-90°	1045.8	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°	37262.0	100.0
0°-180°	37262.0	100.0

Coefficient of Utilization



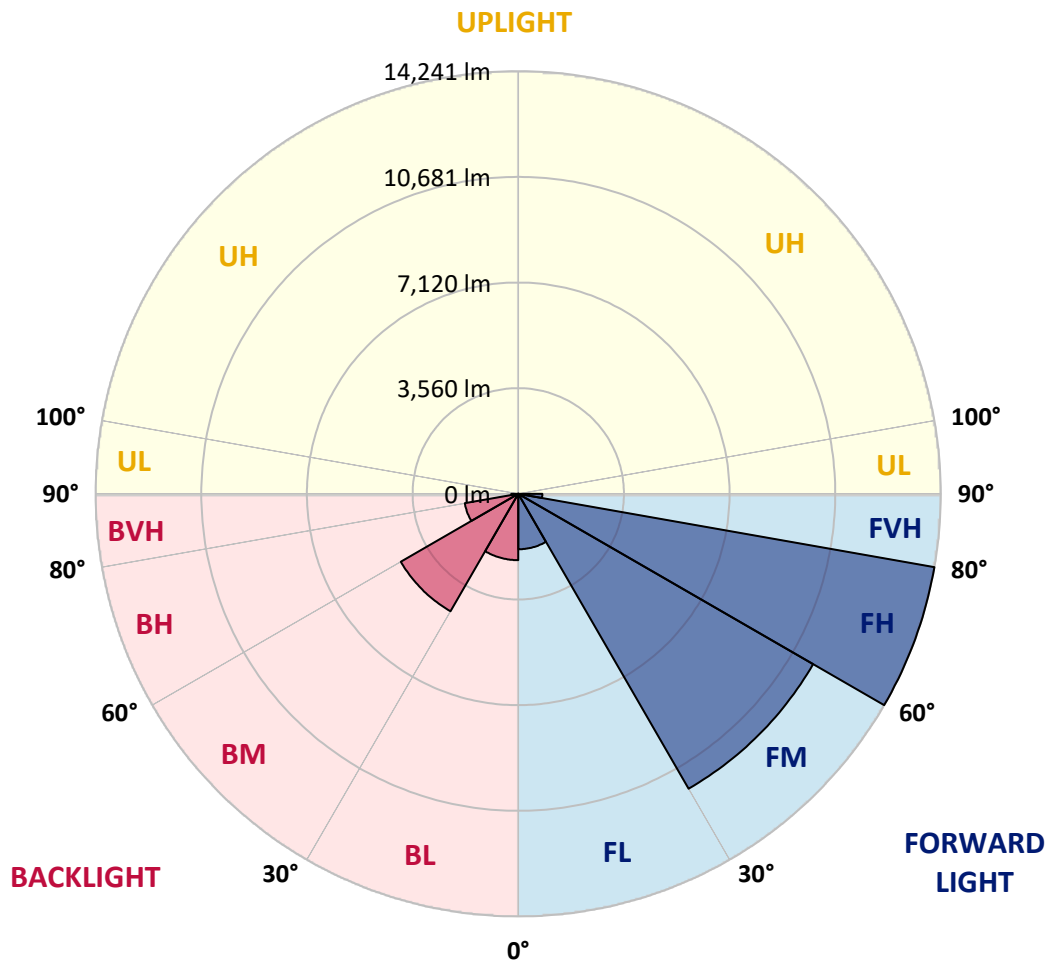
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1868.6	5.0			
FM (30°-60°)	11474.7	30.8			
FH (60°-80°)	14241.0	38.2			G5
FVH (80°-90°)	810.3	2.2			G5
BL (0°-30°)	2234.7	6.0	B3/2500		
BM (30°-60°)	4569.0	12.3	B3/5000		
BH (60°-80°)	1828.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	235.5	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°	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4
2.5°	4578.7	4606.9	4618.9	4612.9	4643.1	4639.1	4681.4	4733.8	4806.3	4876.8
5°	4226.1	4256.4	4282.5	4306.7	4365.1	4383.3	4449.7	4550.5	4683.4	4818.4
7.5°	3897.8	3924.0	3964.3	4008.6	4107.3	4125.4	4236.2	4393.3	4578.7	4776.1
10°	3629.9	3656.1	3698.4	3748.7	3871.6	3893.8	4034.8	4244.3	4486.0	4735.8
12.5°	3515.1	3523.1	3547.3	3597.7	3704.4	3718.5	3873.6	4113.3	4395.3	4705.6
15°	3509.0	3525.1	3527.2	3553.3	3642.0	3648.0	3791.0	4028.7	4338.9	4699.5
17.5°	3569.5	3581.5	3563.4	3579.5	3654.1	3664.1	3776.9	3988.4	4320.8	4725.7
20°	3730.6	3740.7	3686.3	3664.1	3718.5	3726.6	3837.4	4014.6	4338.9	4780.1
22.5°	4073.0	4079.1	3946.1	3855.5	3859.5	3863.6	3960.2	4121.4	4409.4	4878.8
25°	4606.9	4602.8	4391.3	4216.1	4115.4	4093.2	4157.7	4294.6	4528.3	5009.7
27.5°	5231.3	5201.1	4989.6	4727.7	4508.2	4475.9	4461.8	4520.2	4697.5	5183.0
30°	5936.3	5908.1	5680.5	5338.1	5033.9	4981.5	4848.6	4818.4	4949.3	5418.6
32.5°	6709.9	6691.7	6419.8	6004.8	5597.9	5537.5	5313.9	5233.3	5336.1	5775.2
35°	7358.5	7342.4	7116.8	6689.7	6192.2	6117.6	5890.0	5799.4	5851.7	6232.5
37.5°	7944.7	7936.6	7743.2	7406.8	6893.2	6802.5	6546.7	6516.5	6506.4	6834.7
40°	8488.5	8468.4	8267.0	8089.7	7709.0	7626.4	7400.8	7374.6	7298.1	7576.0
42.5°	9090.8	9038.5	8746.4	8663.8	8561.1	8492.6	8357.6	8361.6	8192.4	8412.0
45°	9582.3	9552.1	9252.0	9203.6	9314.4	9286.2	9403.1	9433.3	9104.9	9288.2
47.5°	10110.1	10081.9	9828.1	9793.9	10094.0	10102.0	10515.0	10525.1	9995.3	10198.7
50°	10760.7	10720.5	10468.7	10511.0	10847.4	10877.6	11633.0	11564.5	10815.1	11123.3
52.5°	11189.8	11214.0	11159.6	11228.1	11687.4	11715.6	12732.8	12557.6	11626.9	12035.8
