

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: P850523

Luminaire Tested: **GLAN-SB8A-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850523
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-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 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: 28668 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

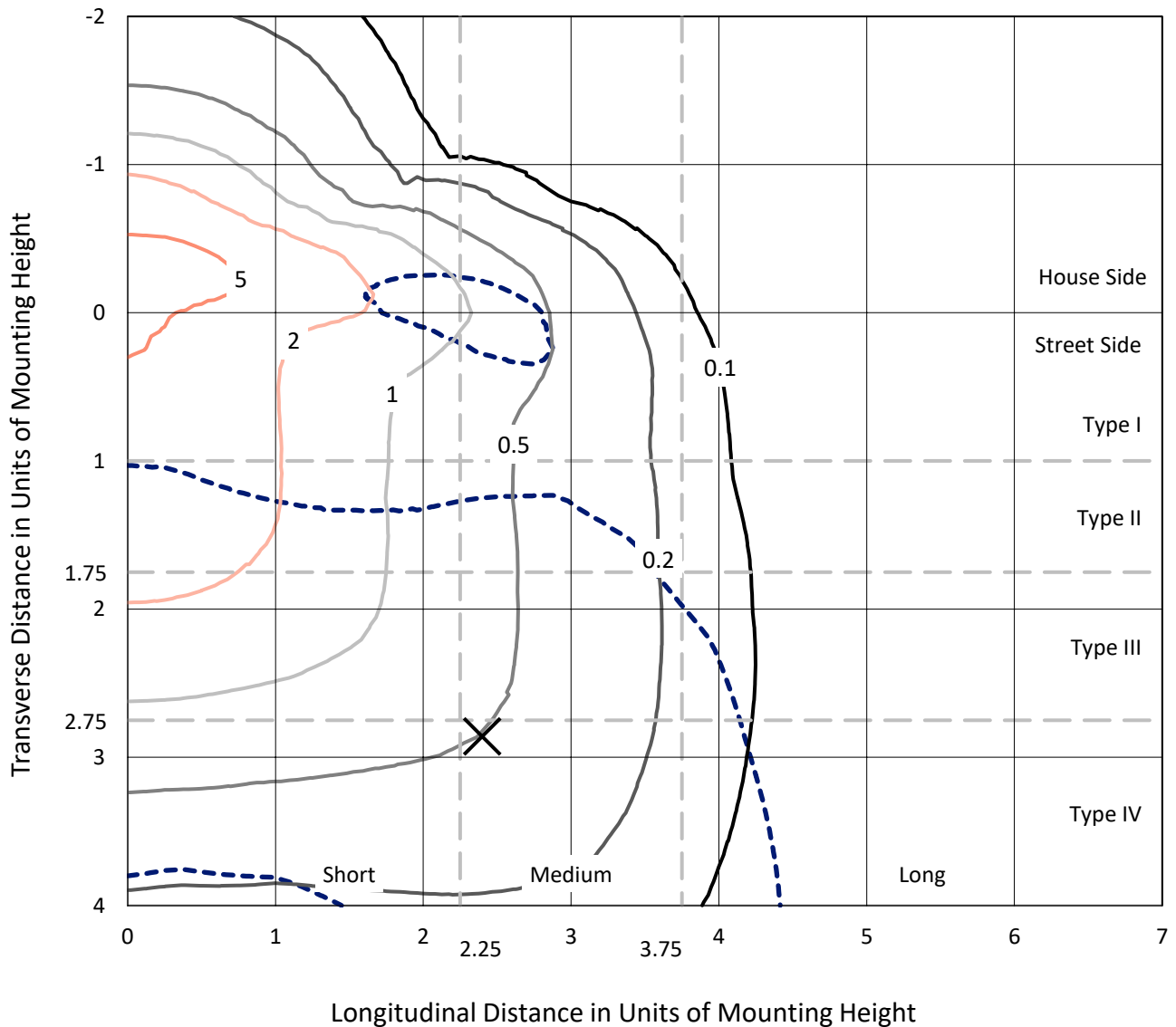
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

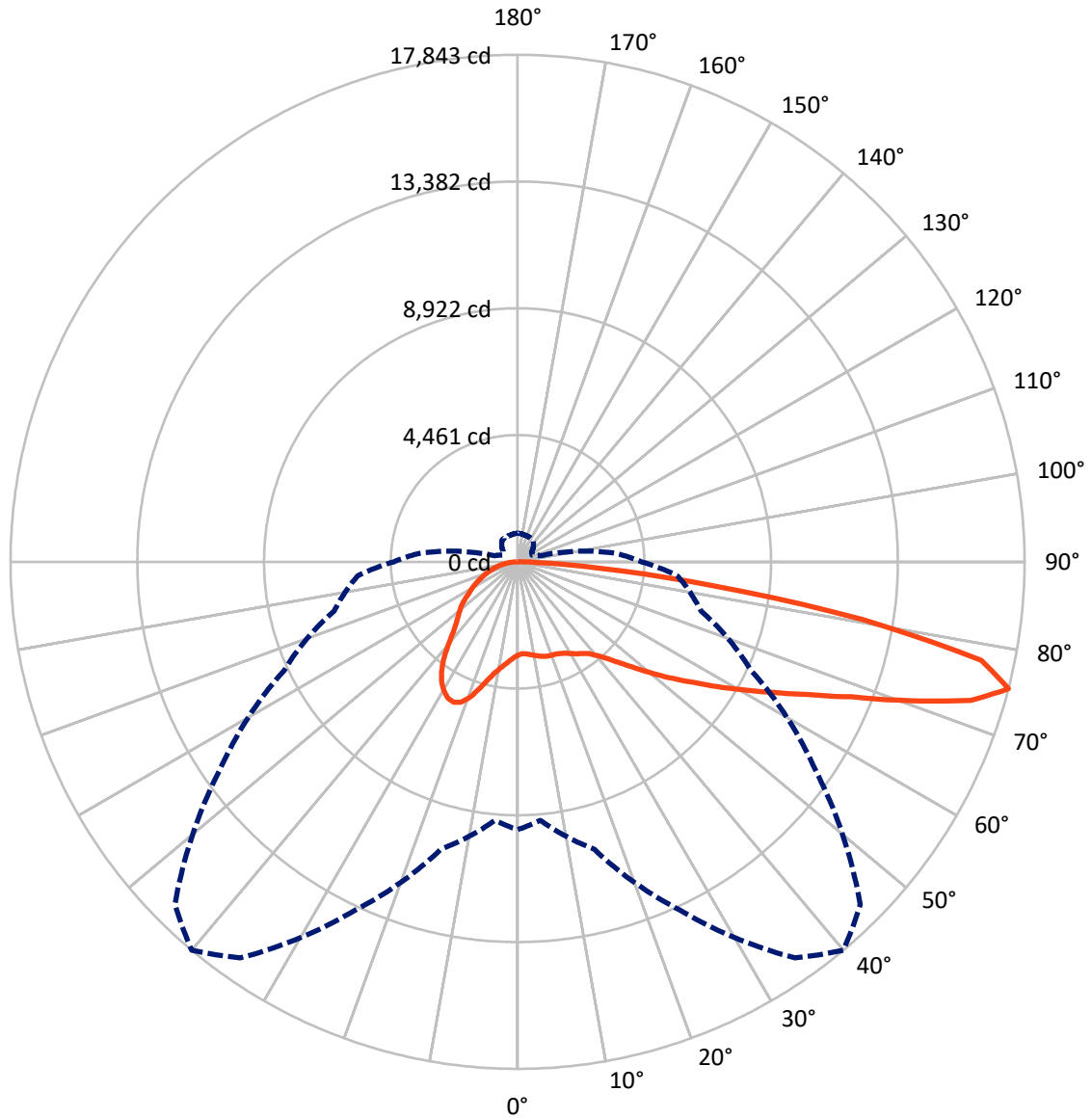
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	8882.3	0.0	8882.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	19785.7	0.0	19785.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	28668.0	0.0	28668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.2	1.1
10°-20°	1098.7	3.8
20°-30°	2006.1	7.0
30°-40°	2845.1	9.9
40°-50°	3841.8	13.4
50°-60°	5168.3	18.0
60°-70°	6559.7	22.9
70°-80°	5953.3	20.8
80°-90°	867.8	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°	28668.0	100.0
0°-180°	28668.0	100.0

Coefficient of Utilization

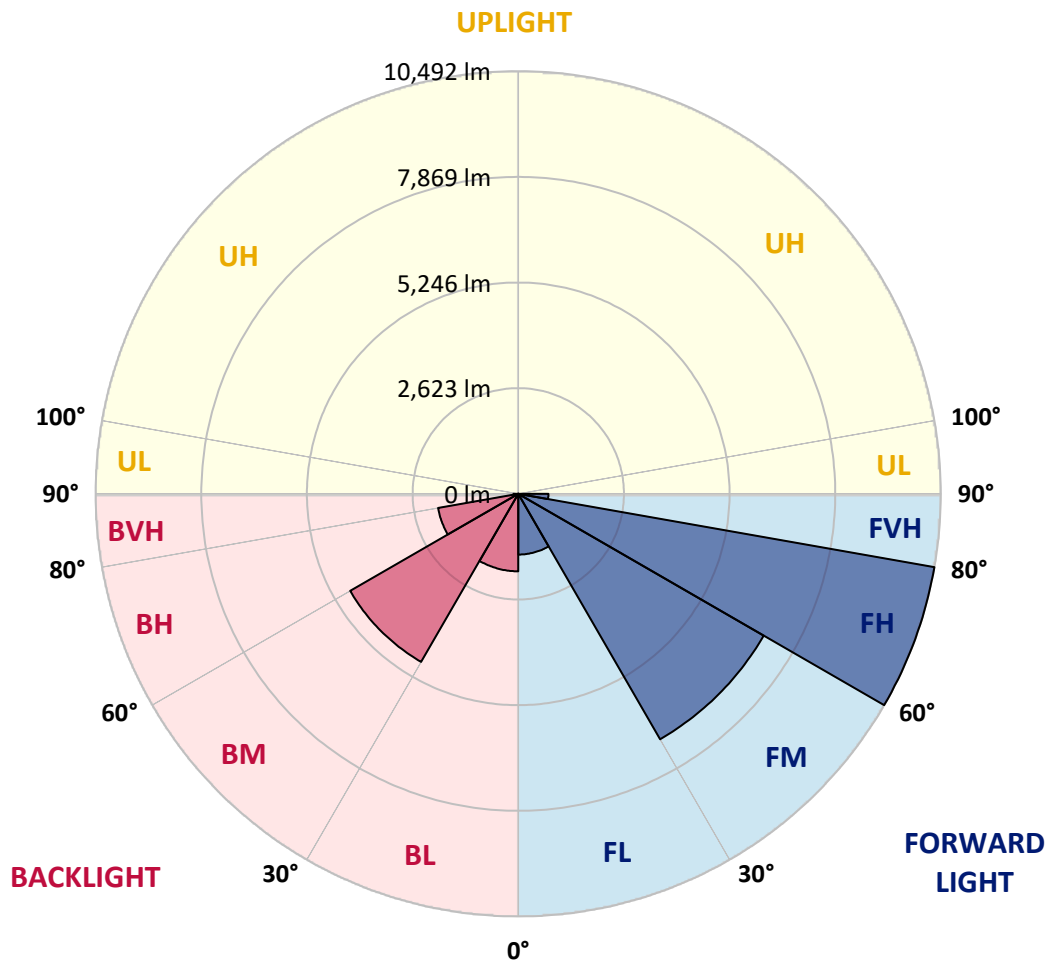


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1508.0	5.3			
FM (30°-60°)	7037.4	24.5			
FH (60°-80°)	10492.1	36.6			G4/12000
FVH (80°-90°)	748.3	2.6			G4/750
BL (0°-30°)	1924.0	6.7	B3/2500		
BM (30°-60°)	4817.9	16.8	B3/5000		
BH (60°-80°)	2021.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	119.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2
