

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: McGRAW-EDISON

Report Number: P954380

Luminaire Tested: **GALN-SB7C-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954380
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32854 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

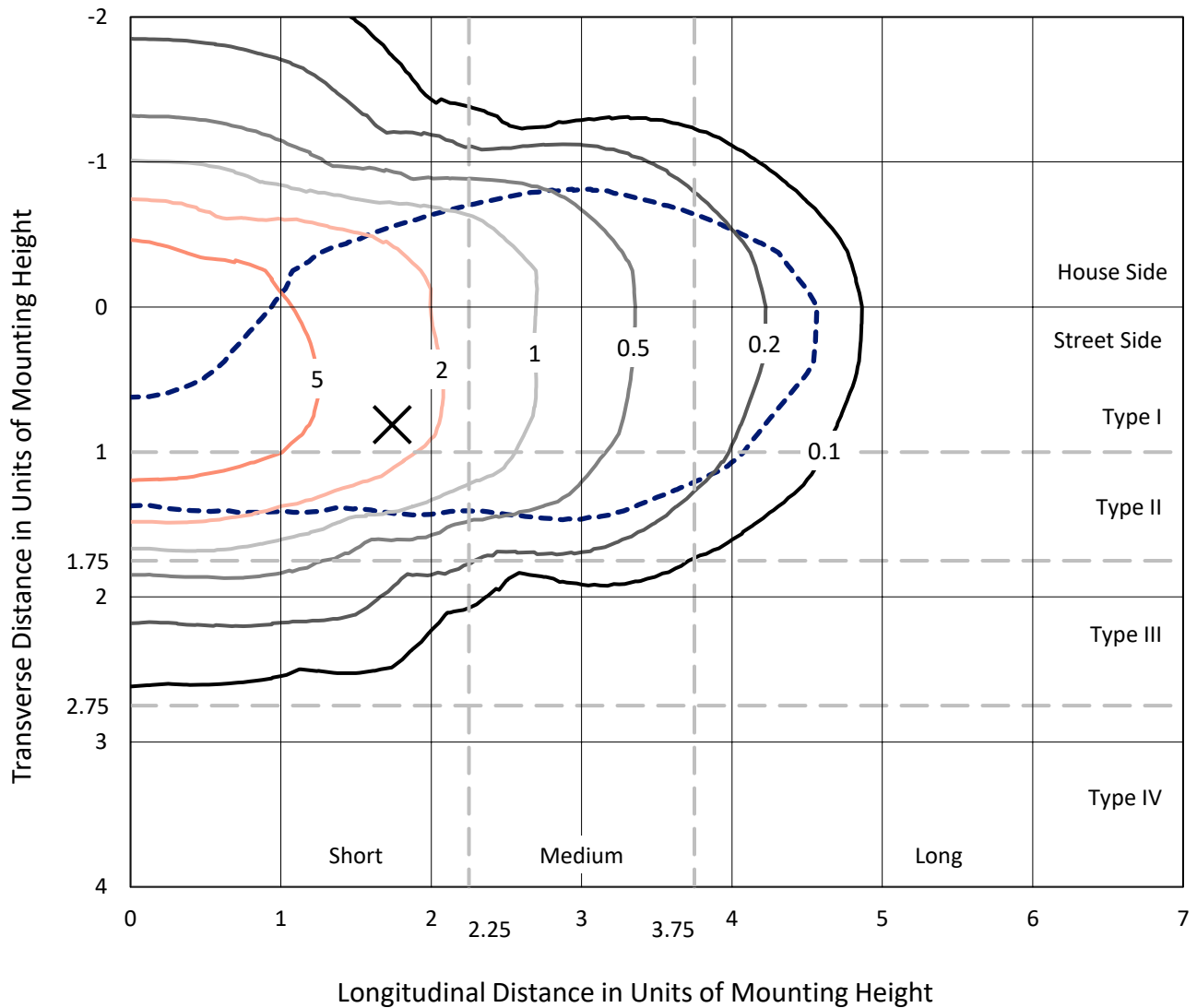
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

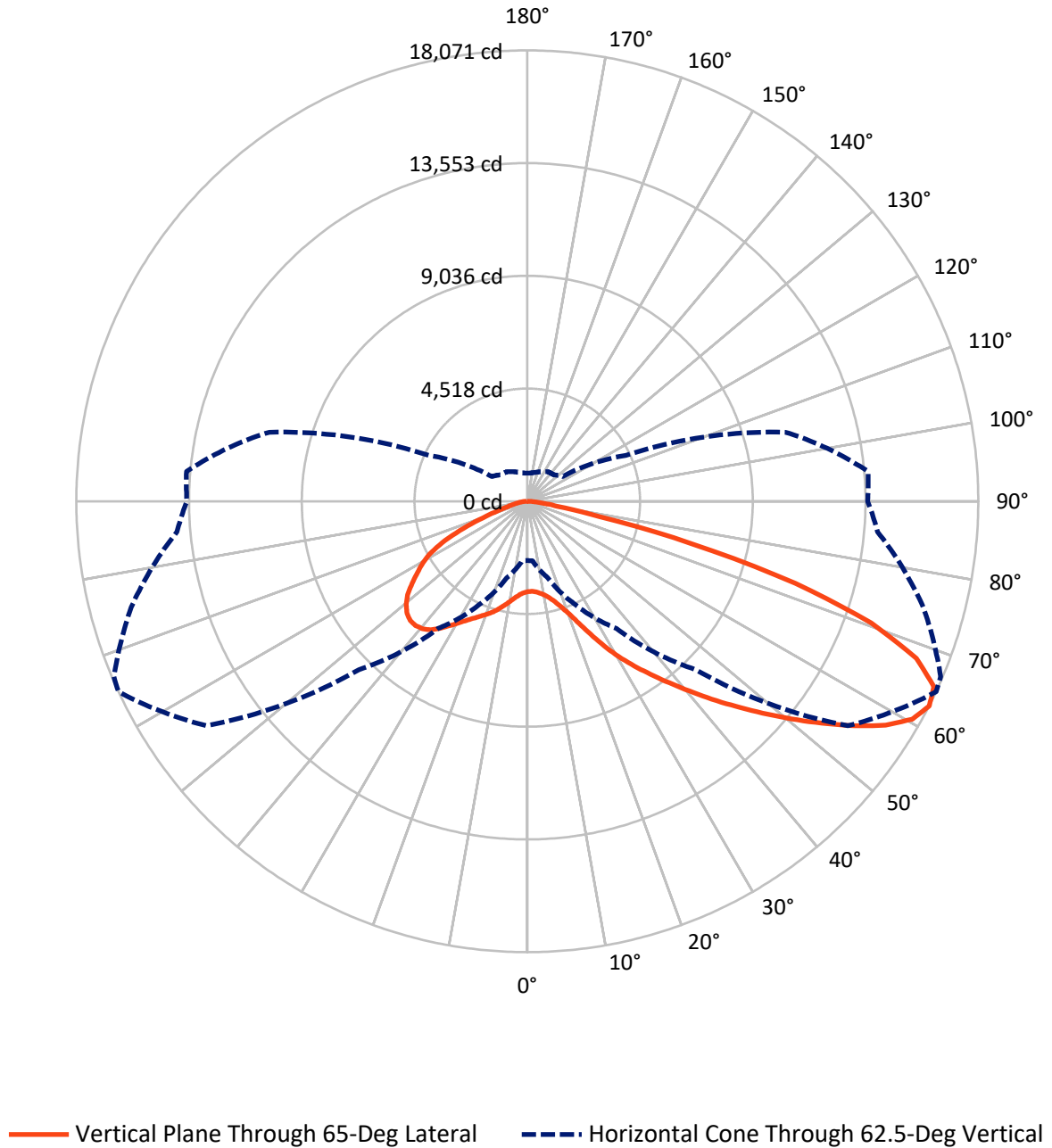
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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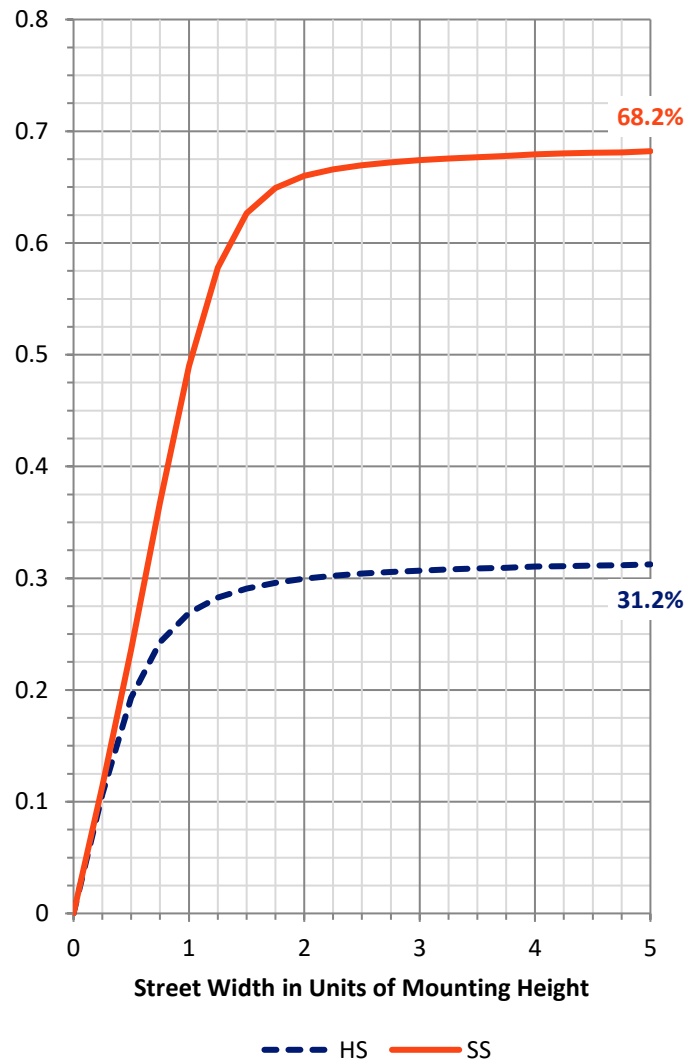
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10367.3	0.0	10367.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	22486.7	0.0	22486.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	32854.0	0.0	32854.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.9	1.1
10°-20°	1224.0	3.7
20°-30°	2481.8	7.6
30°-40°	4294.7	13.1
40°-50°	6499.2	19.8
50°-60°	7619.9	23.2
60°-70°	6388.4	19.4
70°-80°	3526.9	10.7
80°-90°	458.1	1.4
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°	32854.0	100.0
0°-180°	32854.0	100.0



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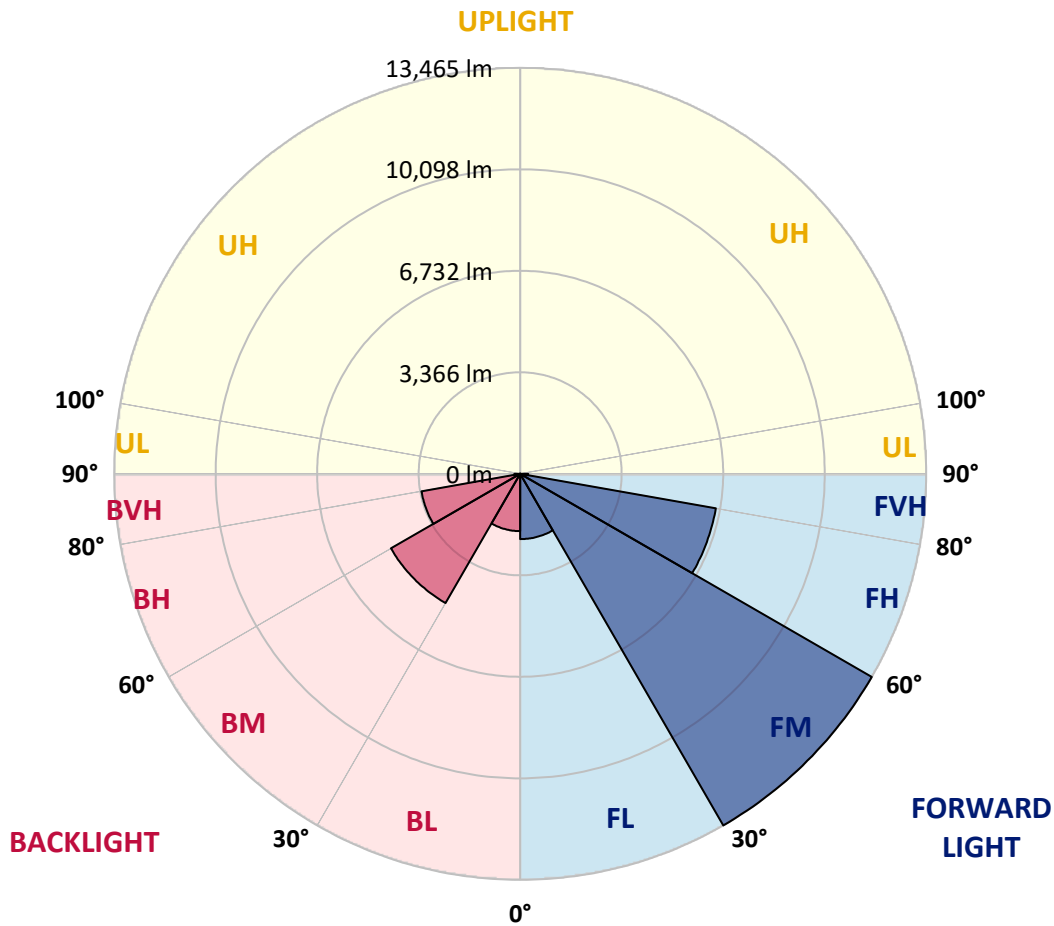
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2165.5	6.6			
