

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: P850553

Luminaire Tested: **GLAN-SB8A-840-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850553  
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-SB8A-840-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 4000K, 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: 31976 lumens  
Efficiency: N/A  
Efficacy: 140.8 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

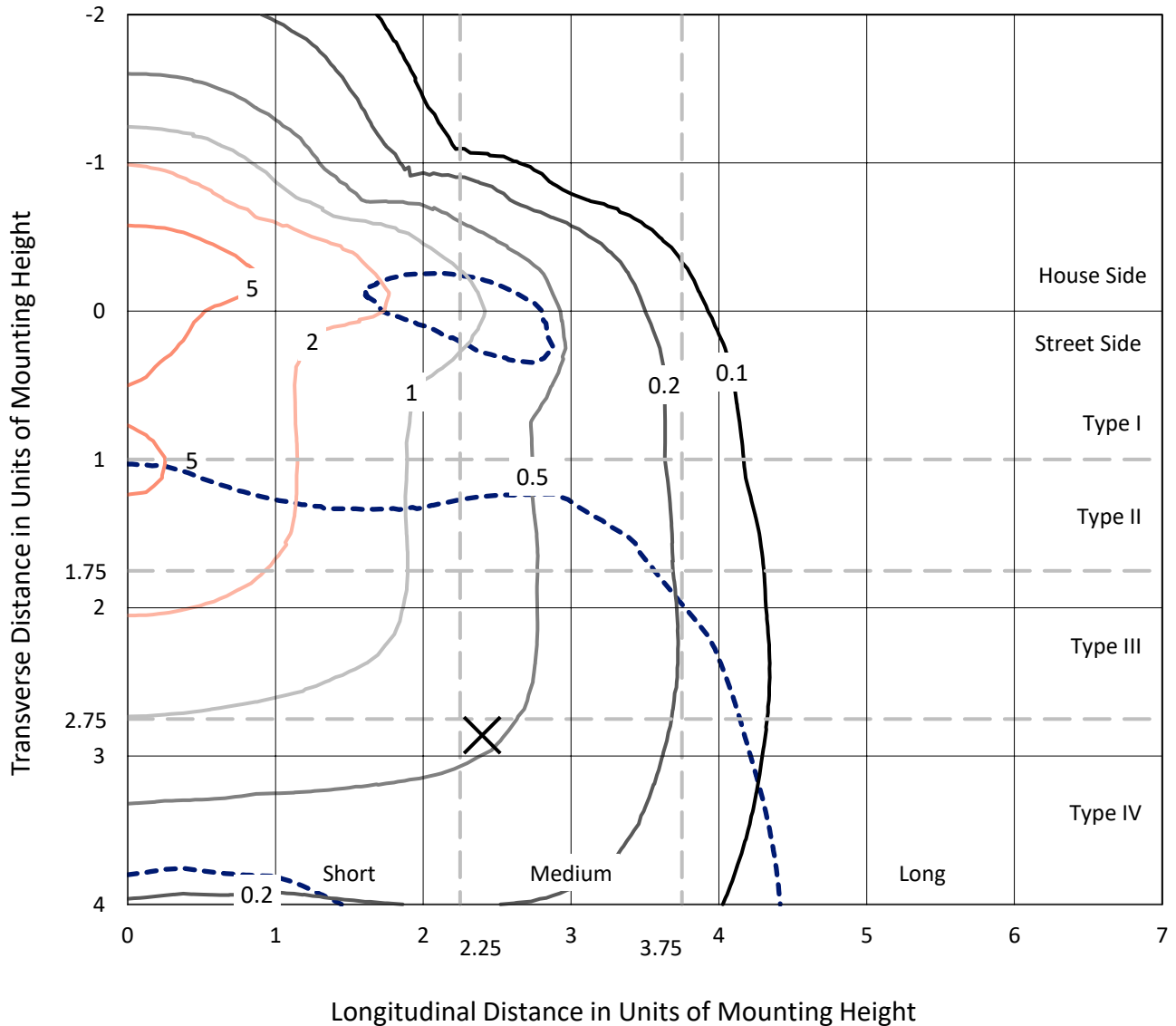
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

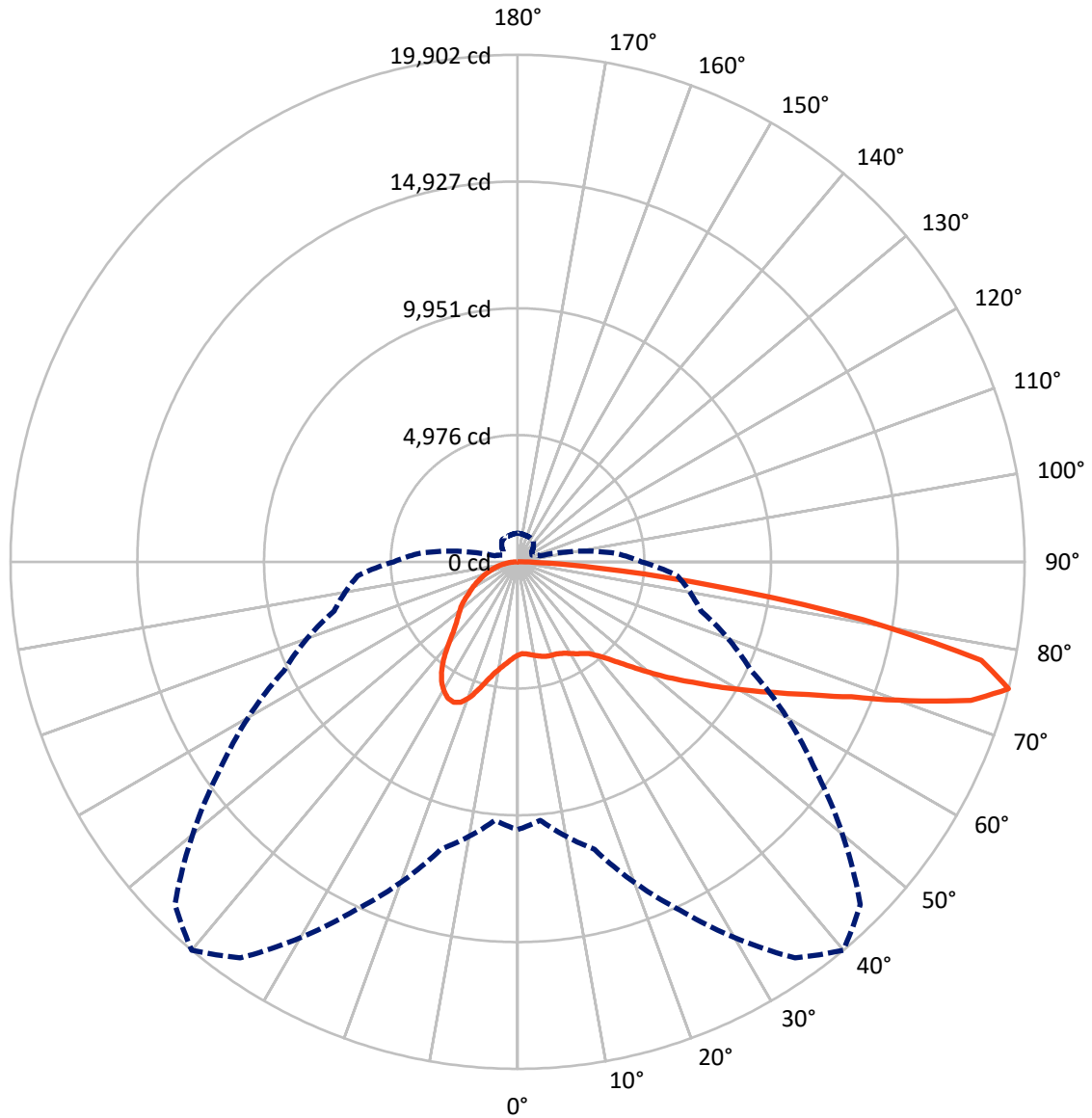
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	9907.2	0.0	9907.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	22068.8	0.0	22068.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	31976.0	0.0	31976.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.0	1.1
10°-20°	1225.4	3.8
20°-30°	2237.5	7.0
30°-40°	3173.4	9.9
40°-50°	4285.1	13.4
50°-60°	5764.6	18.0
60°-70°	7316.6	22.9
70°-80°	6640.3	20.8
80°-90°	967.9	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°	31976.0	100.0
0°-180°	31976.0	100.0

**Coefficient of Utilization**

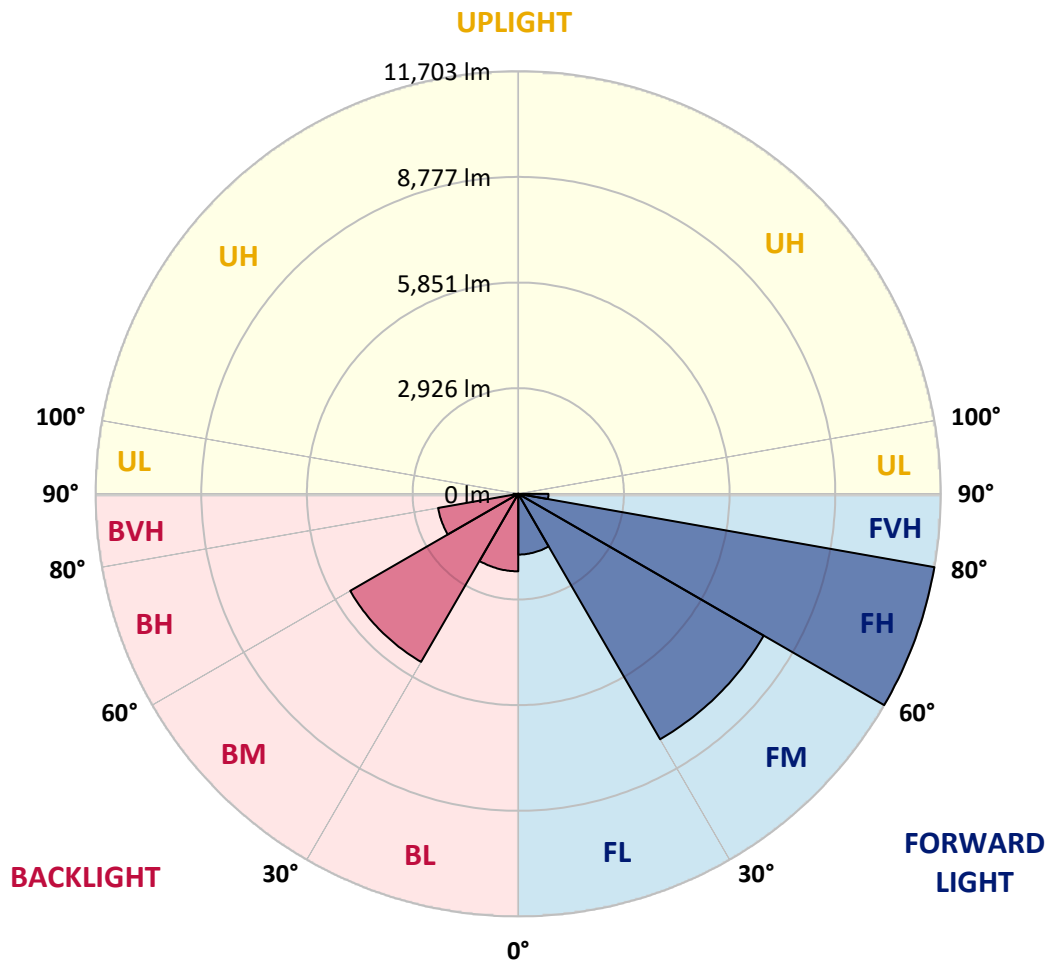


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1682.0	5.3			
FM (30°-60°)	7849.4	24.5			
FH (60°-80°)	11702.7	36.6			G4/12000
FVH (80°-90°)	834.7	2.6			G5
BL (0°-30°)	2146.0	6.7	B3/2500		
BM (30°-60°)	5373.8	16.8	B4/8500		
BH (60°-80°)	2254.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	133.3	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°	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5