2.5°	3228.0	3246.3	3241.7	3235.6	3235.6	3237.2	3235.6	3246.3	3256.9	3267.6
5°	3261.5	3279.7	3270.6	3263.0	3256.9	3255.4	3250.9	3249.3	3255.4	3269.1
7.5°	3326.9	3345.1	3331.4	3317.8	3305.6	3299.5	3293.4	3284.3	3279.7	3287.3
10°	3399.9	3418.1	3401.4	3377.1	3357.3	3349.7	3343.6	3334.5	3328.4	3333.0
12.5°	3472.8	3491.1	3468.3	3434.8	3409.0	3404.4	3396.8	3393.8	3392.3	3390.7
15°	3541.3	3556.5	3527.6	3488.1	3460.7	3453.1	3445.5	3450.0	3457.6	3466.8
17.5°	3594.5	3609.7	3567.1	3515.4	3489.6	3486.5	3482.0	3497.2	3518.5	3541.3
20°	3643.1	3658.4	3603.6	3533.7	3503.3	3503.3	3504.8	3536.7	3567.1	3600.6
22.5°	3711.6	3723.7	3656.8	3561.0	3516.9	3520.0	3532.1	3564.1	3602.1	3647.7
25°	3813.4	3822.6	3740.5	3612.7	3562.6	3571.7	3582.3	3597.5	3634.0	3687.2
27.5°	3977.7	3985.3	3877.3	3704.0	3627.9	3643.1	3658.4	3647.7	3664.4	3710.0
30°	4208.8	4213.3	4076.5	3846.9	3738.9	3746.5	3749.6	3705.5	3673.6	3710.0
32.5°	4482.5	4480.9	4318.3	4020.2	3865.1	3857.5	3831.7	3745.0	3670.5	3702.4
35°	4906.7	4890.0	4680.1	4263.5	4008.1	3960.9	3900.1	3789.1	3685.7	3694.8
37.5°	5609.2	5557.5	5267.1	4661.9	4220.9	4100.8	4011.1	3860.6	3719.2	3691.8
40°	6401.4	6336.0	6016.7	5207.8	4540.2	4347.1	4202.7	3962.5	3773.9	3705.5
42.5°	7341.0	7248.3	6904.6	5850.9	4944.7	4664.9	4447.5	4091.7	3854.5	3749.6
45°	8495.1	8371.9	7885.4	6576.2	5454.1	5081.6	4791.1	4287.8	3977.7	3834.7
47.5°	9661.3	9691.7	8999.9	7406.4	6065.3	5595.5	5221.4	4582.8	4157.1	3971.6
50°	10900.6	10921.8	10108.4	8326.3	6758.7	6176.3	5705.0	4912.8	4406.4	4166.2
