

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: P849803

Luminaire Tested: **GLAN-SB7A-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849803
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-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 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: 31031 lumens
Efficiency: N/A
Efficacy: 155.9 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

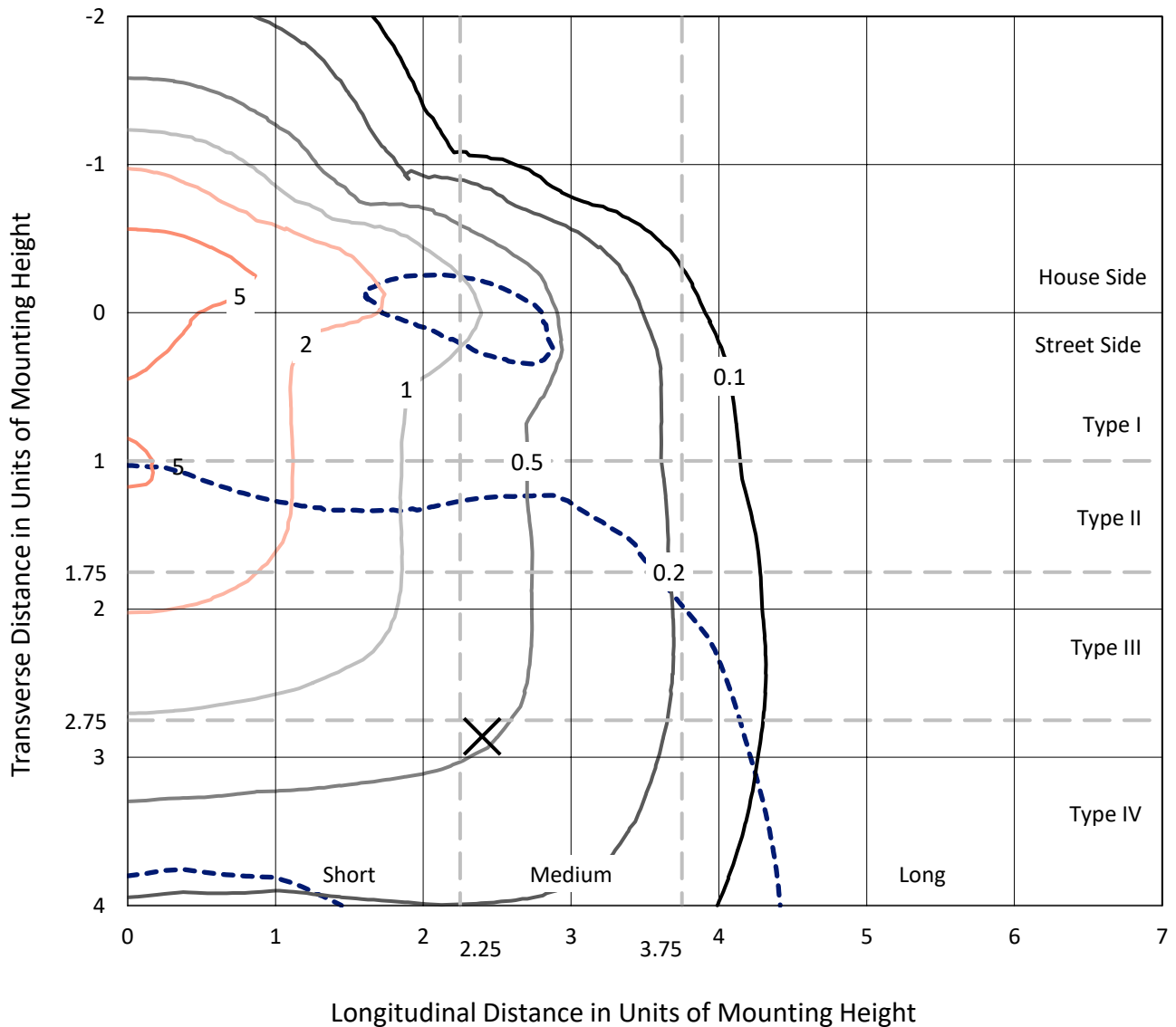
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

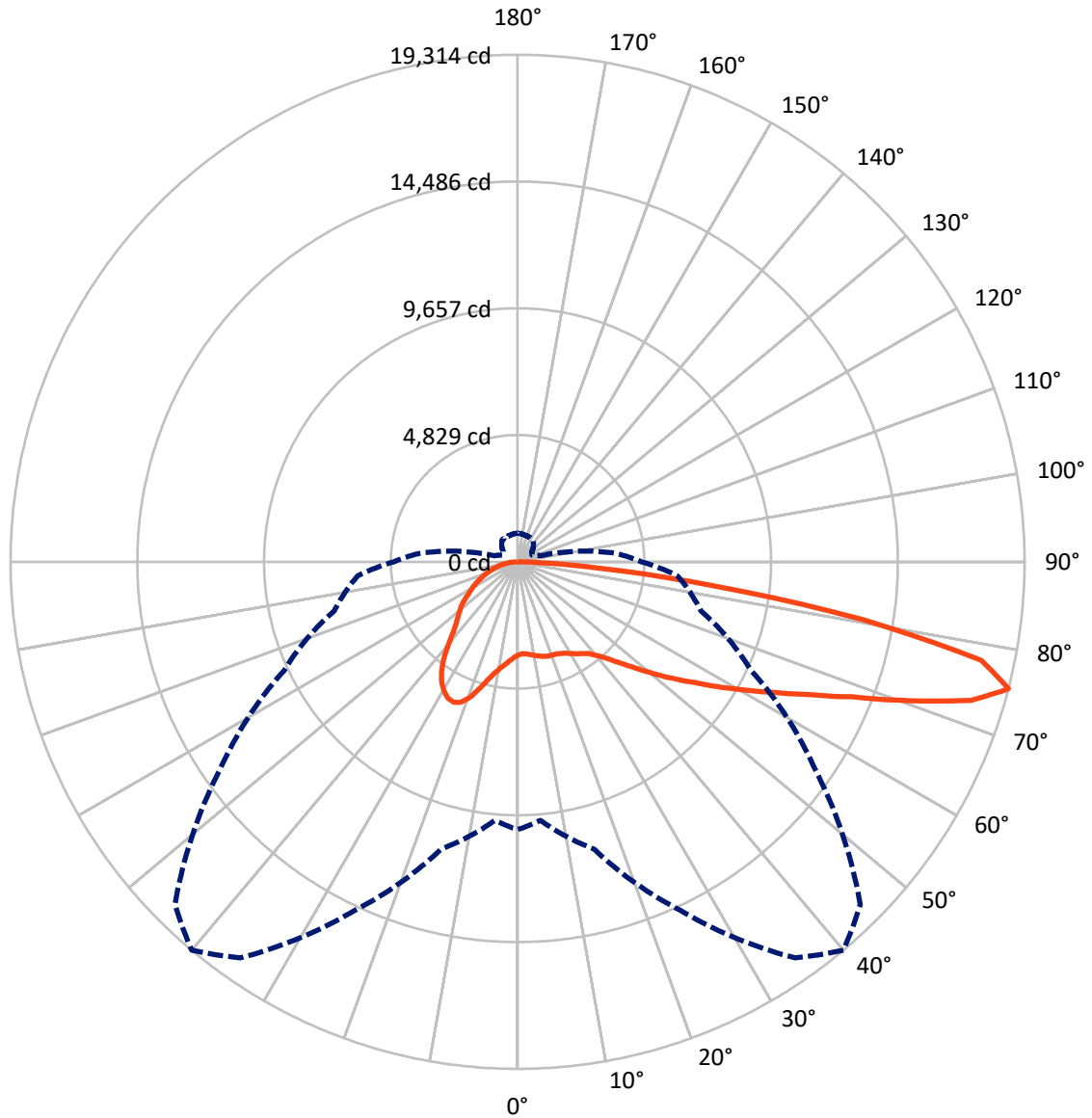
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	9614.4	0.0	9614.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	21416.6	0.0	21416.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	31031.0	0.0	31031.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.2	1.1
10°-20°	1189.2	3.8
20°-30°	2171.4	7.0
30°-40°	3079.7	9.9
40°-50°	4158.5	13.4
50°-60°	5594.3	18.0
60°-70°	7100.4	22.9
70°-80°	6444.0	20.8
80°-90°	939.3	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°	31031.0	100.0
0°-180°	31031.0	100.0

Coefficient of Utilization

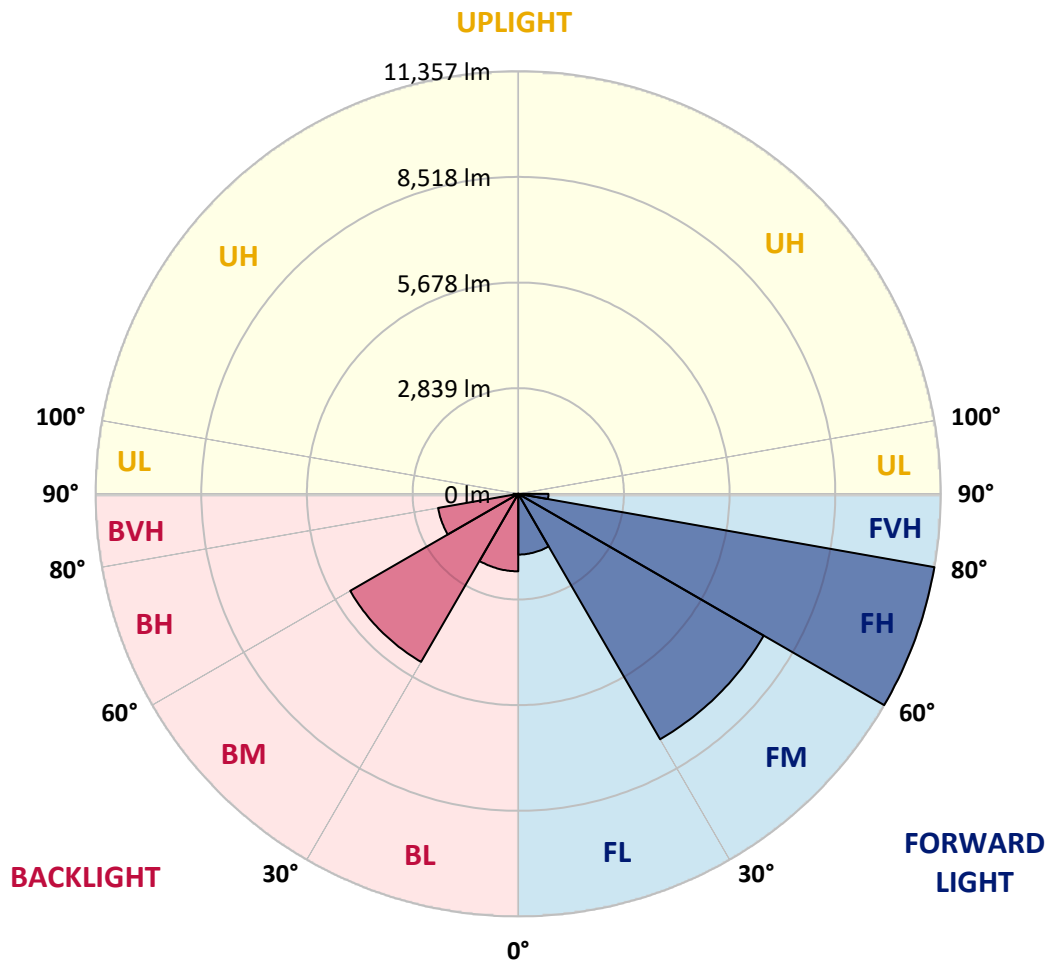


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1632.3	5.3			
FM (30°-60°)	7617.4	24.5			
FH (60°-80°)	11356.9	36.6			G4/12000
FVH (80°-90°)	810.0	2.6			G5
BL (0°-30°)	2082.6	6.7	B3/2500		
BM (30°-60°)	5215.0	16.8	B4/8500		
BH (60°-80°)	2187.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	129.3	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°	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4