2.5°	3600.5	3620.9	3615.8	3609.0	3609.0	3610.7	3609.0	3620.9	3632.8	3644.6
5°	3637.8	3658.2	3648.0	3639.5	3632.8	3631.1	3626.0	3624.3	3631.1	3646.3
7.5°	3710.8	3731.1	3715.9	3700.6	3687.0	3680.2	3673.5	3663.3	3658.2	3666.7
10°	3792.2	3812.5	3793.9	3766.7	3744.7	3736.2	3729.4	3719.2	3712.5	3717.6
12.5°	3873.6	3893.9	3868.5	3831.2	3802.4	3797.3	3788.8	3785.4	3783.7	3782.0
15°	3949.9	3966.9	3934.6	3890.5	3860.0	3851.5	3843.1	3848.1	3856.6	3866.8
17.5°	4009.3	4026.2	3978.7	3921.1	3892.2	3888.8	3883.8	3900.7	3924.5	3949.9
20°	4063.5	4080.5	4019.4	3941.4	3907.5	3907.5	3909.2	3944.8	3978.7	4016.0
22.5°	4139.8	4153.4	4078.8	3971.9	3922.8	3926.2	3939.7	3975.3	4017.7	4068.6
25°	4253.5	4263.7	4172.1	4029.6	3973.6	3983.8	3995.7	4012.7	4053.4	4112.7
27.5°	4436.6	4445.1	4324.7	4131.4	4046.6	4063.5	4080.5	4068.6	4087.3	4138.2
30°	4694.4	4699.5	4546.9	4290.8	4170.4	4178.9	4182.2	4133.1	4097.4	4138.2
32.5°	4999.7	4998.0	4816.5	4484.1	4311.1	4302.7	4273.8	4177.2	4094.1	4129.7
35°	5472.9	5454.2	5220.2	4755.5	4470.6	4418.0	4350.1	4226.3	4111.0	4121.2
37.5°	6256.4	6198.7	5874.8	5199.8	4708.0	4574.0	4474.0	4306.1	4148.3	4117.8
40°	7140.0	7067.1	6710.9	5808.7	5064.1	4848.8	4687.6	4419.7	4209.4	4133.1
42.5°	8188.1	8084.7	7701.4	6526.1	5515.3	5203.2	4960.7	4563.8	4299.3	4182.2
45°	9475.4	9338.0	8795.3	7335.0	6083.4	5667.9	5344.0	4782.6	4436.6	4277.2
47.5°	10776.2	10810.1	10038.4	8261.0	6765.2	6241.1	5823.9	5111.6	4636.8	4429.9
