

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: P849793

Luminaire Tested: **GLAN-SB7A-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849793  
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-SB7A-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30547 lumens  
Efficiency: N/A  
Efficacy: 153.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

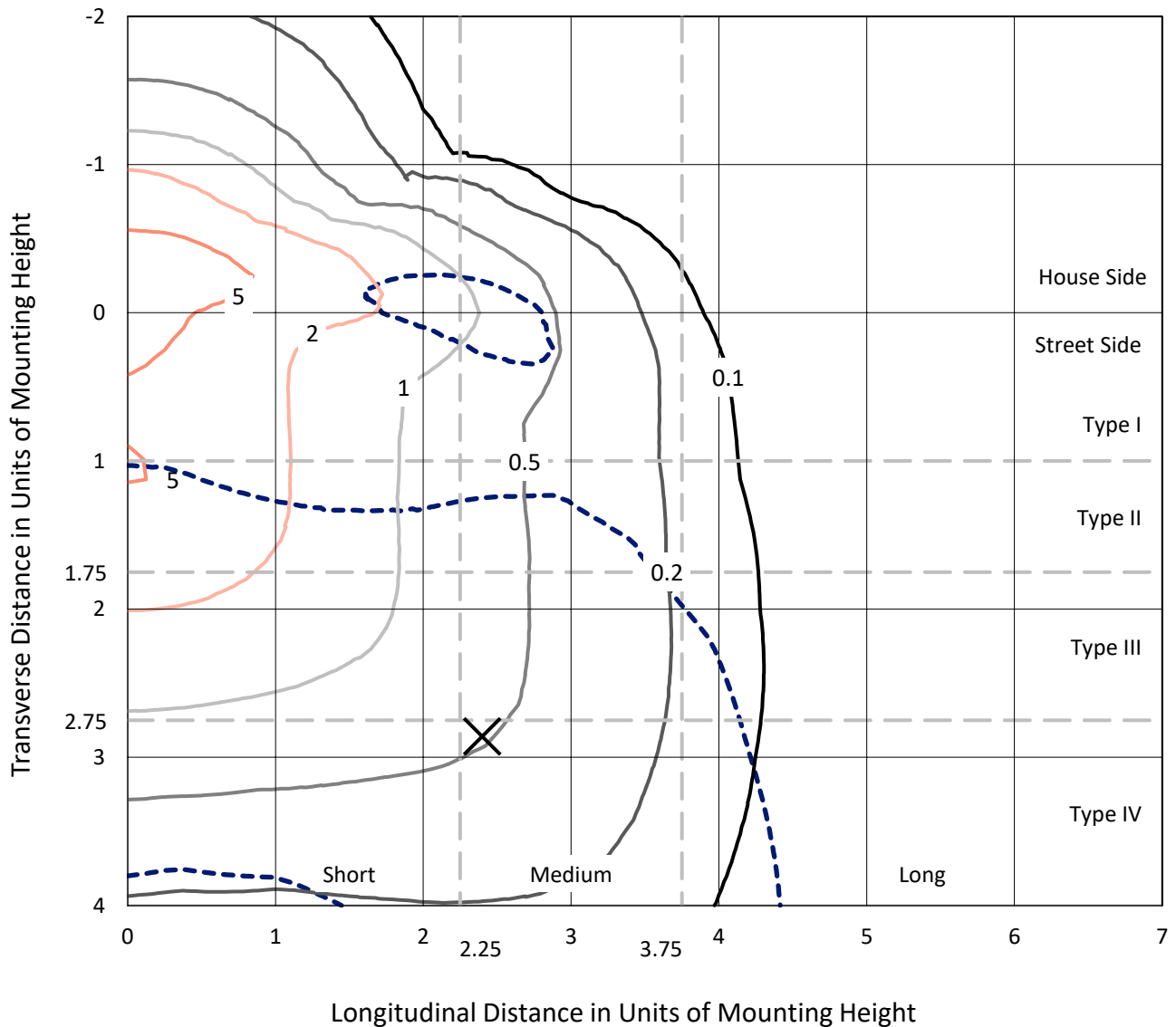
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

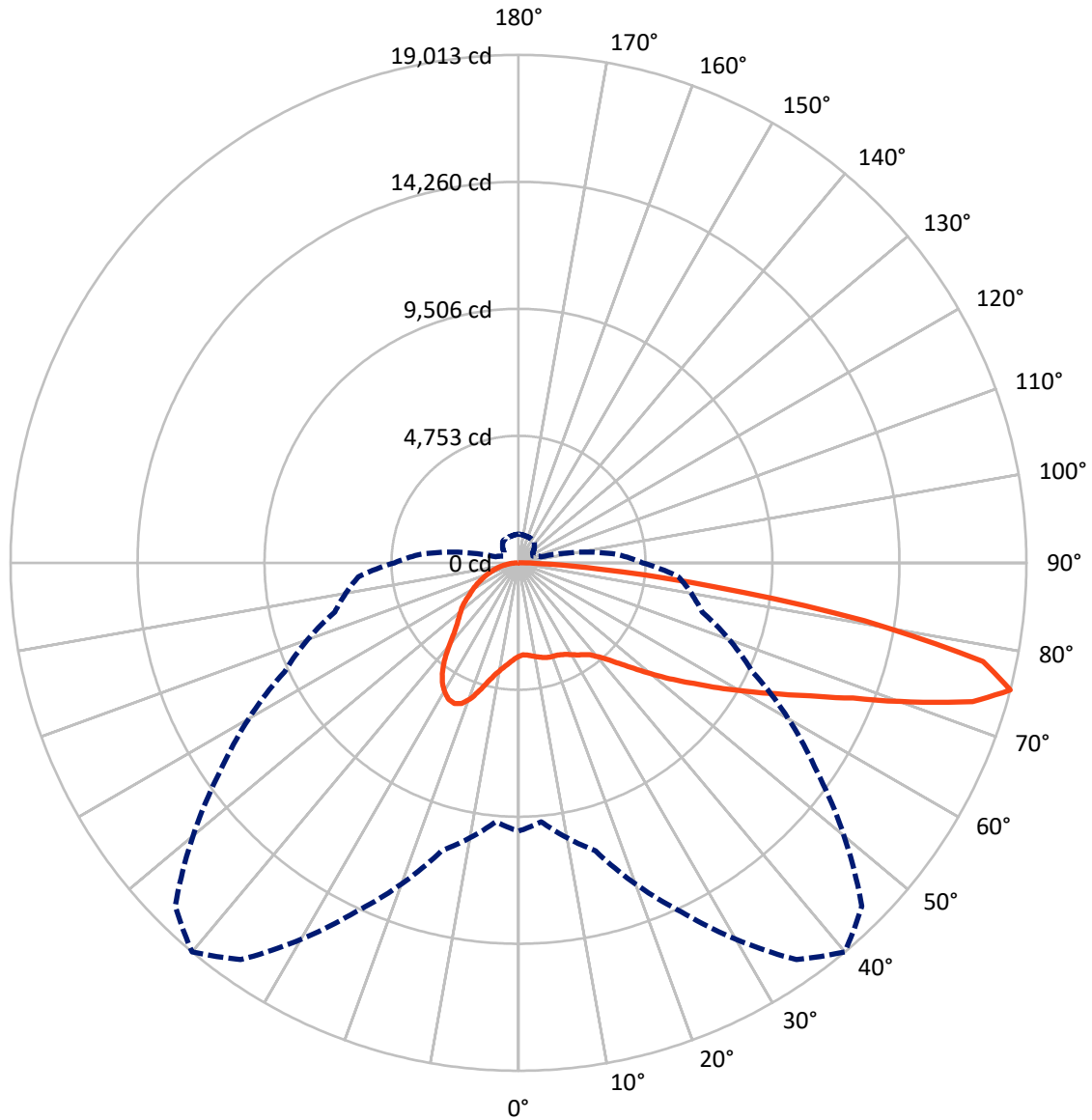
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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
<b>House Side</b>	Lumens	9464.5	0.0	9464.5
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	21082.5	0.0	21082.5
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	30547.0	0.0	30547.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.7	1.1
10°-20°	1170.7	3.8
20°-30°	2137.5	7.0
30°-40°	3031.6	9.9
40°-50°	4093.6	13.4
50°-60°	5507.0	18.0
60°-70°	6989.6	22.9
70°-80°	6343.5	20.8
80°-90°	924.7	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°	30547.0	100.0
0°-180°	30547.0	100.0

**Coefficient of Utilization**

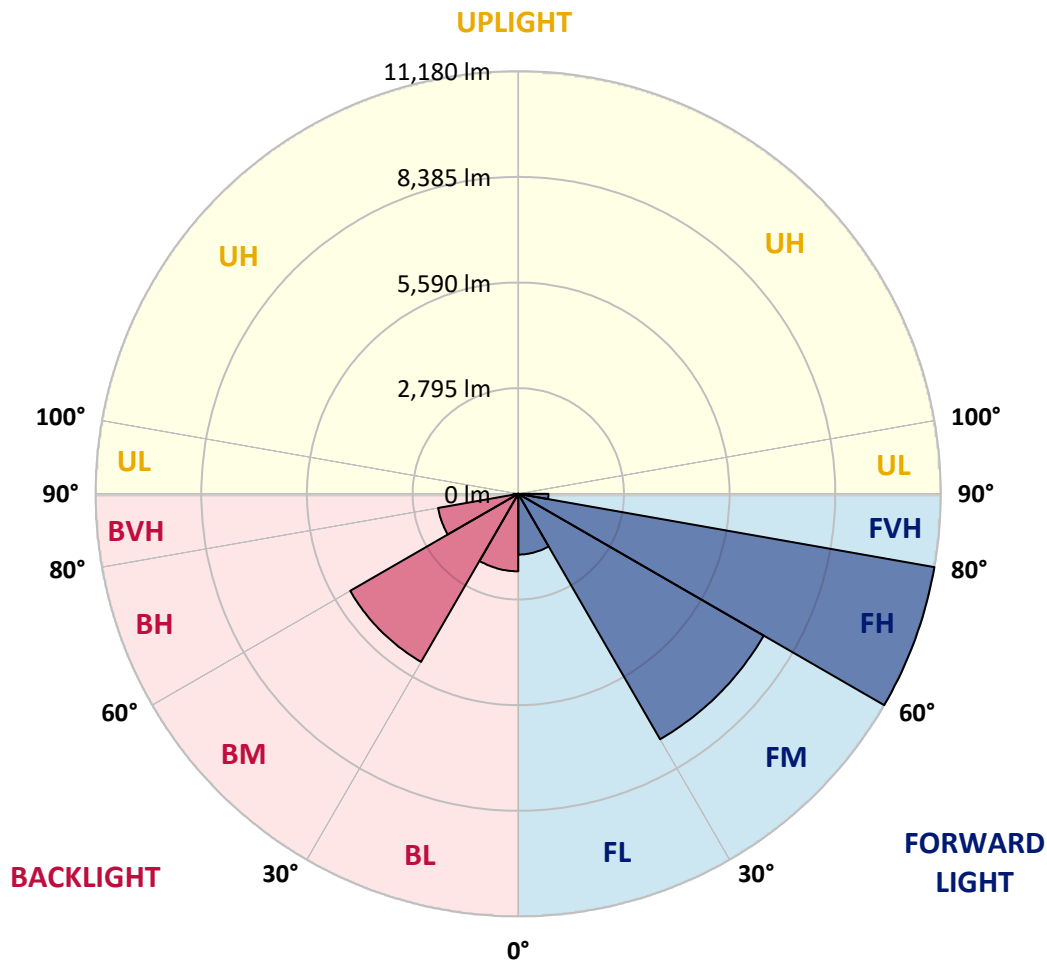


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1606.8	5.3			
FM (30°-60°)	7498.6	24.5			
FH (60°-80°)	11179.7	36.6			G4/12000
FVH (80°-90°)	797.4	2.6			G5
BL (0°-30°)	2050.1	6.7	B3/2500		
BM (30°-60°)	5133.6	16.8	B4/8500		
BH (60°-80°)	2153.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	127.3	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°	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1