55°	11506.1	11554.4	11723.6	11880.7	12573.7	12601.9	13770.2	13502.3	12299.7	12881.9
57.5°	11913.0	11844.5	12160.7	12466.9	13415.7	13490.2	14779.4	14412.8	12896.0	13611.1
60°	12497.1	12448.8	12694.5	13147.8	14358.4	14477.3	15847.0	15232.6	13333.1	14189.2
62.5°	13681.6	13560.7	13599.0	13999.8	15546.9	15704.0	17051.6	15947.7	13550.6	14414.8
65°	15452.2	15244.7	15051.3	15329.3	17220.8	17375.9	18411.3	16509.7	13470.1	13977.7
67.5°	17682.1	17476.6	17238.9	17500.8	19686.4	19809.3	20089.3	16826.0	12835.5	12293.7
70°	19521.2	19444.7	19728.7	20806.4	23624.5	23628.5	22240.6	16564.1	11097.1	8716.2
72.5°	19277.5	19231.2	20727.8	24059.6	28587.9	28481.1	24277.1	14582.0	7475.3	3932.0
75°	15814.8	16114.9	18433.5	24001.2	30370.6	30356.5	23030.3	9270.1	3092.1	1629.6
77.5°	8480.5	8955.9	11967.4	17720.4	23709.1	24065.6	16191.5	3243.1	1327.5	1043.4
80°	2765.7	3180.7	4770.0	9022.3	15405.9	15339.4	6939.5	1273.1	908.5	739.3
82.5°	1174.4	1222.7	2131.2	4260.4	7906.4	7783.5	2209.8	731.2	638.6	505.6
85°	459.3	513.7	940.7	1970.1	3424.4	3349.9	797.7	362.6	408.9	330.4
87.5°	151.1	183.3	336.4	674.8	1065.6	1027.3	195.4	124.9	177.3	151.1
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°
4965.4	0°	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4	4965.4
4979.5	2.5°	5007.7	5039.9	5078.2	5134.6	5183.0	5223.3	5265.6	5291.7	5301.8	5332.0
4987.6	5°	5044.0	5114.5	5209.2	5301.8	5392.5	5446.8	5495.2	5519.4	5541.5	5557.6
5009.7	7.5°	5104.4	5195.1	5344.1	5465.0	5541.5	5585.8	5618.1	5610.0	5618.1	5622.1
5033.9	10°	5156.8	5283.7	5460.9	5575.8	5634.2	5636.2	5628.1	5599.9	5585.8	5587.9
5070.2	12.5°	5219.2	5360.2	5551.6	5648.3	5664.4	5620.1	5585.8	5537.5	5519.4	5511.3
5124.5	15°	5303.8	5465.0	5650.3	5686.6	5646.3	5589.9	5531.5	5452.9	5412.6	5380.4
5217.2	17.5°	5406.6	5583.8	5726.8	5700.7	5614.0	5521.4	5426.7	5307.9	5225.3	5191.0
5344.1	20°	5549.6	5708.7	5785.3	5670.4	5539.5	5398.5	5237.4	5092.3	5015.8	4981.5
5505.3	22.5°	5722.8	5875.9	5841.7	5618.1	5432.7	5207.1	5005.7	4898.9	4860.7	4836.5
5712.7	25°	5930.3	6061.2	5882.0	5541.5	5257.5	4953.3	4798.2	4764.0	4745.8	4727.7
5966.6	27.5°	6200.2	6270.7	5912.2	5428.7	4983.5	4683.4	4627.0	4633.0	4627.0	4596.8
6319.1	30°	6556.8	6542.7	5940.4	5245.4	4669.3	4439.7	4443.7	4469.9	4473.9	4453.8