2.5°	3494.1	3513.9	3508.9	3502.4	3502.4	3504.0	3502.4	3513.9	3525.4	3536.9
5°	3530.3	3550.1	3540.2	3532.0	3525.4	3523.7	3518.8	3517.2	3523.7	3538.6
7.5°	3601.1	3620.9	3606.0	3591.2	3578.1	3571.5	3564.9	3555.0	3550.1	3558.3
10°	3680.1	3699.9	3681.7	3655.4	3634.0	3625.8	3619.2	3609.3	3602.7	3607.7
12.5°	3759.1	3778.9	3754.2	3718.0	3690.0	3685.0	3676.8	3673.5	3671.9	3670.2
15°	3833.2	3849.6	3818.4	3775.6	3745.9	3737.7	3729.5	3734.4	3742.6	3752.5
17.5°	3890.8	3907.2	3861.1	3805.2	3777.2	3773.9	3769.0	3785.4	3808.5	3833.2
20°	3943.4	3959.9	3900.6	3824.9	3792.0	3792.0	3793.7	3828.2	3861.1	3897.4
22.5°	4017.5	4030.7	3958.3	3854.6	3806.8	3810.1	3823.3	3857.9	3899.0	3948.4
25°	4127.8	4137.6	4048.8	3910.5	3856.2	3866.1	3877.6	3894.1	3933.6	3991.2
27.5°	4305.5	4313.8	4196.9	4009.3	3927.0	3943.4	3959.9	3948.4	3966.5	4015.9
30°	4555.7	4560.6	4412.5	4164.0	4047.1	4055.4	4058.6	4010.9	3976.4	4015.9
32.5°	4851.9	4850.3	4674.2	4351.6	4183.7	4175.5	4147.5	4053.7	3973.1	4007.6
35°	5311.1	5293.0	5065.9	4614.9	4338.4	4287.4	4221.6	4101.4	3989.5	3999.4
37.5°	6071.5	6015.6	5701.2	5046.2	4568.9	4438.8	4341.7	4178.8	4025.7	3996.1
40°	6929.0	6858.2	6512.6	5637.0	4914.5	4705.5	4549.1	4289.1	4085.0	4010.9
42.5°	7946.1	7845.7	7473.8	6333.2	5352.3	5049.4	4814.1	4429.0	4172.2	4058.6
45°	9195.3	9062.0	8535.3	7118.3	5903.6	5500.4	5186.0	4641.3	4305.5	4150.8
47.5°	10457.7	10490.6	9741.7	8016.9	6565.3	6056.7	5651.8	4960.6	4499.7	4298.9
