

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: P849363

Luminaire Tested: **GLAN-SB6B-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849363
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-SB6B-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30102 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

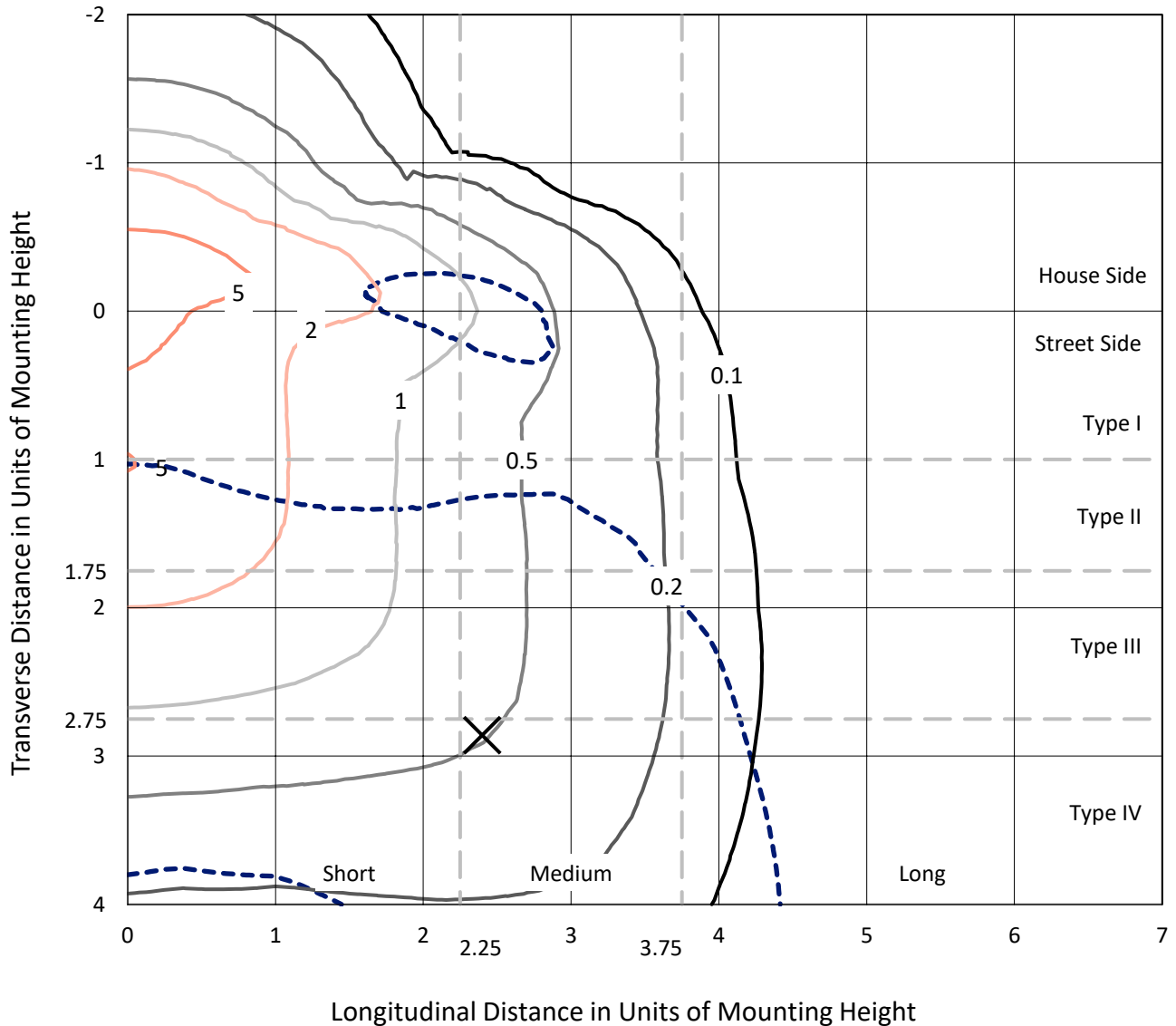
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

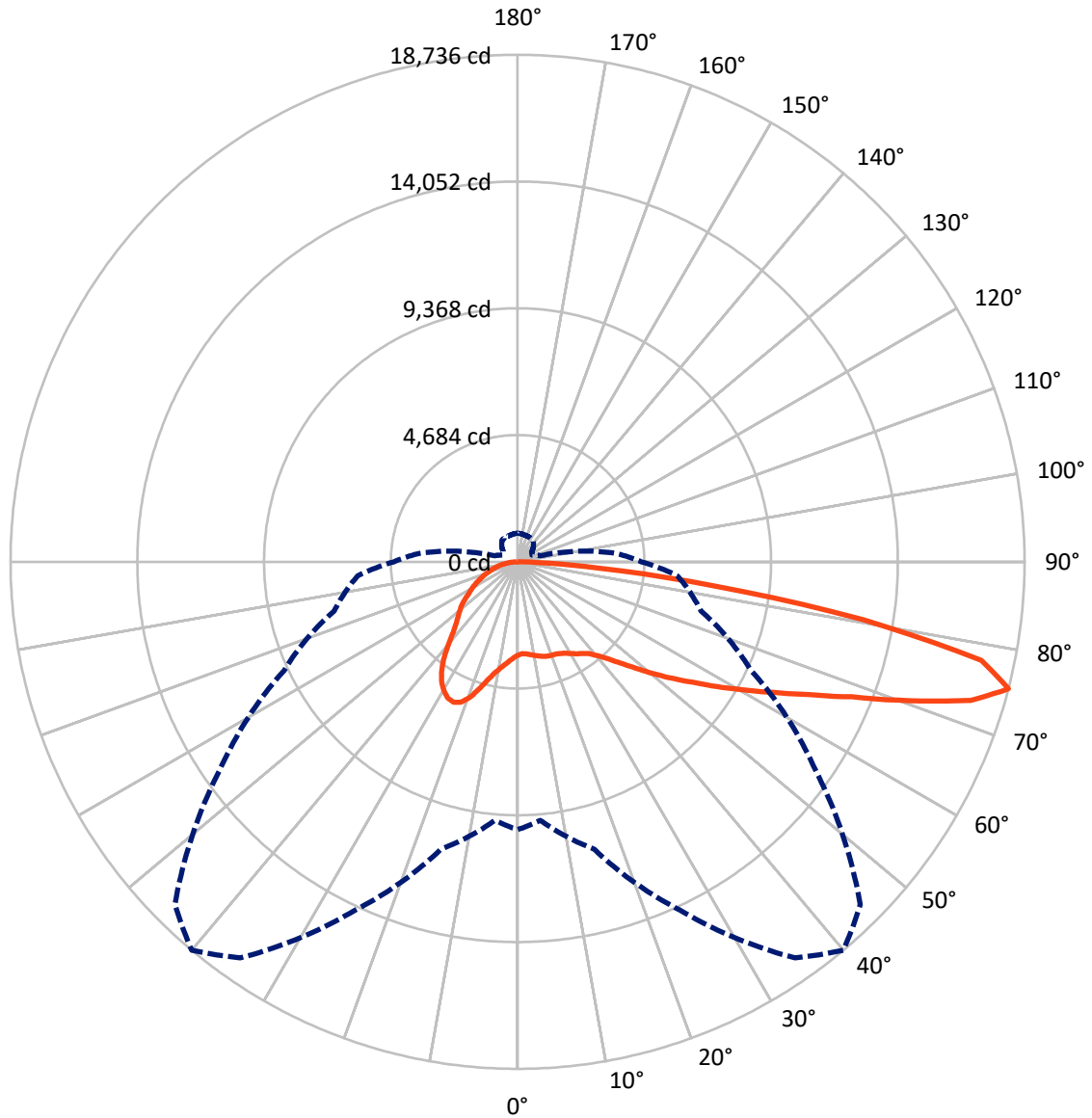
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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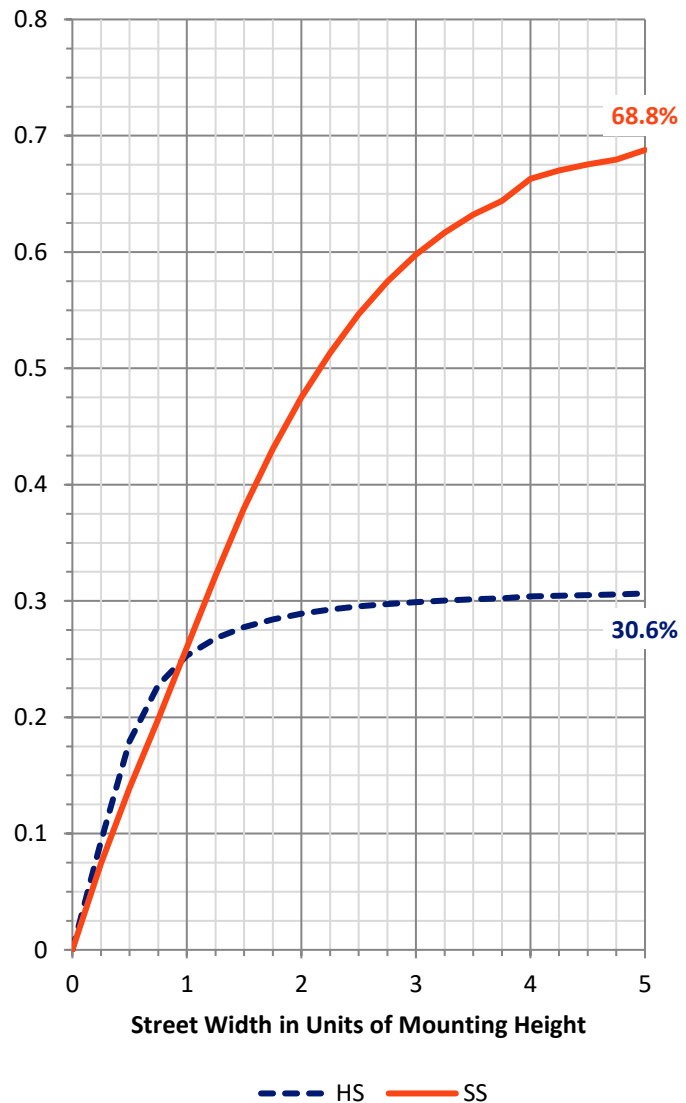
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9326.6	0.0	9326.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20775.4	0.0	20775.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	30102.0	0.0	30102.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.6	1.1
10°-20°	1153.6	3.8
20°-30°	2106.4	7.0
30°-40°	2987.5	9.9
40°-50°	4034.0	13.4
50°-60°	5426.8	18.0
60°-70°	6887.8	22.9
70°-80°	6251.1	20.8
80°-90°	911.2	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°	30102.0	100.0
0°-180°	30102.0	100.0

Coefficient of Utilization

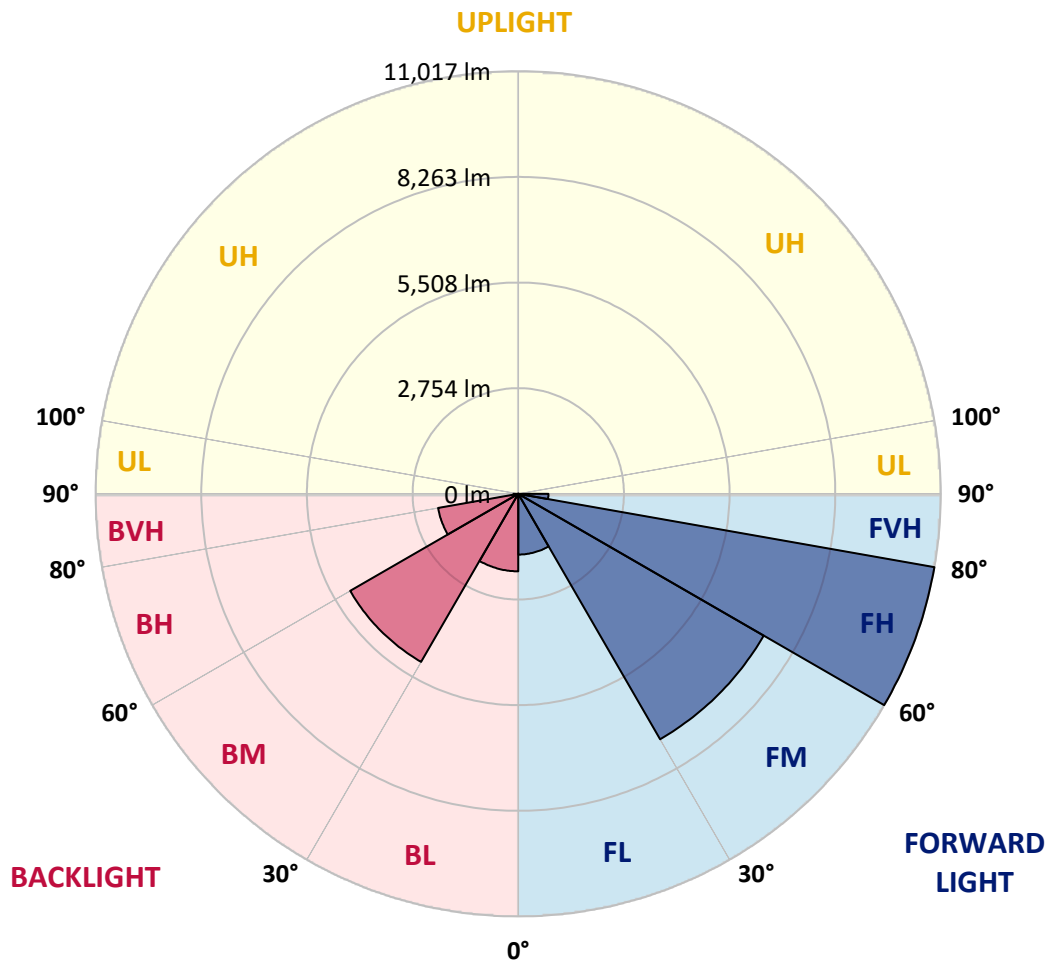


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1583.4	5.3			
