

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: P849563

Luminaire Tested: **GLAN-SB6C-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30371 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

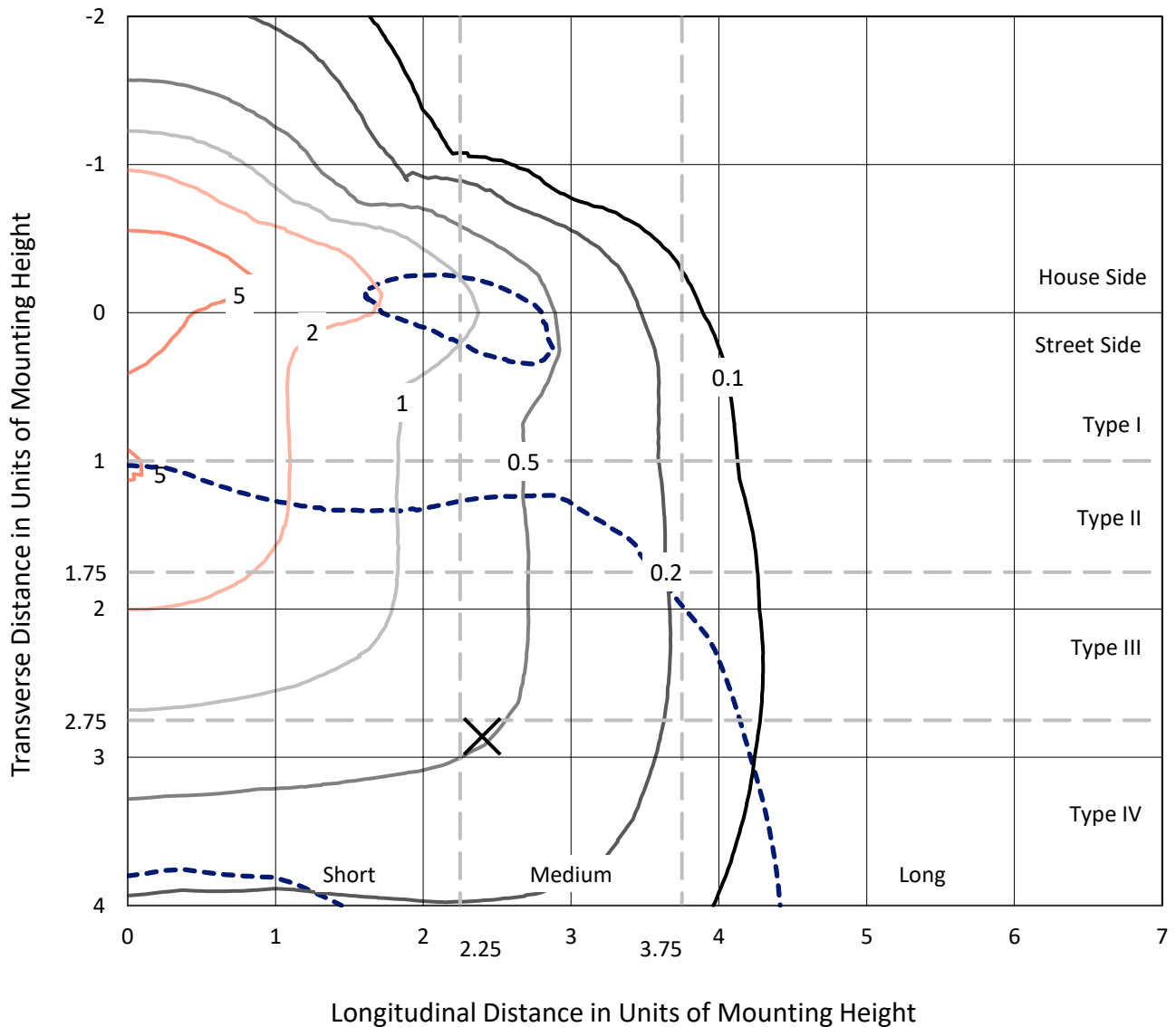
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849563
 CATALOG NUMBER: GLAN-SB6C-930-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