50°	12158.4	12182.1	11274.8	9287.1	7538.6	6889.0	6363.3	5479.7	4914.9	4646.9
52.5°	13237.0	13240.4	12397.5	10360.6	8344.1	7601.3	6945.0	5900.3	5237.1	4935.3
55°	13912.0	13903.5	13184.4	11376.5	9270.1	8349.2	7589.4	6378.5	5630.6	5274.4
57.5°	14402.1	14376.7	13727.1	12249.9	10257.2	9232.8	8318.7	6921.2	6095.3	5678.1
60°	14588.7	14573.4	14095.2	13004.7	11295.1	10209.7	9159.9	7528.4	6622.7	6154.7
62.5°	14659.9	14688.7	14456.4	13735.6	12406.0	11291.7	10084.2	8254.3	7216.3	6694.0
65°	14910.9	14963.5	14916.0	14692.1	13661.0	12558.6	11310.4	9117.5	7864.2	7272.3
67.5°	15407.8	15460.4	15480.8	15836.9	15194.1	14137.6	12840.1	10192.7	8622.3	7872.7
70°	15396.0	15380.7	15740.2	16747.6	17114.0	16323.7	14902.4	11515.6	9526.2	8371.3
72.5°	14013.7	13891.6	14741.3	16737.5	18711.6	18606.4	17420.9	13221.7	10306.4	8432.3
75°	10513.3	10187.7	11688.6	15083.9	18977.8	19902.1	19021.9	14280.0	10121.5	7450.4
77.5°	4496.0	4168.7	5937.6	11166.2	16985.1	18604.7	17553.2	12458.6	8079.6	4926.8
80°	1177.0	1175.3	1794.3	5062.5	11551.2	13739.0	12053.2	8045.7	4616.4	1760.4
82.5°	486.7	474.9	659.7	1969.0	5644.2	7709.9	6292.0	3588.7	1667.1	476.6
85°	181.5	179.8	320.5	680.1	1991.1	3179.9	2301.4	917.5	415.5	232.3
87.5°	50.9	49.2	69.5	235.7	485.0	736.0	393.5	150.9	117.0	91.6
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°
3656.5	0°	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5	3656.5
3663.3	2.5°	3668.4	3676.8	3692.1	3704.0	3719.2	3736.2	3760.0	3775.2	3790.5	3800.7
3671.8	5°	3683.6	3702.3	3741.3	3780.3	3826.1	3868.5	3917.7	3953.3	3982.1	3990.6