FM (30°-60°)	7389.4	24.5			
FH (60°-80°)	11016.9	36.6			G4/12000
FVH (80°-90°)	785.8	2.6			G5
BL (0°-30°)	2020.2	6.7	B3/2500		
BM (30°-60°)	5058.8	16.8	B4/8500		
BH (60°-80°)	2122.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	125.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2
2.5°	3389.5	3408.7	3403.9	3397.5	3397.5	3399.1	3397.5	3408.7	3419.9	3431.0
5°	3424.6	3443.8	3434.2	3426.2	3419.9	3418.3	3413.5	3411.9	3418.3	3432.6
7.5°	3493.3	3512.5	3498.1	3483.7	3470.9	3464.6	3458.2	3448.6	3443.8	3451.8
10°	3569.9	3589.1	3571.5	3546.0	3525.2	3517.2	3510.9	3501.3	3494.9	3499.7
12.5°	3646.6	3665.7	3641.8	3606.7	3579.5	3574.7	3566.7	3563.5	3561.9	3560.3
15°	3718.4	3734.4	3704.0	3662.5	3633.8	3625.8	3617.8	3622.6	3630.6	3640.2
17.5°	3774.3	3790.3	3745.6	3691.3	3664.1	3660.9	3656.1	3672.1	3694.5	3718.4
20°	3825.4	3841.3	3783.9	3710.4	3678.5	3678.5	3680.1	3713.6	3745.6	3780.7
22.5°	3897.2	3910.0	3839.7	3739.2	3692.9	3696.1	3708.8	3742.4	3782.3	3830.2
25°	4004.2	4013.8	3927.6	3793.4	3740.8	3750.3	3761.5	3777.5	3815.8	3871.7
27.5°	4176.6	4184.6	4071.3	3889.2	3809.4	3825.4	3841.3	3830.2	3847.7	3895.6
30°	4419.3	4424.1	4280.4	4039.3	3926.0	3933.9	3937.1	3890.8	3857.3	3895.6
32.5°	4706.7	4705.1	4534.3	4221.3	4058.5	4050.5	4023.4	3932.4	3854.1	3887.6