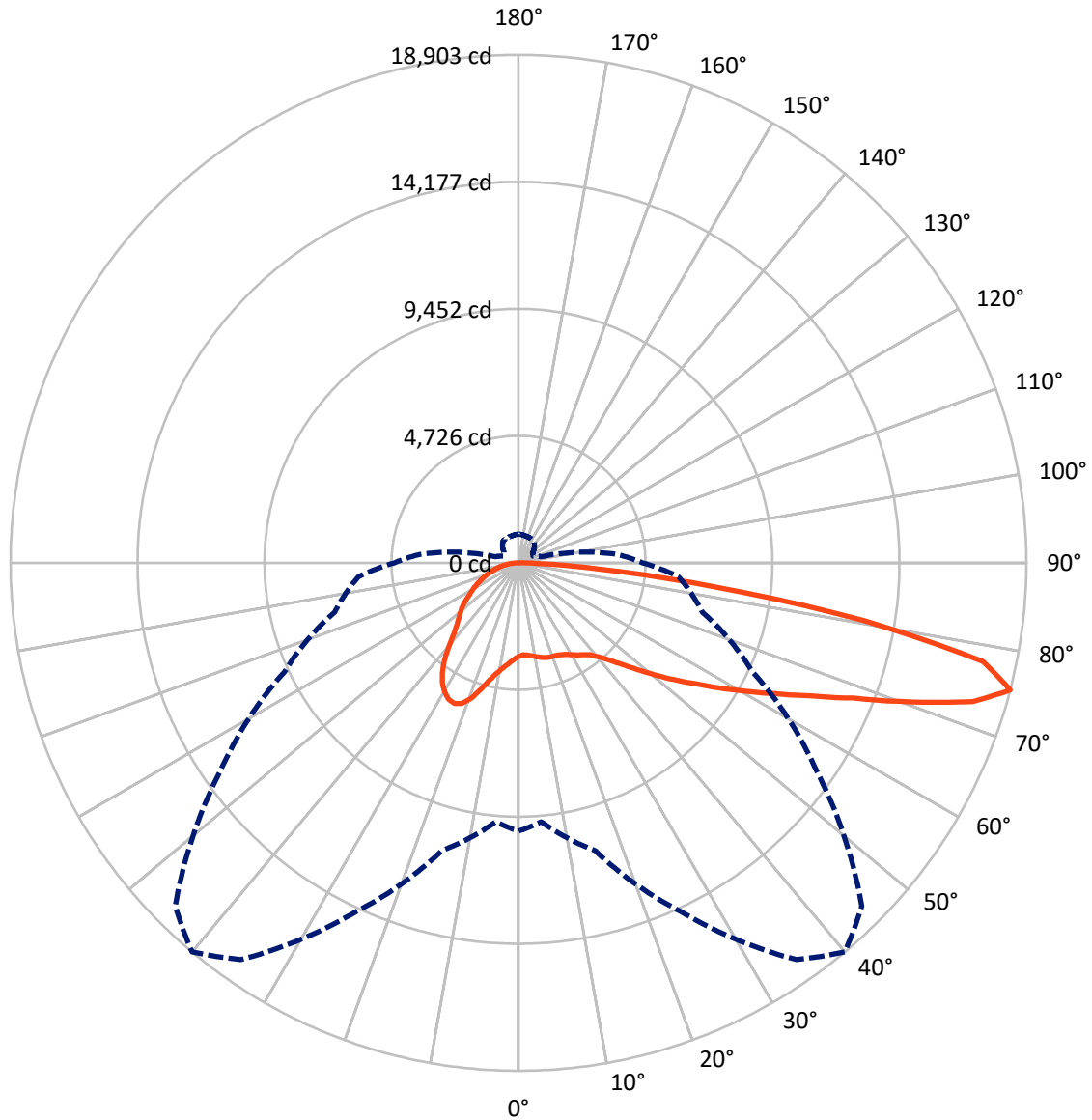
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P849563
CATALOG NUMBER: GLAN-SB6C-930-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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 CATALOG NUMBER: GLAN-SB6C-930-U-SL4