50°	11799.0	11822.1	10941.6	9012.6	7315.8	6685.4	6175.2	5317.7	4769.7	4509.6
52.5°	12845.8	12849.1	12031.1	10054.5	8097.5	7376.7	6739.7	5725.9	5082.4	4789.4
55°	13500.8	13492.6	12794.8	11040.3	8996.2	8102.5	7365.1	6190.0	5464.2	5118.6
57.5°	13976.5	13951.8	13321.4	11887.9	9954.1	8960.0	8072.9	6716.7	5915.2	5510.3
60°	14157.5	14142.7	13678.6	12620.3	10961.3	9908.0	8889.2	7305.9	6427.0	5972.8
62.5°	14226.7	14254.6	14029.2	13329.7	12039.3	10958.0	9786.2	8010.3	7003.1	6496.1
65°	14470.2	14521.3	14475.2	14257.9	13257.3	12187.5	10976.1	8848.0	7631.8	7057.4
67.5°	14952.5	15003.5	15023.2	15368.9	14745.1	13719.7	12460.7	9891.5	8367.5	7640.0
70°	14941.0	14926.1	15275.1	16252.7	16608.2	15841.2	14462.0	11175.3	9244.7	8123.9
72.5°	13599.6	13481.1	14305.7	16242.8	18158.6	18056.5	16906.1	12831.0	10001.8	8183.1
75°	10202.6	9886.6	11343.1	14638.1	18417.0	19314.0	18459.8	13858.0	9822.4	7230.2
77.5°	4363.1	4045.5	5762.1	10836.2	16483.1	18054.9	17034.5	12090.4	7840.8	4781.2
80°	1142.2	1140.6	1741.3	4912.8	11209.8	13333.0	11697.0	7807.9	4480.0	1708.4
82.5°	472.4	460.8	640.2	1910.8	5477.4	7482.0	6106.1	3482.6	1617.9	462.5
85°	176.1	174.5	311.1	660.0	1932.2	3086.0	2233.4	890.4	403.2	225.5
87.5°	49.4	47.7	67.5	228.8	470.7	714.3	381.8	146.5	113.6	88.9
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°
3548.4	0°	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4	3548.4
3555.0	2.5°	3560.0	3568.2	3583.0	3594.5	3609.3	3625.8	3648.8	3663.6	3678.5	3688.3
3563.2	5°	3574.8	3592.9	3630.7	3668.6	3713.0	3754.2	3801.9	3836.5	3864.4	3872.7