35°	5152.1	5134.6	4914.2	4476.8	4208.6	4159.1	4095.2	3978.7	3870.1	3879.7
37.5°	5889.7	5835.5	5530.5	4895.1	4432.1	4305.9	4211.8	4053.7	3905.2	3876.5
40°	6721.6	6652.9	6317.6	5468.3	4767.4	4564.6	4412.9	4160.7	3962.7	3890.8
42.5°	7708.2	7610.8	7250.0	6143.6	5192.0	4898.3	4670.0	4296.4	4047.3	3937.1
45°	8920.0	8790.7	8279.8	6905.2	5726.9	5335.7	5030.8	4502.3	4176.6	4026.5
47.5°	10144.6	10176.5	9450.1	7776.9	6368.7	5875.4	5482.6	4812.1	4365.0	4170.2
50°	11445.8	11468.2	10614.0	8742.8	7096.8	6485.3	5990.3	5158.5	4626.9	4374.6
52.5°	12461.2	12464.4	11670.9	9753.4	7855.1	7155.8	6538.0	5554.5	4930.2	4646.0
55°	13096.7	13088.7	12411.7	10709.8	8726.8	7859.9	7144.6	6004.7	5300.6	4965.3
57.5°	13558.1	13534.1	12922.6	11532.0	9656.1	8691.7	7831.2	6515.6	5738.1	5345.3
60°	13733.7	13719.3	13269.1	12242.5	10633.2	9611.3	8623.1	7087.2	6234.6	5794.0
62.5°	13800.7	13827.9	13609.2	12930.6	11678.9	10630.0	9493.2	7770.5	6793.4	6301.7
65°	14037.0	14086.5	14041.8	13831.1	12860.4	11822.6	10647.5	8583.2	7403.3	6846.1
67.5°	14504.8	14554.3	14573.5	14908.8	14303.7	13309.0	12087.6	9595.4	8117.0	7411.3
70°	14493.7	14479.3	14817.8	15766.1	16111.0	15367.0	14029.1	10840.7	8967.9	7880.7
72.5°	13192.5	13077.5	13877.4	15756.5	17615.0	17516.0	16400.0	12446.9	9702.4	7938.1