FM (30°-60°)	13464.6	41.0			
FH (60°-80°)	6589.5	20.1			G3/7500
FVH (80°-90°)	267.0	0.8			G3/500
BL (0°-30°)	1901.2	5.8	B3/2500		
BM (30°-60°)	4949.2	15.1	B3/5000		
BH (60°-80°)	3325.7	10.1	B4/5000		G4/5000
BVH (80°-90°)	191.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4
2.5°	3596.5	3586.3	3594.8	3594.8	3598.2	3596.5	3608.4	3611.8	3617.0	3627.2
5°	3560.7	3559.0	3574.3	3588.0	3601.6	3613.6	3628.9	3651.0	3654.5	3666.4
7.5°	3548.8	3538.6	3562.4	3579.5	3611.8	3640.8	3681.7	3719.2	3734.6	3739.7
10°	3640.8	3623.8	3645.9	3656.2	3683.4	3712.4	3760.1	3819.8	3836.8	3857.3
12.5°	3797.6	3778.9	3811.3	3826.6	3852.2	3877.7	3910.1	3968.1	3976.6	4014.1
15°	4012.4	3990.2	4010.7	4029.4	4072.1	4095.9	4128.3	4184.6	4184.6	4213.5
17.5°	4303.9	4274.9	4290.2	4297.1	4324.3	4360.1	4414.7	4464.1	4489.7	4479.4
20°	4738.5	4702.7	4702.7	4668.6	4658.4	4687.4	4759.0	4827.2	4854.4	4801.6
22.5°	5391.3	5340.2	5311.2	5195.3	5149.3	5152.7	5224.3	5307.8	5330.0	5236.2
25°	6221.4	6141.3	6102.1	5931.7	5827.7	5737.4	5793.6	5901.0	5931.7	5815.8
27.5°	7051.5	7056.7	7019.2	6814.6	6642.5	6477.1	6448.1	6560.6	6593.0	6461.8
30°	8215.7	8094.7	8023.1	7777.7	7532.2	7300.4	7181.1	7227.1	7235.6	7078.8
32.5°	9219.7	9189.0	9035.6	8820.8	8505.5	8142.4	7943.0	7869.7	7856.1	7632.8