6810.6	32.5°	7026.1	6883.1	5954.5	5007.7	4369.2	4226.1	4230.2	4258.4	4278.5	4244.3
7453.2	35°	7594.2	7279.9	5932.3	4709.6	4137.5	4022.7	3992.5	4000.5	4006.6	3974.3
8232.7	37.5°	8256.9	7725.1	5833.6	4379.2	3946.1	3823.3	3758.8	3704.4	3672.2	3642.0
9115.0	40°	8984.1	8210.6	5652.3	4056.9	3732.6	3611.8	3515.1	3412.3	3303.6	3263.3
10049.7	42.5°	9745.5	8710.1	5432.7	3748.7	3486.9	3388.2	3285.4	3136.4	2973.2	2890.6
11020.6	45°	10535.1	9221.8	5217.2	3444.6	3235.1	3192.8	3073.9	2894.6	2717.4	2612.6
11993.5	47.5°	11308.7	9705.2	4901.0	3138.4	2999.4	3045.7	2953.1	2787.9	2590.5	2425.3
12958.4	50°	12047.9	10158.5	4383.3	2828.2	2808.0	3001.4	2912.8	2675.1	2449.5	2238.0
13905.2	52.5°	12781.2	10525.1	3720.5	2546.2	2705.3	2989.3	2860.4	2598.5	2322.6	2101.0
14795.5	55°	13403.6	10714.4	3082.0	2304.4	2556.2	2886.6	2798.0	2507.9	2143.3	1907.6
15405.9	57.5°	13758.1	10561.3	2550.2	2066.7	2350.8	2717.4	2691.2	2314.5	1929.8	1748.5
15524.7	60°	13605.0	9940.9	2115.1	1859.3	2155.4	2534.1	2505.9	2123.1	1766.6	1595.4
14888.2	62.5°	12761.0	8758.5	1770.6	1678.0	1978.1	2346.7	2320.6	1976.1	1641.7	1476.5
13198.1	65°	11060.9	7124.8	1502.7	1526.9	1798.8	2121.1	2159.4	1853.2	1543.0	1381.9
10210.8	67.5°	8436.2	5160.8	1293.2	1396.0	1623.6	1899.5	2010.3	1764.6	1460.4	1307.3
5908.1	70°	4808.3	2930.9	1116.0	1269.1	1468.5	1694.1	1895.5	1694.1	1371.8	1244.9
2213.8	72.5°	1823.0	1345.6	964.9	1142.1	1319.4	1520.8	1768.6	1583.3	1269.1	1174.4
1144.2	75°	972.9	819.8	811.8	993.1	1148.2	1351.6	1609.5	1474.5	1192.5	1240.8
791.6	77.5°	662.7	580.1	678.8	850.1	960.9	1164.3	1440.3	1309.3	1033.4	1029.3
547.9	80°	459.3	410.9	551.9	684.9	743.3	979.0	1257.0	1124.0	842.0	785.6
338.4	82.5°	276.0	267.9	412.9	511.6	525.7	755.4	1041.4	942.7	688.9	600.3
201.4	85°	151.1	159.1	263.9	300.1	306.2	527.8	815.8	729.2	529.8	445.2
72.5	87.5°	42.3	54.4	96.7	118.8	147.0	274.0	485.5	433.1	265.9	185.3
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°
4965.4
5330.0
5561.7
5628.1
5591.9
5507.3
5390.4
5193.0
4977.5
4840.5
4727.7
4602.8
4463.8
4260.4
3996.5
3662.1
3281.4
2900.7
2604.6
2407.2
2219.8
2076.8
1887.5
1724.3
1571.2
1450.3
1355.7
1283.2
1228.8
1158.3
1281.1
948.8
751.4
604.3
449.2
185.3
0.0

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