

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: P852903

Luminaire Tested: **GLAN-SB7B-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852903
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-SB7B-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38234 lumens
Efficiency: N/A
Efficacy: 148.9 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

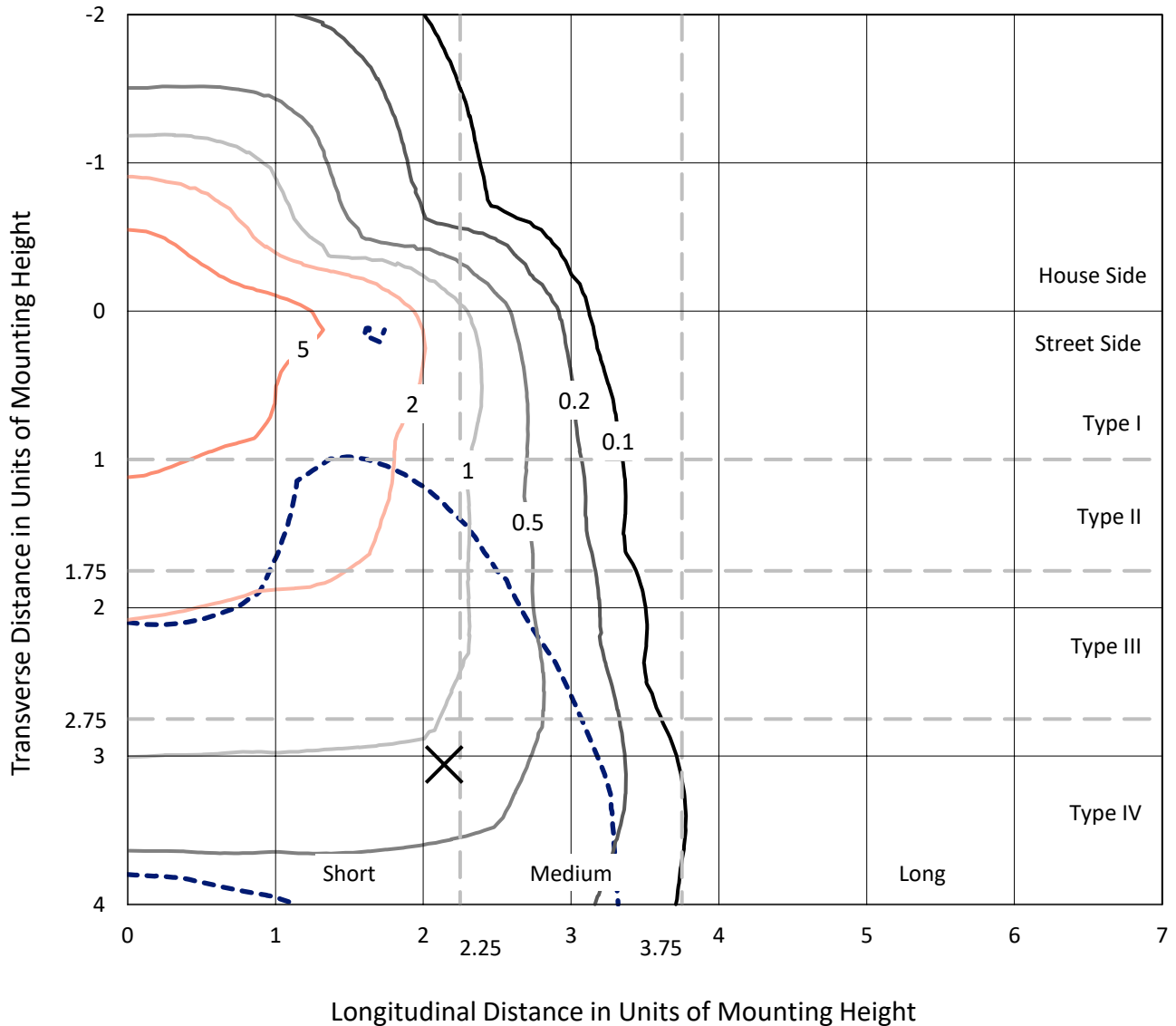
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

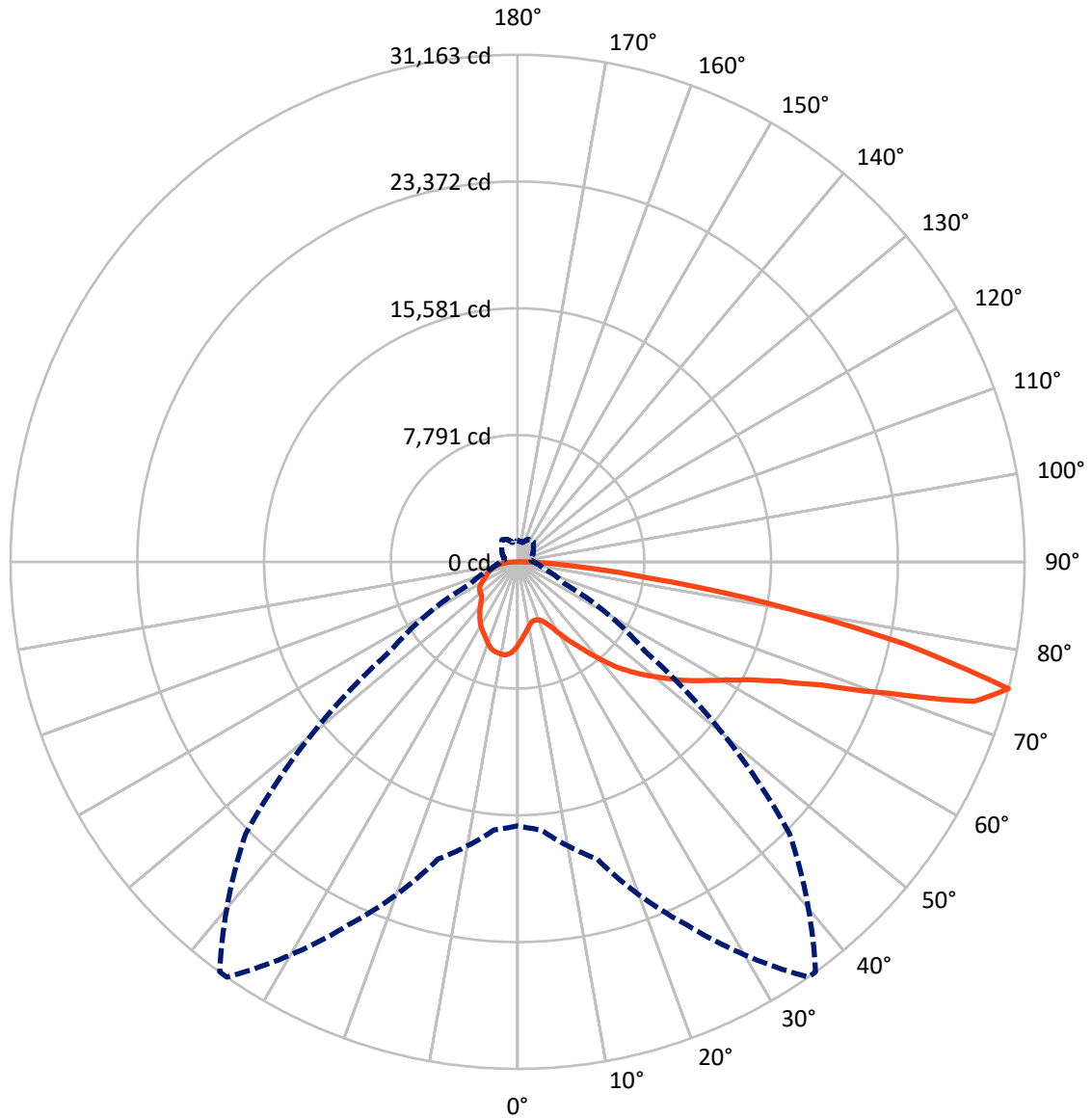
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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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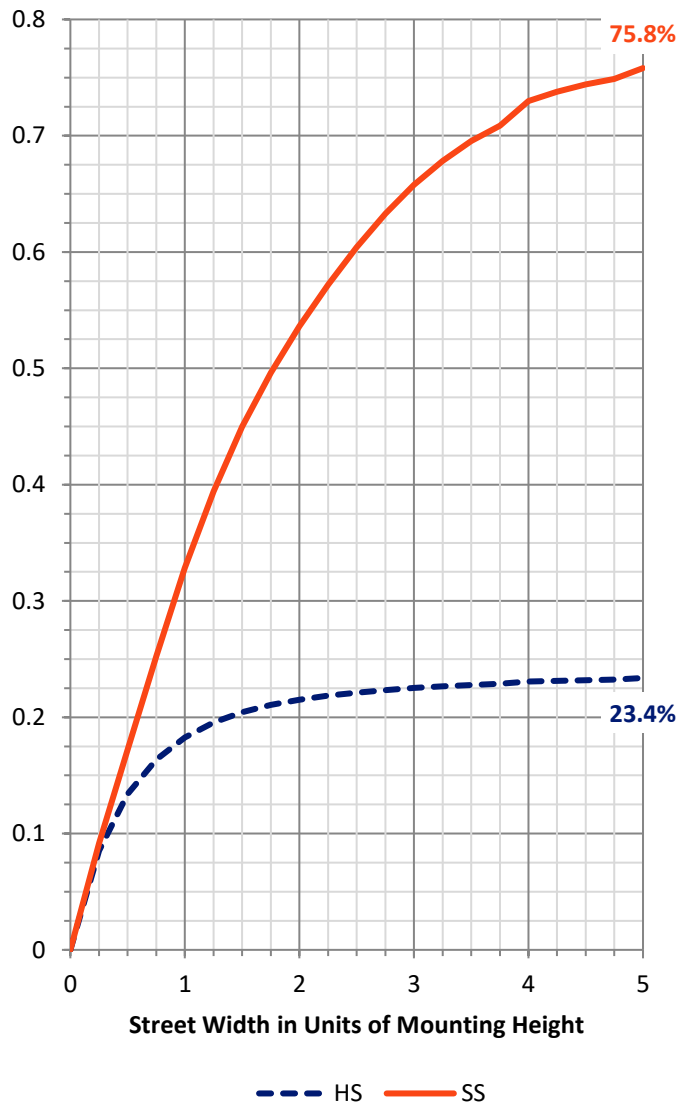
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9098.7	0.0	9098.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	29135.3	0.0	29135.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	38234.0	0.0	38234.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.4	1.3
10°-20°	1391.4	3.6
20°-30°	2336.6	6.1
30°-40°	3631.3	9.5
40°-50°	5389.9	14.1
50°-60°	7441.0	19.5
60°-70°	9027.7	23.6
70°-80°	7460.7	19.5
80°-90°	1073.1	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°	38234.0	100.0
0°-180°	38234.0	100.0

Coefficient of Utilization

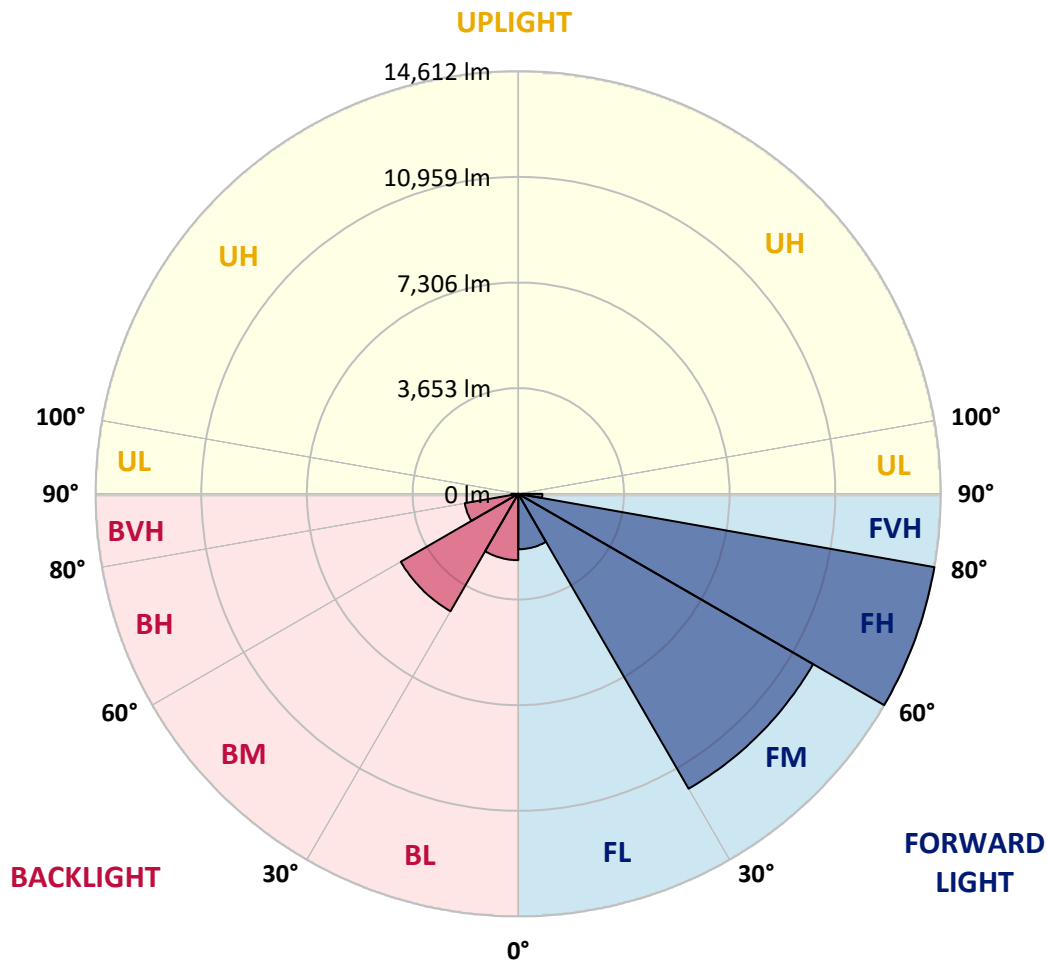