3702.3	7.5°	3717.6	3748.1	3814.2	3880.4	3953.3	4022.8	4094.1	4155.1	4204.3	4223.0
3756.6	10°	3776.9	3817.6	3910.9	4004.2	4100.8	4207.7	4299.3	4387.5	4457.0	4485.8
3821.0	12.5°	3851.5	3902.4	4024.5	4153.4	4287.4	4434.9	4553.7	4662.2	4748.7	4787.7
3910.9	15°	3948.2	4014.3	4170.4	4343.4	4540.1	4745.3	4896.2	5016.7	5113.3	5160.8
4004.2	17.5°	4053.4	4141.5	4338.3	4599.5	4881.0	5150.6	5327.0	5415.2	5515.3	5561.1
4090.7	20°	4155.1	4263.7	4545.2	4925.1	5299.9	5586.5	5729.0	5752.7	5759.5	5764.6
4172.1	22.5°	4260.3	4406.1	4804.7	5335.5	5737.4	5935.9	5956.2	5854.5	5712.0	5645.9
4251.8	25°	4375.6	4568.9	5143.9	5788.3	6113.9	6137.7	5981.7	5734.1	5464.4	5340.6
4316.2	27.5°	4487.5	4757.2	5550.9	6220.8	6385.3	6176.7	5840.9	5489.8	5164.2	5033.6
4362.0	30°	4599.5	4972.6	6000.3	6599.0	6509.1	6080.0	5618.7	5227.0	4899.6	4762.3
4402.7	32.5°	4713.1	5223.6	6517.6	6872.0	6487.1	5874.8	5342.3	4931.9	4643.5	4499.4
4438.3	35°	4842.0	5532.2	7007.7	7021.3	6339.5	5572.9	4977.7	4579.1	4328.1	4212.8
4480.7	37.5°	5009.9	5924.0	7440.2	7058.6	6081.7	5130.3	4524.8	4161.9	3955.0	3902.4
4543.5	40°	5218.5	6395.5	7770.9	6999.2	5700.1	4592.7	4029.6	3739.6	3622.6	3634.5
4628.3	42.5°	5489.8	6922.9	8003.3	6846.6	5169.3	4038.1	3595.4	3466.6	3522.5	3570.0
4755.5	45°	5842.6	7470.7	8147.4	6587.1	4568.9	3568.3	3339.4	3369.9	3412.3	3417.4
4960.7	47.5°	6293.7	8025.3	8242.4	6195.4	3956.7	3237.6	3176.5	3183.3	3174.8	3139.2
5267.7	50°	6856.8	8564.6	8327.2	5676.4	3436.0	3030.7	2949.3	2925.5	2808.5	2693.2