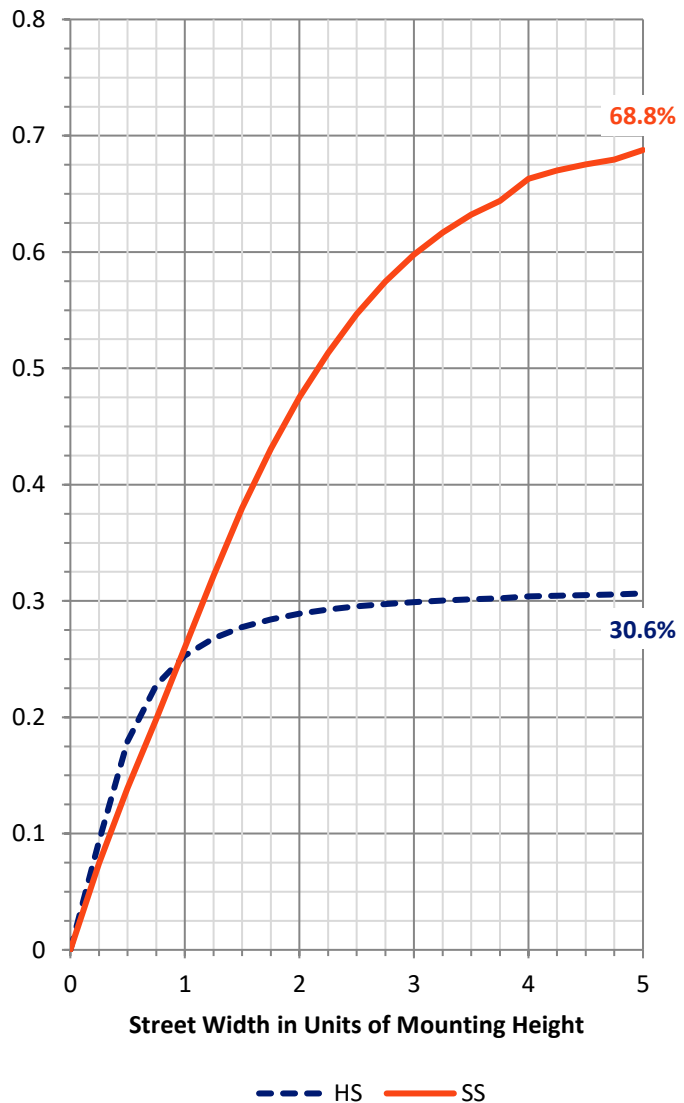
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9410.0	0.0	9410.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20961.0	0.0	20961.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	30371.0	0.0	30371.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	1.1
10°-20°	1163.9	3.8
20°-30°	2125.2	7.0
30°-40°	3014.2	9.9
40°-50°	4070.0	13.4
50°-60°	5475.3	18.0
60°-70°	6949.4	22.9
70°-80°	6307.0	20.8
80°-90°	919.4	3.0
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°	30371.0	100.0
0°-180°	30371.0	100.0