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1917.4	5.0			
FM (30°-60°)	11774.0	30.8			
FH (60°-80°)	14612.5	38.2			G5
FVH (80°-90°)	831.4	2.2			G5
BL (0°-30°)	2293.0	6.0	B3/2500		
BM (30°-60°)	4688.2	12.3	B3/5000		
BH (60°-80°)	1875.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	241.6	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°	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9
2.5°	4698.1	4727.0	4739.4	4733.2	4764.2	4760.1	4803.5	4857.2	4931.7	5004.0
5°	4336.4	4367.4	4394.3	4419.1	4479.0	4497.6	4565.8	4669.2	4805.6	4944.1
7.5°	3999.5	4026.3	4067.7	4113.2	4214.4	4233.0	4346.7	4507.9	4698.1	4900.6
10°	3724.6	3751.4	3794.9	3846.5	3972.6	3995.3	4140.0	4355.0	4603.0	4859.3
12.5°	3606.8	3615.0	3639.8	3691.5	3801.1	3815.5	3974.7	4220.6	4510.0	4828.3
15°	3600.6	3617.1	3619.2	3646.0	3737.0	3743.2	3889.9	4133.8	4452.1	4822.1
17.5°	3662.6	3675.0	3656.4	3672.9	3749.4	3759.7	3875.5	4092.5	4433.5	4849.0
20°	3827.9	3838.3	3782.4	3759.7	3815.5	3823.8	3937.5	4119.4	4452.1	4904.8
22.5°	4179.3	4185.5	4049.1	3956.1	3960.2	3964.3	4063.5	4228.9	4524.5	5006.1
25°	4727.0	4722.9	4505.9	4326.0	4222.7	4200.0	4266.1	4406.7	4646.4	5140.4
27.5°	5367.8	5336.8	5119.7	4851.0	4625.8	4592.7	4578.2	4638.2	4820.0	5318.2
30°	6091.2	6062.3	5828.7	5477.3	5165.2	5111.5	4975.1	4944.1	5078.4	5560.0