75°	9897.1	9590.6	11003.6	14199.9	17865.6	18735.7	17907.1	13443.1	9528.3	7013.7
77.5°	4232.5	3924.4	5589.6	10511.8	15989.6	17514.4	16524.5	11728.4	7606.1	4638.0
80°	1108.0	1106.4	1689.2	4765.8	10874.2	12933.8	11346.8	7574.1	4345.9	1657.2
82.5°	458.2	447.0	621.1	1853.6	5313.4	7258.0	5923.3	3378.3	1569.4	448.6
85°	170.8	169.2	301.8	640.2	1874.4	2993.6	2166.5	863.7	391.2	218.7
87.5°	47.9	46.3	65.5	221.9	456.6	692.9	370.4	142.1	110.2	86.2
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°
3442.2	0°	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2	3442.2
3448.6	2.5°	3453.4	3461.4	3475.7	3486.9	3501.3	3517.2	3539.6	3554.0	3568.3	3577.9
3456.6	5°	3467.7	3485.3	3522.0	3558.8	3601.9	3641.8	3688.1	3721.6	3748.7	3756.7
3485.3	7.5°	3499.7	3528.4	3590.7	3653.0	3721.6	3787.1	3854.1	3911.6	3957.9	3975.5
3536.4	10°	3555.6	3593.9	3681.7	3769.5	3860.5	3961.1	4047.3	4130.3	4195.8	4222.9
3597.1	12.5°	3625.8	3673.7	3788.7	3910.0	4036.1	4175.0	4286.8	4389.0	4470.4	4507.1
3681.7	15°	3716.8	3779.1	3926.0	4088.8	4274.0	4467.2	4609.3	4722.7	4813.7	4858.4
3769.5	17.5°	3815.8	3898.8	4084.0	4329.9	4594.9	4848.8	5014.8	5097.8	5192.0	5235.2
3850.9	20°	3911.6	4013.8	4278.8	4636.4	4989.3	5259.1	5393.2	5415.6	5421.9	5426.7