Coefficient of Utilization

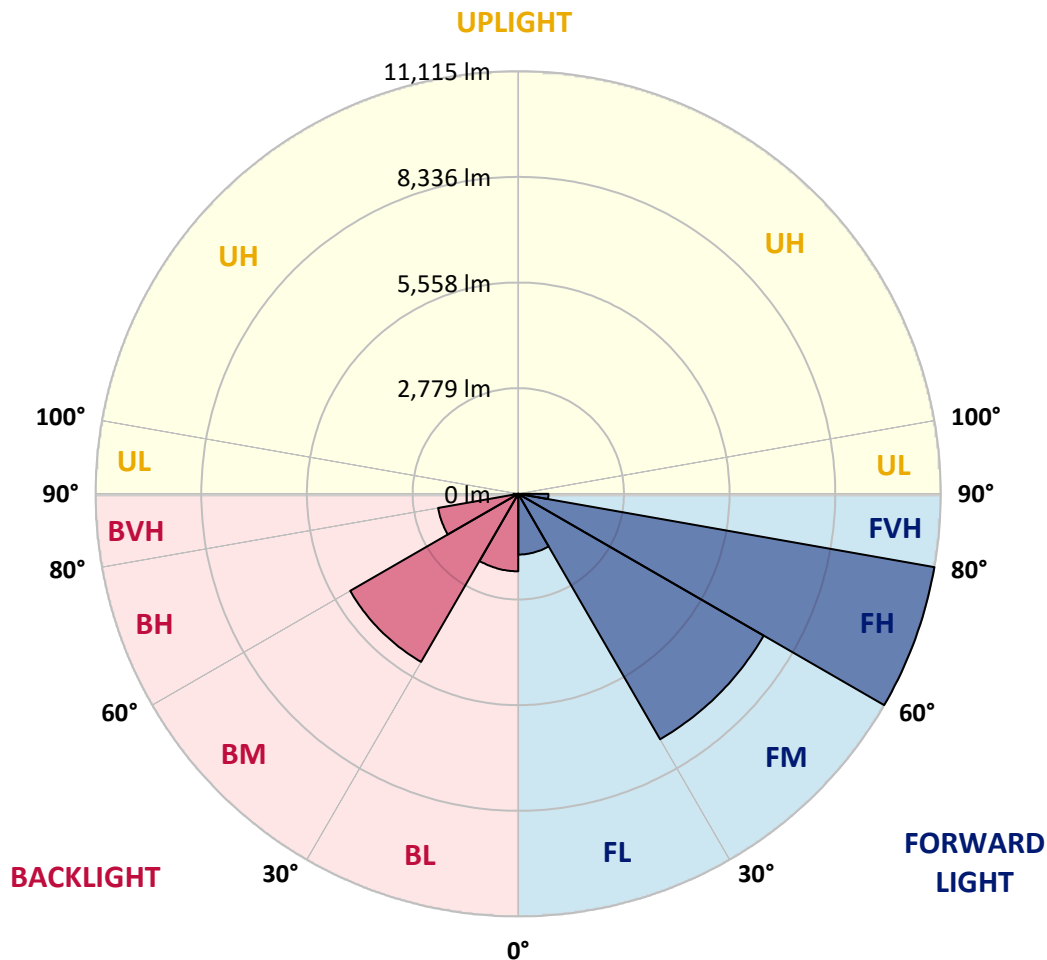


REPORT NUMBER: P849563
 CATALOG NUMBER: GLAN-SB6C-930-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1597.5	5.3			
FM (30°-60°)	7455.4	24.5			
FH (60°-80°)	11115.3	36.6			G4/12000
FVH (80°-90°)	792.8	2.6			G5
BL (0°-30°)	2038.3	6.7	B3/2500		
BM (30°-60°)	5104.1	16.8	B4/8500		
BH (60°-80°)	2141.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	126.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