3592.9	7.5°	3607.7	3637.3	3701.5	3765.7	3836.5	3903.9	3973.1	4032.3	4080.0	4098.1
3645.5	10°	3665.3	3704.8	3795.3	3885.8	3979.6	4083.3	4172.2	4257.8	4325.3	4353.3
3708.1	12.5°	3737.7	3787.1	3905.6	4030.7	4160.7	4303.9	4419.1	4524.4	4608.4	4646.2
3795.3	15°	3831.5	3895.7	4047.1	4215.0	4405.9	4605.1	4751.5	4868.4	4962.2	5008.3
3885.8	17.5°	3933.6	4019.1	4210.1	4463.5	4736.7	4998.4	5169.6	5255.2	5352.3	5396.7
3969.8	20°	4032.3	4137.6	4410.9	4779.5	5143.3	5421.4	5559.7	5582.7	5589.3	5594.2
4048.8	22.5°	4134.4	4275.9	4662.7	5177.8	5567.9	5760.4	5780.2	5681.4	5543.2	5479.0
4126.1	25°	4246.3	4433.9	4991.8	5617.3	5933.3	5956.3	5804.9	5564.6	5302.9	5182.8
4188.7	27.5°	4354.9	4616.6	5386.8	6036.9	6196.6	5994.2	5668.3	5327.6	5011.6	4884.9
4233.1	30°	4463.5	4825.6	5823.0	6404.0	6316.7	5900.3	5452.7	5072.5	4754.8	4621.5
4272.6	32.5°	4573.8	5069.2	6325.0	6669.0	6295.3	5701.2	5184.4	4786.1	4506.3	4366.4
4307.2	35°	4698.9	5368.7	6800.6	6813.8	6152.2	5408.2	4830.5	4443.8	4200.2	4088.3
4348.3	37.5°	4861.8	5748.9	7220.3	6850.0	5902.0	4978.7	4391.1	4038.9	3838.1	3787.1
4409.2	40°	5064.3	6206.5	7541.2	6792.4	5531.7	4456.9	3910.5	3629.1	3515.5	3527.0
4491.5	42.5°	5327.6	6718.3	7766.7	6644.3	5016.5	3918.8	3489.2	3364.1	3418.4	3464.5
4614.9	45°	5669.9	7249.9	7906.6	6392.5	4433.9	3462.9	3240.7	3270.3	3311.4	3316.4
4814.1	47.5°	6107.7	7788.1	7998.8	6012.3	3839.8	3141.9	3082.7	3089.2	3081.0	3046.5
5112.0	50°	6654.1	8311.5	8081.1	5508.6	3334.5	2941.1	2862.1	2839.1	2725.5	2613.6