35°	10363.4	10346.3	10184.4	9928.7	9587.8	9083.3	8723.7	8514.0	8497.0	8183.3
37.5°	11525.9	11525.9	11367.3	11087.8	10735.0	10104.3	9557.2	9224.8	9170.2	8761.2
40°	12453.1	12396.9	12425.8	12308.2	11904.3	11234.4	10482.7	10000.3	9927.0	9436.1
42.5°	12979.8	12961.1	13134.9	13266.2	13100.8	12565.6	11502.0	10840.7	10738.4	10179.3
45°	13097.4	13077.0	13387.2	13867.9	14099.7	13879.8	12609.9	11725.3	11600.9	10956.6
47.5°	12826.4	12785.5	13240.6	13999.1	14742.3	15129.2	13809.9	12684.9	12504.2	11713.4
50°	12011.6	11972.4	12661.1	13668.4	14958.7	15978.0	15112.1	13702.5	13426.4	12524.7
52.5°	10240.7	10259.4	11338.4	12722.4	14674.1	16506.4	16233.7	14774.6	14442.3	13354.8
55°	7977.1	8018.0	9344.1	10867.9	13535.5	16426.3	16999.0	15879.2	15548.5	14135.5
57.5°	5711.8	5892.5	7135.1	8643.5	11348.6	15156.5	17166.1	16929.1	16608.7	14987.7
60°	3702.2	3734.6	5012.9	6533.4	8641.8	12899.7	16826.9	17725.1	17474.6	15857.0
62.5°	2372.7	2394.8	3173.8	4569.8	6219.7	9543.5	15684.9	18071.2	17994.5	16431.4
65°	1743.7	1726.7	2132.3	3020.4	4189.7	5885.7	13467.3	17904.1	18055.8	16791.1
67.5°	1455.6	1431.8	1631.2	2091.4	3086.9	3342.5	9964.5	16818.3	17374.0	16750.2
70°	1326.1	1305.7	1426.7	1552.8	2408.5	2238.0	5023.2	14621.2	15476.9	16284.8