REPORT NUMBER: P849563

CATALOG NUMBER: GLAN-SB6C-930-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0
2.5°	3419.8	3439.1	3434.3	3427.9	3427.9	3429.5	3427.9	3439.1	3450.4	3461.7
5°	3455.2	3474.6	3464.9	3456.9	3450.4	3448.8	3444.0	3442.4	3448.8	3463.3
7.5°	3524.5	3543.8	3529.3	3514.8	3502.0	3495.5	3489.1	3479.4	3474.6	3482.6
10°	3601.8	3621.2	3603.4	3577.7	3556.7	3548.7	3542.2	3532.6	3526.1	3531.0
12.5°	3679.2	3698.5	3674.3	3638.9	3611.5	3606.7	3598.6	3595.4	3593.8	3592.2
15°	3751.6	3767.7	3737.1	3695.3	3666.3	3658.2	3650.2	3655.0	3663.0	3672.7
17.5°	3808.0	3824.1	3779.0	3724.3	3696.9	3693.6	3688.8	3704.9	3727.5	3751.6
20°	3859.6	3875.7	3817.7	3743.6	3711.4	3711.4	3713.0	3746.8	3779.0	3814.5
22.5°	3932.1	3944.9	3874.1	3772.6	3725.9	3729.1	3742.0	3775.8	3816.1	3864.4
25°	4040.0	4049.6	3962.7	3827.3	3774.2	3783.9	3795.1	3811.2	3849.9	3906.3
27.5°	4213.9	4222.0	4107.6	3924.0	3843.5	3859.6	3875.7	3864.4	3882.1	3930.4
30°	4458.8	4463.6	4318.7	4075.4	3961.0	3969.1	3972.3	3925.6	3891.8	3930.4
32.5°	4748.7	4747.1	4574.8	4259.1	4094.7	4086.7	4059.3	3967.5	3888.6	3922.4
35°	5198.2	5180.5	4958.2	4516.8	4246.2	4196.2	4131.8	4014.2	3904.7	3914.3
37.5°	5942.4	5887.6	5579.9	4938.8	4471.7	4344.4	4249.4	4089.9	3940.1	3911.1
40°	6781.6	6712.4	6374.1	5517.1	4810.0	4605.4	4452.4	4197.8	3998.1	3925.6
42.5°	7777.1	7678.9	7314.8	6198.5	5238.4	4942.0	4711.7	4334.8	4083.5	3972.3
45°	8999.7	8869.3	8353.8	6966.9	5778.1	5383.4	5075.7	4542.6	4213.9	4062.5
47.5°	10235.3	10267.5	9534.5	7846.4	6425.6	5927.9	5531.6	4855.1	4404.0	4207.5
50°	11548.1	11570.6	10708.8	8820.9	7160.2	6543.2	6043.9	5204.6	4668.2	4413.7
52.5°	12572.6	12575.8	11775.2	9840.6	7925.3	7219.8	6596.4	5604.1	4974.3	4687.5
55°	13213.7	13205.6	12522.6	10805.5	8804.8	7930.1	7208.5	6058.4	5348.0	5009.7
57.5°	13679.2	13655.1	13038.1	11635.1	9742.3	8769.4	7901.2	6573.8	5789.3	5393.1
60°	13856.4	13841.9	13387.7	12351.9	10728.2	9697.2	8700.1	7150.5	6290.3	5845.7
62.5°	13924.1	13951.5	13730.8	13046.2	11783.3	10725.0	9578.0	7839.9	6854.1	6358.0
65°	14162.5	14212.4	14167.3	13954.7	12975.3	11928.2	10742.7	8659.9	7469.5	6907.3
67.5°	14634.5	14684.4	14703.7	15042.0	14431.5	13427.9	12195.6	9681.1	8189.5	7477.5
70°	14623.2	14608.7	14950.2	15907.0	16255.0	15504.3	14154.4	10937.6	9048.1	7951.1
72.5°	13310.3	13194.4	14001.4	15897.3	17772.4	17672.5	16546.5	12558.1	9789.1	8009.1
75°	9985.6	9676.3	11101.9	14326.8	18025.3	18903.2	18067.1	13563.2	9613.5	7076.4
77.5°	4270.3	3959.4	5639.5	10605.8	16132.5	17670.9	16672.2	11833.2	7674.0	4679.5
80°	1117.9	1116.3	1704.3	4808.3	10971.4	13049.4	11448.2	7641.8	4384.7	1672.0
82.5°	462.3	451.0	626.6	1870.2	5360.9	7322.9	5976.2	3408.5	1583.5	452.6
85°	172.4	170.7	304.4	645.9	1891.1	3020.3	2185.9	871.5	394.7	220.7
87.5°	48.3	46.7	66.0	223.9	460.7	699.1	373.7	143.4	111.1	87.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849563
 CATALOG NUMBER: GLAN-SB6C-930-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3473.0	0°	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0	3473.0
3479.4	2.5°	3484.2	3492.3	3506.8	3518.1	3532.6	3548.7	3571.2	3585.7	3600.2	3609.9