5508.6	52.5°	7276.3	8792.1	8115.6	4883.2	2941.1	2773.2	2644.9	2500.0	2287.7	2253.2
6007.3	55°	7967.5	9236.5	8026.8	4114.6	2610.3	2557.6	2363.4	2189.0	2165.9	2136.3
6664.0	57.5°	8793.7	9715.4	7845.7	3257.1	2271.3	2305.8	2116.6	2136.3	2095.2	2049.1
7508.3	60°	9697.3	10210.8	7528.1	2475.3	1920.7	1991.5	2052.4	2050.7	2039.2	2001.3
8398.7	62.5°	10510.3	10536.7	6902.7	1896.0	1612.9	1747.9	1914.1	1912.5	1902.6	1881.2
9328.6	65°	10994.2	10487.3	5859.2	1492.8	1359.5	1547.1	1726.5	1739.7	1741.3	1739.7
10028.1	67.5°	10908.6	9909.6	4427.3	1188.3	1150.4	1343.0	1540.5	1558.6	1571.8	1575.1
10117.0	70°	9940.9	8640.7	2886.8	948.0	964.5	1163.6	1364.4	1382.5	1394.0	1407.2
8778.9	72.5°	7748.6	6353.0	1652.4	767.0	801.5	1008.9	1189.9	1211.3	1217.9	1242.6
6109.4	75°	4721.9	3736.1	892.0	604.0	658.3	862.4	1017.1	1041.8	1053.3	1083.0
3000.4	77.5°	2244.9	1617.9	508.6	470.7	530.0	704.4	859.1	887.1	855.8	872.3
827.9	80°	758.7	600.7	320.9	358.8	404.9	549.7	688.0	715.9	650.1	646.8
274.9	82.5°	265.0	243.6	204.1	238.6	261.7	393.4	520.1	556.3	483.9	482.2
123.4	85°	103.7	98.8	113.6	130.0	156.4	241.9	342.3	360.4	297.9	240.3
36.2	87.5°	21.4	23.0	28.0	29.6	47.7	83.9	123.4	151.4	120.1	102.0
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°
3548.4
3681.7
3876.0
4099.8
4354.9
4646.2
5005.0
5395.1
5607.4
5497.1
5200.9
4899.7
4636.3
4384.5
4113.0
3823.3
3566.5
3507.3
3349.3
3072.8
2628.4
2264.7
2141.2
2040.8
1988.2
1873.0
1739.7
1578.4
1413.8
1252.5
1086.3
859.1
640.2
459.2
237.0
93.8
0.0

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