52.5°	11867.6	11870.6	11114.9	9288.8	7480.9	6814.9	6226.5	5289.9	4695.3	4424.7
55°	12472.8	12465.2	11820.5	10199.6	8311.1	7485.5	6804.3	5718.6	5048.1	4728.8
57.5°	12912.2	12889.4	12307.0	10982.7	9196.1	8277.7	7458.1	6205.2	5464.7	5090.7
60°	13079.4	13065.8	12637.0	11659.3	10126.6	9153.5	8212.3	6749.6	5937.6	5517.9
62.5°	13143.3	13169.2	12960.8	12314.6	11122.5	10123.6	9041.0	7400.3	6469.8	6001.5
65°	13368.3	13415.5	13372.9	13172.2	12247.7	11259.4	10140.3	8174.3	7050.6	6520.0
67.5°	13813.9	13861.0	13879.2	14198.5	13622.3	12675.0	11511.8	9138.3	7730.3	7058.2
70°	13803.2	13789.5	14111.9	15015.1	15343.5	14634.9	13360.7	10324.3	8540.7	7505.2
72.5°	12564.0	12454.5	13216.3	15005.9	16775.8	16681.5	15618.7	11853.9	9240.2	7560.0
75°	9425.7	9133.7	10479.4	13523.4	17014.5	17843.2	17054.1	12802.7	9074.4	6679.6
77.5°	4030.9	3737.4	5323.3	10011.1	15227.9	16680.0	15737.3	11169.7	7243.7	4417.1
80°	1055.2	1053.7	1608.7	4538.7	10356.2	12317.7	10806.3	7213.3	4138.8	1578.3
82.5°	436.4	425.7	591.5	1765.3	5060.3	6912.2	5641.1	3217.4	1494.7	427.3
85°	162.7	161.2	287.4	609.7	1785.1	2851.0	2063.3	822.6	372.5	208.3
87.5°	45.6	44.1	62.3	211.4	434.9	659.9	352.8	135.3	104.9	82.1
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°
3278.2	0°	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2	3278.2
3284.3	2.5°	3288.9	3296.5	3310.2	3320.8	3334.5	3349.7	3371.0	3384.7	3398.3	3407.5
3291.9	5°	3302.6	3319.3	3354.2	3389.2	3430.3	3468.3	3512.4	3544.3	3570.2	3577.8