32.5°	6884.9	6866.3	6587.2	6161.5	5743.9	5681.9	5452.5	5369.8	5475.3	5925.8
35°	7550.4	7533.9	7302.4	6864.2	6353.7	6277.2	6043.7	5950.6	6004.4	6395.0
37.5°	8151.9	8143.6	7945.2	7600.0	7073.0	6980.0	6717.5	6686.5	6676.1	7013.0
40°	8710.0	8689.3	8482.6	8300.7	7910.1	7825.3	7593.8	7567.0	7488.4	7773.7
42.5°	9328.0	9274.2	8974.5	8889.8	8784.4	8714.1	8575.6	8579.8	8406.1	8631.4
45°	9832.3	9801.3	9493.3	9443.7	9557.4	9528.5	9648.3	9679.4	9342.4	9530.5
47.5°	10373.8	10344.9	10084.5	10049.3	10357.3	10365.6	10789.3	10799.6	10256.0	10464.8
50°	11041.4	11000.1	10741.7	10785.1	11130.3	11161.3	11936.4	11866.1	11097.3	11413.5
52.5°	11481.7	11506.5	11450.7	11521.0	11992.2	12021.2	13065.0	12885.1	11930.2	12349.8
55°	11806.2	11855.8	12029.4	12190.6	12901.7	12930.6	14129.4	13854.5	12620.6	13217.9
57.5°	12223.7	12153.4	12478.0	12792.1	13765.6	13842.1	15164.9	14788.8	13232.4	13966.1
60°	12823.1	12773.5	13025.7	13490.7	14733.0	14854.9	16260.4	15630.0	13680.9	14559.3
62.5°	14038.5	13914.5	13953.7	14365.0	15952.4	16113.6	17496.4	16363.7	13904.1	14790.8
65°	15855.3	15642.4	15444.0	15729.2	17670.0	17829.2	18891.6	16940.4	13821.4	14342.3
67.5°	18143.4	17932.5	17688.6	17957.3	20199.9	20326.0	20613.3	17264.9	13170.4	12614.4
70°	20030.4	19951.9	20243.3	21349.1	24240.7	24244.9	22820.8	16996.2	11386.6	8943.5