2.5°	3439.6	3459.1	3454.2	3447.7	3447.7	3449.3	3447.7	3459.1	3470.4	3481.7
5°	3475.3	3494.7	3485.0	3476.9	3470.4	3468.8	3463.9	3462.3	3468.8	3483.4
7.5°	3544.9	3564.4	3549.8	3535.2	3522.3	3515.8	3509.3	3499.6	3494.7	3502.8
10°	3622.7	3642.1	3624.3	3598.4	3577.3	3569.2	3562.8	3553.0	3546.6	3551.4
12.5°	3700.5	3719.9	3695.6	3660.0	3632.4	3627.6	3619.5	3616.2	3614.6	3613.0
15°	3773.4	3789.6	3758.8	3716.7	3687.5	3679.4	3671.3	3676.2	3684.3	3694.0
17.5°	3830.1	3846.3	3800.9	3745.8	3718.3	3715.1	3710.2	3726.4	3749.1	3773.4
20°	3881.9	3898.1	3839.8	3765.3	3732.9	3732.9	3734.5	3768.5	3800.9	3836.6
22.5°	3954.8	3967.8	3896.5	3794.4	3747.5	3750.7	3763.7	3797.7	3838.2	3886.8
25°	4063.4	4073.1	3985.6	3849.5	3796.1	3805.8	3817.1	3833.3	3872.2	3928.9
27.5°	4238.4	4246.5	4131.4	3946.7	3865.7	3881.9	3898.1	3886.8	3904.6	3953.2
30°	4484.6	4489.5	4343.7	4099.0	3984.0	3992.1	3995.3	3948.4	3914.3	3953.2
32.5°	4776.3	4774.6	4601.3	4283.7	4118.5	4110.4	4082.8	3990.5	3911.1	3945.1
35°	5228.3	5210.5	4986.9	4543.0	4270.8	4220.5	4155.7	4037.5	3927.3	3937.0
37.5°	5976.8	5921.7	5612.3	4967.4	4497.6	4369.6	4274.0	4113.6	3962.9	3933.8
40°	6820.9	6751.3	6411.0	5549.1	4837.8	4632.1	4478.2	4222.2	4021.3	3948.4
42.5°	7822.2	7723.4	7357.2	6234.4	5268.8	4970.7	4739.0	4359.9	4107.1	3995.3
45°	9051.9	8920.7	8402.2	7007.2	5811.6	5414.6	5105.2	4568.9	4238.4	4086.1
47.5°	10294.6	10327.0	9589.8	7891.9	6462.9	5962.2	5563.7	4883.2	4429.5	4231.9