3487.5	5°	3498.7	3516.5	3553.5	3590.6	3634.0	3674.3	3721.0	3754.9	3782.2	3790.3
3516.5	7.5°	3531.0	3559.9	3622.8	3685.6	3754.9	3820.9	3888.6	3946.6	3993.3	4011.0
3568.0	10°	3587.3	3626.0	3714.6	3803.2	3895.0	3996.5	4083.5	4167.2	4233.3	4260.7
3629.2	12.5°	3658.2	3706.5	3822.5	3944.9	4072.2	4212.3	4325.1	4428.2	4510.3	4547.4
3714.6	15°	3750.0	3812.9	3961.0	4125.4	4312.2	4507.1	4650.5	4764.9	4856.7	4901.8
3803.2	17.5°	3849.9	3933.7	4120.5	4368.6	4636.0	4892.1	5059.6	5143.4	5238.4	5281.9
3885.3	20°	3946.6	4049.6	4317.0	4677.9	5033.9	5306.1	5441.4	5464.0	5470.4	5475.2
3962.7	22.5°	4046.4	4185.0	4563.5	5067.7	5449.5	5637.9	5657.3	5560.6	5425.3	5362.5
4038.4	25°	4156.0	4339.6	4885.7	5497.8	5807.1	5829.6	5681.4	5446.2	5190.1	5072.5
4099.6	27.5°	4262.3	4518.4	5272.3	5908.5	6064.8	5866.7	5547.7	5214.3	4905.0	4781.0
4143.1	30°	4368.6	4723.0	5699.1	6267.8	6182.4	5774.9	5336.7	4964.6	4653.7	4523.2
4181.7	32.5°	4476.5	4961.4	6190.4	6527.1	6161.5	5579.9	5074.1	4684.3	4410.5	4273.6
4215.6	35°	4598.9	5254.5	6656.0	6668.9	6021.3	5293.2	4727.8	4349.3	4110.9	4001.3
4255.8	37.5°	4758.4	5626.7	7066.7	6704.3	5776.5	4872.8	4297.7	3953.0	3756.5	3706.5
4315.4	40°	4956.5	6074.5	7380.9	6647.9	5414.0	4362.1	3827.3	3551.9	3440.7	3452.0
4396.0	42.5°	5214.3	6575.4	7601.5	6502.9	4909.8	3835.4	3415.0	3292.6	3345.7	3390.8
4516.8	45°	5549.3	7095.7	7738.5	6256.5	4339.6	3389.2	3171.7	3200.7	3241.0	3245.8
4711.7	47.5°	5977.8	7622.5	7828.7	5884.4	3758.1	3075.1	3017.1	3023.5	3015.5	2981.7
5003.3	50°	6512.6	8134.7	7909.2	5391.5	3263.6	2878.6	2801.2	2778.7	2667.5	2558.0
5391.5	52.5°	7121.5	8605.1	7943.0	4779.4	2878.6	2714.3	2588.6	2446.9	2239.1	2205.2
5879.6	55°	7798.1	9040.0	7856.1	4027.1	2554.8	2503.2	2313.2	2142.4	2119.9	2090.9
6522.3	57.5°	8606.7	9508.8	7678.9	3187.8	2223.0	2256.8	2071.5	2090.9	2050.6	2005.5
7348.6	60°	9491.1	9993.6	7368.0	2422.7	1879.8	1949.1	2008.7	2007.1	1995.8	1958.8
8220.1	62.5°	10286.8	10312.6	6755.8	1855.7	1578.6	1710.7	1873.4	1871.8	1862.1	1841.2
9130.2	65°	10760.4	10264.3	5734.6	1461.0	1330.6	1514.2	1689.8	1702.7	1704.3	1702.7
9814.8	67.5°	10676.6	9698.8	4333.2	1163.0	1126.0	1314.4	1507.7	1525.5	1538.3	1541.6
9901.8	70°	9729.5	8456.9	2825.4	927.8	944.0	1138.9	1335.4	1353.1	1364.4	1377.3
8592.2	72.5°	7583.8	6217.8	1617.3	750.6	784.5	987.4	1164.6	1185.6	1192.0	1216.2
5979.4	75°	4621.5	3656.6	873.1	591.2	644.3	844.1	995.5	1019.7	1030.9	1059.9
2936.6	77.5°	2197.2	1583.5	497.7	460.7	518.7	689.4	840.9	868.2	837.6	853.7
810.3	80°	742.6	588.0	314.1	351.2	396.3	538.0	673.3	700.7	636.3	633.1
269.0	82.5°	259.3	238.4	199.7	233.6	256.1	385.0	509.0	544.5	473.6	472.0
120.8	85°	101.5	96.7	111.1	127.3	153.0	236.8	335.1	352.8	291.6	235.2
35.4	87.5°	20.9	22.6	27.4	29.0	46.7	82.2	120.8	148.2	117.6	99.9
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°
3473.0
3603.4
3793.5
4012.6
4262.3
4547.4
4898.6
5280.3
5488.1
5380.2
5090.2
4795.5
4537.7
4291.3
4025.5
3742.0
3490.7
3432.7
3278.1
3007.4
2572.5
2216.5
2095.7
1997.4
1945.9
1833.1
1702.7
1544.8
1383.7
1225.8
1063.2
840.9
626.6
449.4
232.0
91.8
0.0

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