72.5°	19780.4	19732.8	21268.5	24687.2	29333.6	29224.1	24910.4	14962.4	7670.3	4034.6
75°	16227.3	16535.3	18914.3	24627.3	31162.8	31148.4	23631.0	9511.9	3172.7	1672.1
77.5°	8701.7	9189.5	12279.5	18182.6	24327.6	24693.4	16613.8	3327.7	1362.1	1070.7
80°	2837.9	3263.7	4894.4	9257.7	15807.7	15739.5	7120.5	1306.3	932.2	758.6
82.5°	1205.0	1254.6	2186.8	4371.5	8112.6	7986.5	2267.4	750.3	655.2	518.8
85°	471.3	527.1	965.2	2021.4	3513.8	3437.3	818.5	372.0	419.6	339.0
87.5°	155.0	188.1	345.2	692.4	1093.4	1054.1	200.5	128.1	181.9	155.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5094.9	0°	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9	5094.9
5109.4	2.5°	5138.3	5171.4	5210.7	5268.6	5318.2	5359.5	5402.9	5429.8	5440.1	5471.1
5117.7	5°	5175.5	5247.9	5345.0	5440.1	5533.1	5588.9	5638.5	5663.3	5686.1	5702.6
5140.4	7.5°	5237.6	5330.6	5483.5	5607.5	5686.1	5731.5	5764.6	5756.4	5764.6	5768.8
5165.2	10°	5291.3	5421.5	5603.4	5721.2	5781.2	5783.2	5775.0	5746.0	5731.5	5733.6
5202.4	12.5°	5355.4	5500.1	5696.4	5795.6	5812.2	5766.7	5731.5	5681.9	5663.3	5655.1
5258.2	15°	5442.2	5607.5	5797.7	5834.9	5793.6	5735.7	5675.7	5595.1	5553.8	5520.7
5353.3	17.5°	5547.6	5729.5	5876.2	5849.4	5760.5	5665.4	5568.3	5446.3	5361.6	5326.4
5483.5	20°	5694.3	5857.6	5936.2	5818.4	5684.0	5539.3	5374.0	5225.2	5146.6	5111.5