50°	11615.0	11637.7	10770.9	8872.1	7201.7	6581.1	6078.9	5234.8	4695.3	4439.3
52.5°	12645.4	12648.7	11843.5	9897.6	7971.2	7261.6	6634.6	5636.6	5003.1	4714.7
55°	13290.3	13282.2	12595.2	10868.1	8855.9	7976.1	7250.3	6093.5	5379.0	5038.7
57.5°	13758.5	13734.2	13113.7	11702.5	9798.8	8820.2	7946.9	6611.9	5822.9	5424.3
60°	13936.7	13922.1	13465.2	12423.5	10790.3	9753.4	8750.5	7191.9	6326.8	5879.6
62.5°	14004.8	14032.3	13810.3	13121.8	11851.6	10787.1	9633.5	7885.4	6893.8	6394.8
65°	14244.5	14294.8	14249.4	14035.5	13050.5	11997.4	10804.9	8710.0	7512.7	6947.3
67.5°	14719.3	14769.5	14788.9	15129.2	14515.1	13505.8	12266.3	9737.2	8237.0	7520.8
70°	14707.9	14693.3	15036.8	15999.2	16349.2	15594.2	14236.4	11001.0	9100.5	7997.2
72.5°	13387.5	13270.8	14082.5	15989.5	17875.4	17774.9	16642.4	12630.9	9845.8	8055.5
75°	10043.4	9732.4	11166.2	14409.8	18129.7	19012.7	18171.8	13641.8	9669.2	7117.4
77.5°	4295.1	3982.4	5672.2	10667.2	16226.0	17773.3	16768.8	11901.8	7718.5	4706.6
80°	1124.4	1122.8	1714.1	4836.2	11035.0	13125.0	11514.6	7686.1	4410.1	1681.7
82.5°	465.0	453.6	630.2	1881.0	5391.9	7365.3	6010.8	3428.3	1592.6	455.3
85°	173.4	171.7	306.2	649.7	1902.1	3037.8	2198.6	876.5	396.9	222.0
87.5°	48.6	47.0	66.4	225.2	463.4	703.2	375.9	144.2	111.8	87.5
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°
3493.1	0°	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1	3493.1
3499.6	2.5°	3504.4	3512.5	3527.1	3538.5	3553.0	3569.2	3591.9	3606.5	3621.1	3630.8
3507.7	5°	3519.0	3536.8	3574.1	3611.4	3655.1	3695.6	3742.6	3776.6	3804.2	3812.3