72.5°	1123.3	1087.5	1252.8	1378.9	1873.3	1716.4	2076.1	11231.0	12274.1	14793.4
75°	871.0	847.1	988.6	1213.6	1407.9	1339.7	1312.5	6819.7	7958.3	11440.6
77.5°	690.3	657.9	787.5	946.0	1266.4	1010.8	956.2	2936.9	4065.2	7303.8
80°	519.9	490.9	598.3	748.3	973.3	761.9	618.7	1198.3	1532.3	3700.5
82.5°	369.9	344.3	417.6	548.9	654.5	683.5	380.1	671.6	755.1	1426.7
85°	236.9	221.6	279.5	344.3	415.9	439.8	231.8	351.1	385.2	588.1
87.5°	129.5	105.7	150.0	160.2	192.6	175.6	110.8	127.8	138.1	213.1
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°
3620.4	0°	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4	3620.4
3627.2	2.5°	3634.0	3639.1	3656.2	3661.3	3673.2	3688.5	3698.8	3709.0	3709.0	3719.2
3681.7	5°	3683.4	3695.4	3731.2	3749.9	3780.6	3811.3	3830.0	3852.2	3865.8	3872.6
3768.7	7.5°	3778.9	3797.6	3848.8	3881.2	3934.0	3976.6	4005.6	4036.3	4043.1	4061.8
3889.7	10°	3908.4	3930.6	3988.5	4049.9	4113.0	4165.8	4193.1	4215.2	4223.8	4227.2
4044.8	12.5°	4056.7	4089.1	4164.1	4239.1	4305.6	4351.6	4358.4	4353.3	4329.4	4309.0
4235.7	15°	4239.1	4268.1	4351.6	4433.4	4498.2	4506.7	4464.1	4436.8	4407.8	4402.7
4448.8	17.5°	4457.3	4472.6	4549.3	4629.4	4634.5	4605.6	4542.5	4516.9	4489.7	4470.9
4726.6	20°	4711.3	4706.1	4760.7	4794.8	4759.0	4670.3	4574.9	4532.3	4505.0	4482.8