3319.3	7.5°	3333.0	3360.3	3419.6	3478.9	3544.3	3606.7	3670.5	3725.3	3769.3	3786.1
3367.9	10°	3386.2	3422.7	3506.3	3589.9	3676.6	3772.4	3854.5	3933.6	3995.9	4021.8
3425.7	12.5°	3453.1	3498.7	3608.2	3723.7	3843.9	3976.1	4082.6	4179.9	4257.4	4292.4
3506.3	15°	3539.8	3599.1	3738.9	3894.0	4070.4	4254.4	4389.7	4497.7	4584.3	4626.9
3589.9	17.5°	3634.0	3713.1	3889.5	4123.6	4376.0	4617.8	4775.9	4855.0	4944.7	4985.8
3667.5	20°	3725.3	3822.6	4075.0	4415.6	4751.6	5008.6	5136.3	5157.6	5163.7	5168.2
3740.5	22.5°	3819.5	3950.3	4307.6	4783.5	5143.9	5321.8	5340.0	5248.8	5121.1	5061.8
3811.9	25°	3922.9	4096.3	4611.7	5189.5	5481.4	5502.7	5362.8	5140.9	4899.1	4788.1
3869.7	27.5°	4023.3	4265.0	4976.6	5577.2	5724.7	5537.7	5236.6	4921.9	4630.0	4512.9
3910.8	30°	4123.6	4458.1	5379.6	5916.3	5835.7	5451.0	5037.5	4686.2	4392.8	4269.6
3947.2	32.5°	4225.5	4683.2	5843.3	6161.1	5816.0	5267.1	4789.6	4421.6	4163.2	4033.9
3979.2	35°	4341.1	4959.9	6282.8	6294.9	5683.7	4996.4	4462.7	4105.4	3880.3	3777.0
4017.2	37.5°	4491.6	5311.1	6670.5	6328.4	5452.6	4599.5	4056.7	3731.3	3545.8	3498.7
4073.5	40°	4678.6	5733.9	6967.0	6275.2	5110.4	4117.5	3612.7	3352.7	3247.8	3258.5
4149.5	42.5°	4921.9	6206.7	7175.3	6138.3	4634.5	3620.3	3223.5	3107.9	3158.1	3200.7
4263.5	45°	5238.2	6697.9	7304.5	5905.7	4096.3	3199.2	2993.9	3021.3	3059.3	3063.8
4447.5	47.5°	5642.6	7195.1	7389.7	5554.4	3547.4	2902.7	2847.9	2854.0	2846.4	2814.5
4722.7	50°	6147.4	7678.6	7465.7	5089.2	3080.6	2717.2	2644.2	2622.9	2518.0	2414.6