3536.8	7.5°	3551.4	3580.6	3643.8	3707.0	3776.6	3843.0	3911.1	3969.4	4016.4	4034.2
3588.7	10°	3608.1	3647.0	3736.1	3825.2	3917.6	4019.6	4107.1	4191.4	4257.8	4285.4
3650.2	12.5°	3679.4	3728.0	3844.7	3967.8	4095.8	4236.7	4350.2	4453.9	4536.5	4573.7
3736.1	15°	3771.8	3834.9	3984.0	4149.3	4337.2	4533.2	4677.4	4792.5	4884.8	4930.2
3825.2	17.5°	3872.2	3956.5	4144.4	4393.9	4662.9	4920.5	5089.0	5173.2	5268.8	5312.5
3907.9	20°	3969.4	4073.1	4342.1	4705.0	5063.0	5336.8	5472.9	5495.6	5502.1	5507.0
3985.6	22.5°	4069.9	4209.2	4589.9	5097.1	5481.0	5670.6	5690.0	5592.8	5456.7	5393.6
4061.8	25°	4180.0	4364.7	4914.0	5529.6	5840.7	5863.4	5714.3	5477.8	5220.2	5101.9
4123.3	27.5°	4287.0	4544.6	5302.8	5942.8	6099.9	5900.7	5579.9	5244.5	4933.4	4808.7
4167.1	30°	4393.9	4750.3	5732.2	6304.1	6218.2	5808.3	5367.6	4993.4	4680.7	4549.4
4206.0	32.5°	4502.5	4990.1	6226.3	6564.9	6197.2	5612.3	5103.5	4711.5	4436.0	4298.3
4240.0	35°	4625.6	5285.0	6694.5	6707.5	6056.2	5323.9	4755.2	4374.5	4134.7	4024.5
4280.5	37.5°	4786.0	5659.3	7107.7	6743.2	5809.9	4901.0	4322.6	3975.9	3778.2	3728.0
4340.4	40°	4985.3	6109.7	7423.6	6686.4	5445.4	4387.4	3849.5	3572.5	3460.7	3472.0
4421.4	42.5°	5244.5	6613.5	7645.6	6540.6	4938.3	3857.6	3434.8	3311.6	3365.1	3410.5
4543.0	45°	5581.5	7136.9	7783.3	6292.7	4364.7	3408.8	3190.1	3219.3	3259.8	3264.6
4739.0	47.5°	6012.5	7666.7	7874.0	5918.5	3779.9	3092.9	3034.6	3041.1	3033.0	2998.9
5032.3	50°	6550.4	8181.9	7955.0	5422.7	3282.5	2895.2	2817.5	2794.8	2683.0	2572.8