5067.5	22.5°	5014.7	4975.4	4968.6	4960.1	4864.7	4678.9	4549.3	4494.8	4452.2	4421.5
5543.0	25°	5456.1	5306.1	5202.1	5144.2	4929.4	4632.8	4467.5	4346.5	4266.4	4213.5
6124.3	27.5°	6008.4	5756.1	5493.6	5352.1	4929.4	4539.1	4269.8	4073.8	3942.5	3888.0
6686.8	30°	6535.1	6270.9	5884.0	5602.7	4917.5	4385.7	3951.0	3678.3	3524.9	3470.4
7167.4	32.5°	6985.1	6697.0	6298.1	5877.1	4888.5	4136.8	3555.6	3253.9	3105.6	3040.8
7643.0	35°	7402.7	7095.9	6714.0	6178.8	4811.8	3772.1	3120.9	2890.8	2725.5	2621.5
8127.1	37.5°	7830.5	7465.7	7107.8	6451.6	4673.8	3345.9	2786.9	2590.8	2396.5	2256.8
8641.8	40°	8295.8	7859.5	7528.8	6613.5	4447.1	2940.3	2527.8	2348.8	2142.6	1994.3
9235.0	42.5°	8839.6	8331.6	7997.5	6697.0	4136.8	2652.2	2359.0	2183.5	1989.2	1868.1
9870.8	45°	9407.2	8851.5	8425.4	6695.3	3790.8	2517.6	2304.5	2130.6	1915.9	1789.7
10523.6	47.5°	10002.0	9395.2	8795.2	6586.2	3490.8	2536.3	2273.8	2016.4	1779.5	1656.8
11183.3	50°	10598.6	9990.1	9153.2	6381.7	3363.0	2495.4	2159.6	1856.2	1576.7	1465.9
11802.0	52.5°	11190.1	10622.5	9461.7	6090.2	3233.4	2343.7	2013.0	1648.3	1493.1	1416.4
12441.2	55°	11784.9	11248.0	9797.5	5665.8	2909.6	2166.4	1767.6	1569.8	1426.7	1356.8
13066.7	57.5°	12381.5	11970.7	10116.2	5241.4	2502.2	1948.2	1632.9	1474.4	1360.2	1300.5