5648.9	22.5°	5872.1	6029.2	5994.0	5764.6	5574.5	5343.0	5136.3	5026.7	4987.5	4962.7
5861.8	25°	6085.0	6219.3	6035.4	5686.1	5394.6	5082.5	4923.4	4888.2	4869.6	4851.0
6122.2	27.5°	6362.0	6434.3	6066.4	5570.3	5113.5	4805.6	4747.7	4753.9	4747.7	4716.7
6483.9	30°	6727.8	6713.3	6095.3	5382.2	4791.1	4555.5	4559.6	4586.5	4590.6	4569.9
6988.2	32.5°	7209.4	7062.6	6109.8	5138.3	4483.1	4336.4	4340.5	4369.5	4390.1	4355.0
7647.6	35°	7792.3	7469.8	6087.1	4832.4	4245.4	4127.6	4096.6	4104.9	4111.1	4078.0
8447.5	37.5°	8472.3	7926.6	5985.8	4493.5	4049.1	3923.0	3856.9	3801.1	3768.0	3737.0
9352.8	40°	9218.4	8424.7	5799.8	4162.8	3830.0	3706.0	3606.8	3501.3	3389.7	3348.4
10311.8	42.5°	9999.7	8937.3	5574.5	3846.5	3577.8	3476.5	3371.1	3218.2	3050.8	2966.0
11308.1	45°	10810.0	9462.3	5353.3	3534.4	3319.5	3276.1	3154.1	2970.2	2788.3	2680.8
12306.4	47.5°	11603.6	9958.4	5028.8	3220.2	3077.6	3125.2	3030.1	2860.6	2658.0	2488.6
13296.4	50°	12362.2	10423.4	4497.6	2901.9	2881.3	3079.7	2988.8	2744.9	2513.4	2296.3
14267.9	52.5°	13114.6	10799.6	3817.6	2612.6	2775.9	3067.3	2935.0	2666.3	2383.2	2155.8
15181.5	55°	13753.2	10993.9	3162.4	2364.5	2622.9	2961.9	2870.9	2573.3	2199.2	1957.4
15807.7	57.5°	14117.0	10836.8	2616.7	2120.7	2412.1	2788.3	2761.4	2374.9	1980.1	1794.1