5422.7	52.5°	7162.8	8655.0	7989.1	4807.0	2895.2	2730.0	2603.6	2461.0	2252.0	2218.0
5913.6	55°	7843.3	9092.4	7901.6	4050.4	2569.6	2517.7	2326.6	2154.8	2132.1	2103.0
6560.1	57.5°	8656.6	9563.9	7723.4	3206.3	2235.8	2269.9	2083.5	2103.0	2062.5	2017.1
7391.2	60°	9546.1	10051.5	7410.7	2436.7	1890.7	1960.4	2020.4	2018.7	2007.4	1970.1
8267.7	62.5°	10346.4	10372.3	6795.0	1866.4	1587.8	1720.6	1884.3	1882.6	1872.9	1851.9
9183.1	65°	10822.7	10323.7	5767.8	1469.5	1338.3	1523.0	1699.6	1712.5	1714.1	1712.5
9871.7	67.5°	10738.5	9755.1	4358.3	1169.8	1132.5	1322.1	1516.5	1534.3	1547.3	1550.5
9959.2	70°	9785.8	8505.9	2841.8	933.2	949.4	1145.5	1343.1	1360.9	1372.3	1385.2
8642.0	72.5°	7627.8	6253.9	1626.7	755.0	789.0	993.2	1171.4	1192.4	1198.9	1223.2
6014.1	75°	4648.3	3677.8	878.1	594.6	648.1	849.0	1001.3	1025.6	1036.9	1066.1
2953.6	77.5°	2209.9	1592.6	500.6	463.4	521.7	693.4	845.7	873.3	842.5	858.7
814.9	80°	746.9	591.4	315.9	353.2	398.6	541.1	677.2	704.8	640.0	636.7
270.6	82.5°	260.8	239.8	200.9	234.9	257.6	387.2	512.0	547.6	476.3	474.7
121.5	85°	102.1	97.2	111.8	128.0	153.9	238.2	337.0	354.8	293.3	236.5
35.6	87.5°	21.1	22.7	27.5	29.2	47.0	82.6	121.5	149.1	118.3	100.5
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°
3493.1
3624.3
3815.5
4035.8
4287.0
4573.7
4926.9
5310.9
5519.9
5411.4
5119.7
4823.3
4564.0
4316.1
4048.8
3763.7
3510.9
3452.6
3297.0
3024.9
2587.4
2229.4
2107.8
2009.0
1957.2
1843.8
1712.5
1553.7
1391.7
1233.0
1069.3
845.7
630.2
452.0
233.3
92.3
0.0

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