3927.6	22.5°	4010.6	4147.9	4523.1	5022.8	5401.2	5588.0	5607.2	5511.4	5377.2	5315.0
4002.6	25°	4119.1	4301.2	4842.4	5449.1	5755.6	5778.0	5631.1	5398.0	5144.1	5027.6
4063.3	27.5°	4224.5	4478.4	5225.6	5856.2	6011.1	5814.7	5498.6	5168.1	4861.6	4738.6
4106.4	30°	4329.9	4681.1	5648.7	6212.3	6127.6	5723.7	5289.4	4920.6	4612.5	4483.2
4144.7	32.5°	4436.9	4917.4	6135.6	6469.3	6106.9	5530.5	5029.2	4642.8	4371.4	4235.7
4178.2	35°	4558.2	5208.0	6597.0	6609.8	5968.0	5246.3	4685.9	4310.7	4074.4	3965.9
4218.1	37.5°	4716.3	5576.8	7004.2	6644.9	5725.3	4829.6	4259.6	3918.0	3723.2	3673.7
4277.2	40°	4912.6	6020.7	7315.5	6589.0	5366.1	4323.5	3793.4	3520.4	3410.3	3421.4
4357.0	42.5°	5168.1	6517.2	7534.2	6445.4	4866.3	3801.4	3384.7	3263.4	3316.1	3360.8
4476.8	45°	5500.2	7032.9	7669.9	6201.1	4301.2	3359.2	3143.6	3172.4	3212.3	3217.1
4670.0	47.5°	5924.9	7555.0	7759.3	5832.3	3724.8	3047.9	2990.4	2996.8	2988.8	2955.3
4958.9	50°	6454.9	8062.7	7839.2	5343.7	3234.6	2853.1	2776.4	2754.1	2643.9	2535.4
5343.7	52.5°	7058.4	8528.9	7872.7	4737.0	2853.1	2690.2	2565.7	2425.2	2219.2	2185.7
5827.5	55°	7729.0	8959.9	7786.5	3991.4	2532.2	2481.1	2292.7	2123.4	2101.1	2072.3
6464.5	57.5°	8530.5	9424.5	7610.8	3159.6	2203.3	2236.8	2053.2	2072.3	2032.4	1987.7