15929.7	60°	13959.9	10200.2	2170.3	1907.8	2211.6	2600.2	2571.2	2178.5	1812.7	1637.0
15276.5	62.5°	13093.9	8986.9	1816.8	1721.7	2029.7	2408.0	2381.1	2027.6	1684.5	1515.0
13542.4	65°	11349.4	7310.7	1541.9	1566.7	1845.8	2176.5	2215.7	1901.6	1583.3	1417.9
10477.2	67.5°	8656.2	5295.4	1327.0	1432.4	1665.9	1949.1	2062.8	1810.6	1498.5	1341.4
6062.3	70°	4933.7	3007.4	1145.1	1302.2	1506.8	1738.3	1945.0	1738.3	1407.6	1277.4
2271.5	72.5°	1870.6	1380.7	990.1	1171.9	1353.8	1560.5	1814.7	1624.6	1302.2	1205.0
1174.0	75°	998.3	841.2	833.0	1019.0	1178.1	1386.9	1651.5	1513.0	1223.6	1273.2
812.3	77.5°	680.0	595.3	696.5	872.2	985.9	1194.7	1477.8	1343.5	1060.3	1056.2
562.2	80°	471.3	421.7	566.3	702.8	762.7	1004.5	1289.8	1153.3	864.0	806.1
347.2	82.5°	283.2	274.9	423.7	525.0	539.5	775.1	1068.6	967.3	706.9	615.9
206.7	85°	155.0	163.3	270.8	308.0	314.2	541.5	837.1	748.2	543.6	456.8
74.4	87.5°	43.4	55.8	99.2	121.9	150.9	281.1	498.1	444.4	272.8	190.2
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°
5094.9
5469.1
5706.7
5775.0
5737.7
5650.9
5531.1
5328.5
5107.3
4966.8
4851.0
4722.9
4580.3
4371.5
4100.8
3757.6
3367.0
2976.4
2672.5
2470.0
2277.7
2131.0
1936.7
1769.3
1612.2
1488.2
1391.0
1316.6
1260.8
1188.5
1314.6
973.5
771.0
620.1
460.9
190.2
0.0

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