5676.4	52.5°	7497.9	9059.8	8362.8	5031.9	3030.7	2857.7	2725.4	2576.2	2357.4	2321.8
6190.3	55°	8210.2	9517.7	8271.2	4239.9	2689.8	2635.5	2435.4	2255.6	2231.9	2201.4
6867.0	57.5°	9061.5	10011.3	8084.7	3356.3	2340.4	2376.0	2181.0	2201.4	2159.0	2111.5
7737.0	60°	9992.6	10521.8	7757.3	2550.7	1979.2	2052.1	2114.9	2113.2	2101.3	2062.3
8654.5	62.5°	10830.4	10857.6	7112.9	1953.8	1662.0	1801.1	1972.4	1970.7	1960.5	1938.5
9612.7	65°	11329.0	10806.7	6037.6	1538.2	1400.9	1594.2	1779.1	1792.6	1794.3	1792.6
10333.5	67.5°	11240.8	10211.4	4562.1	1224.5	1185.5	1383.9	1587.4	1606.1	1619.6	1623.0
10425.1	70°	10243.6	8903.8	2974.7	976.9	993.8	1199.0	1406.0	1424.6	1436.5	1450.0
9046.3	72.5°	7984.6	6546.4	1702.7	790.3	825.9	1039.6	1226.2	1248.2	1255.0	1280.5
6295.4	75°	4865.7	3849.8	919.2	622.4	678.4	888.7	1048.1	1073.5	1085.4	1115.9
3091.7	77.5°	2313.3	1667.1	524.1	485.0	546.1	725.9	885.3	914.1	881.9	898.9
853.1	80°	781.8	619.0	330.7	369.7	417.2	566.5	708.9	737.7	669.9	666.5
283.2	82.5°	273.1	251.0	210.3	245.9	269.7	405.3	535.9	573.2	498.6	496.9
127.2	85°	106.8	101.8	117.0	134.0	161.1	249.3	352.8	371.4	307.0	247.6
37.3	87.5°	22.0	23.7	28.8	30.5	49.2	86.5	127.2	156.0	123.8	105.1
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°
3656.5
3793.9
3994.0
4224.6
4487.5
4787.7
5157.4
5559.4
5778.1
5664.5
5359.2
5048.9
4777.5
4518.0
4238.2
3939.7
3675.2
3614.1
3451.3
3166.4
2708.5
2333.6
2206.4
2103.0
2048.7
1930.0
1792.6
1626.4
1456.8
1290.6
1119.3
885.3
659.7
473.2
244.2
96.7
0.0

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