7283.5	60°	9407.0	9905.1	7302.7	2401.2	1863.2	1931.8	1990.9	1989.3	1978.1	1941.4
8147.3	62.5°	10195.7	10221.2	6696.0	1839.2	1564.6	1695.6	1856.8	1855.2	1845.6	1824.9
9049.4	65°	10665.1	10173.3	5683.8	1448.1	1318.8	1500.8	1674.8	1687.6	1689.2	1687.6
9727.9	67.5°	10582.1	9612.9	4294.8	1152.7	1116.0	1302.8	1494.4	1512.0	1524.7	1527.9
9814.1	70°	9643.3	8382.0	2800.4	919.6	935.6	1128.8	1323.6	1341.1	1352.3	1365.1
8516.1	72.5°	7516.6	6162.8	1603.0	744.0	777.5	978.7	1154.3	1175.1	1181.5	1205.4
5926.5	75°	4580.6	3624.2	865.3	585.9	638.6	836.6	986.7	1010.6	1021.8	1050.5
2910.5	77.5°	2177.7	1569.4	493.3	456.6	514.1	683.3	833.4	860.6	830.2	846.2
803.1	80°	736.0	582.7	311.3	348.1	392.8	533.3	667.4	694.5	630.6	627.5
266.6	82.5°	257.0	236.3	198.0	231.5	253.9	381.6	504.5	539.6	469.4	467.8
119.7	85°	100.6	95.8	110.2	126.1	151.7	234.7	332.1	349.6	289.0	233.1
35.1	87.5°	20.8	22.4	27.1	28.7	46.3	81.4	119.7	146.9	116.5	99.0
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°
3442.2
3571.5
3759.9
3977.1
4224.5
4507.1
4855.2
5233.6
5439.5
5332.5
5045.2
4753.0
4497.5
4253.3
3989.8
3708.8
3459.8
3402.3
3249.0
2980.8
2549.7
2196.9
2077.1
1979.7
1928.7
1816.9
1687.6
1531.1
1371.5
1215.0
1053.7
833.4
621.1
445.4
229.9
91.0
0.0

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