13590.0	60°	13002.0	12797.4	10445.2	4851.0	2099.9	1668.7	1534.1	1397.7	1281.8	1215.3
14092.8	62.5°	13641.2	13707.6	10702.6	4348.2	1730.1	1498.3	1445.4	1305.7	1193.2	1130.1
14508.7	65°	14285.5	14585.4	10871.3	3651.0	1402.8	1336.3	1350.0	1205.1	1090.9	1036.3
14813.9	67.5°	14771.2	15217.8	10823.6	2763.0	1150.5	1182.9	1230.7	1099.4	992.0	949.4
14764.4	70°	14825.8	15142.8	10353.2	1892.0	963.0	1032.9	1097.7	995.4	884.6	854.0
14069.0	72.5°	14099.7	14120.1	9042.4	1235.8	814.8	906.8	957.9	889.8	782.4	751.7
12308.2	75°	12195.7	11677.6	6639.0	814.8	681.8	779.0	826.7	779.0	675.0	681.8
9209.4	77.5°	9240.1	8270.3	4031.2	579.5	569.3	654.5	719.3	685.2	596.6	669.9
4631.1	80°	4760.7	4474.3	1798.3	432.9	450.0	523.3	591.5	547.1	472.1	450.0
1034.6	82.5°	1090.9	1268.2	709.1	310.2	325.6	376.7	451.7	410.8	339.2	286.4
431.2	85°	381.8	417.6	313.6	194.3	190.9	235.2	306.8	274.4	230.1	184.1
182.4	87.5°	121.0	158.5	117.6	78.4	81.8	105.7	141.5	129.5	107.4	69.9
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°
3620.4
3719.2
3876.0
4055.0
4218.6
4309.0
4402.7
4472.6
4484.6
4431.7
4234.0
3915.2
3502.8
3073.2
2655.6
2294.3
2023.2
1892.0
1810.2
1673.8
1472.7
1416.4
1350.0
1290.3
1210.2
1128.4
1034.6
951.1
855.7
750.0
657.9
589.8
410.8
282.9
194.3
73.3
0.0

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