5089.2	52.5°	6722.2	8122.6	7497.6	4511.4	2717.2	2562.1	2443.5	2309.7	2113.5	2081.6
5549.9	55°	7360.8	8533.1	7415.5	3801.3	2411.5	2362.9	2183.5	2022.3	2001.0	1973.6
6156.6	57.5°	8124.1	8975.6	7248.3	3009.1	2098.3	2130.2	1955.4	1973.6	1935.6	1893.0
6936.6	60°	8958.9	9433.3	6954.8	2286.9	1774.4	1839.8	1896.1	1894.6	1883.9	1848.9
7759.2	62.5°	9710.0	9734.3	6377.0	1751.6	1490.1	1614.8	1768.4	1766.8	1757.7	1737.9
8618.3	65°	10157.0	9688.7	5413.0	1379.1	1255.9	1429.3	1595.0	1607.2	1608.7	1607.2
9264.5	67.5°	10078.0	9155.0	4090.2	1097.8	1062.8	1240.7	1423.2	1439.9	1452.1	1455.1
9346.6	70°	9183.9	7982.7	2667.0	875.8	891.0	1075.0	1260.5	1277.2	1287.9	1300.0
8110.4	72.5°	7158.6	5869.2	1526.6	708.6	740.5	932.1	1099.3	1119.1	1125.2	1148.0
5644.1	75°	4362.3	3451.6	824.1	558.0	608.2	796.7	939.7	962.5	973.1	1000.5
2771.9	77.5°	2074.0	1494.7	469.8	434.9	489.6	650.8	793.7	819.6	790.7	805.9
764.8	80°	701.0	555.0	296.5	331.5	374.0	507.9	635.6	661.4	600.6	597.6
253.9	82.5°	244.8	225.0	188.5	220.5	241.8	363.4	480.5	513.9	447.0	445.5
114.0	85°	95.8	91.2	104.9	120.1	144.4	223.5	316.3	333.0	275.2	222.0
33.5	87.5°	19.8	21.3	25.8	27.4	44.1	77.5	114.0	139.9	111.0	94.3
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°
3278.2
3401.4
3580.8
3787.6
4023.3
4292.4
4623.9
4984.2
5180.4
5078.5
4804.8
4526.6
4283.3
4050.6
3799.8
3532.1
3294.9
3240.2
3094.2
2838.8
2428.3
2092.2
1978.2
1885.4
1836.8
1730.3
1607.2
1458.2
1306.1
1157.1
1003.5
793.7
591.5
424.2
219.0
86.7
0.0

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