

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: P849553

Luminaire Tested: **GLAN-SB6C-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849553
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-SB6C-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28991 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

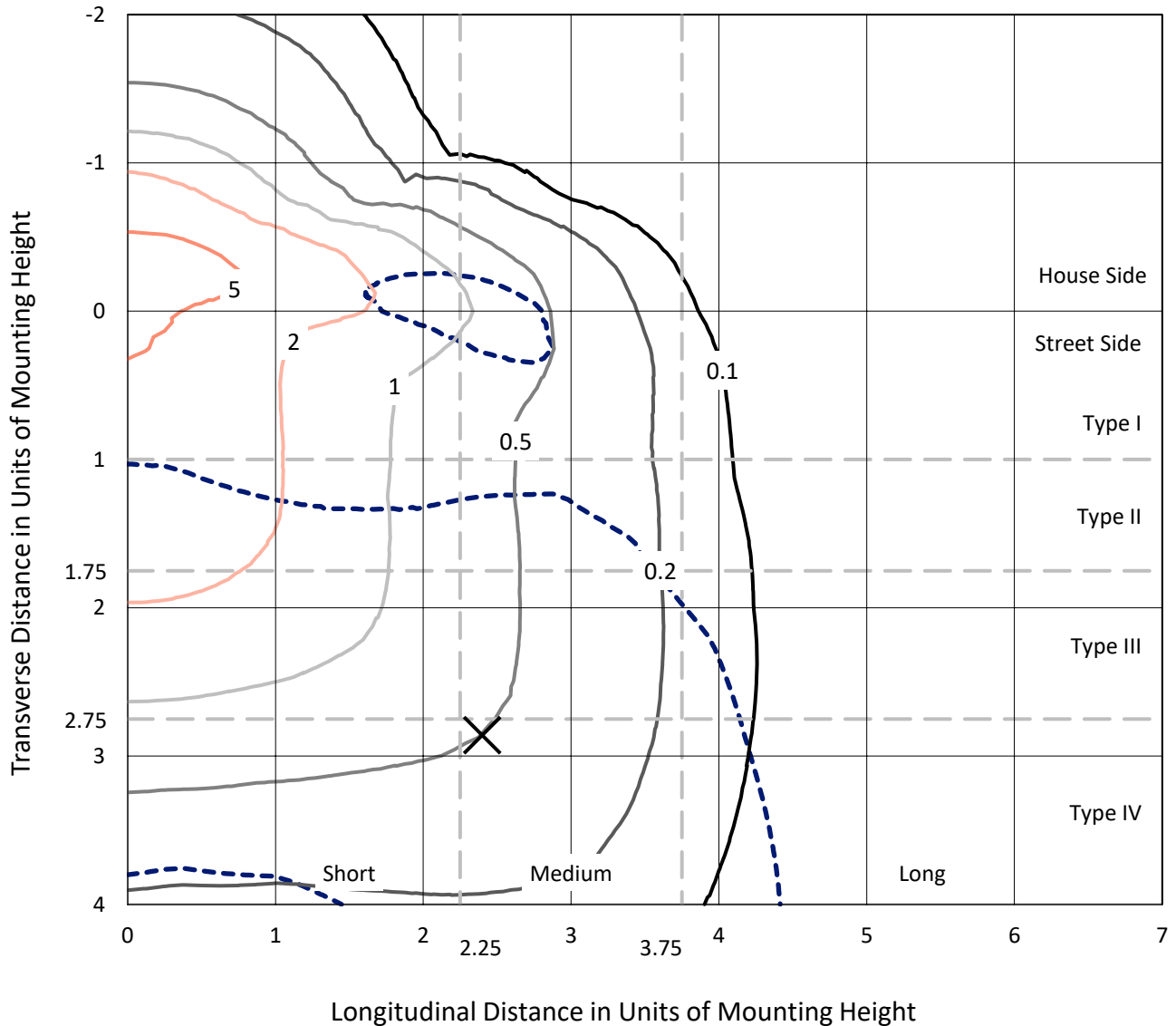
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

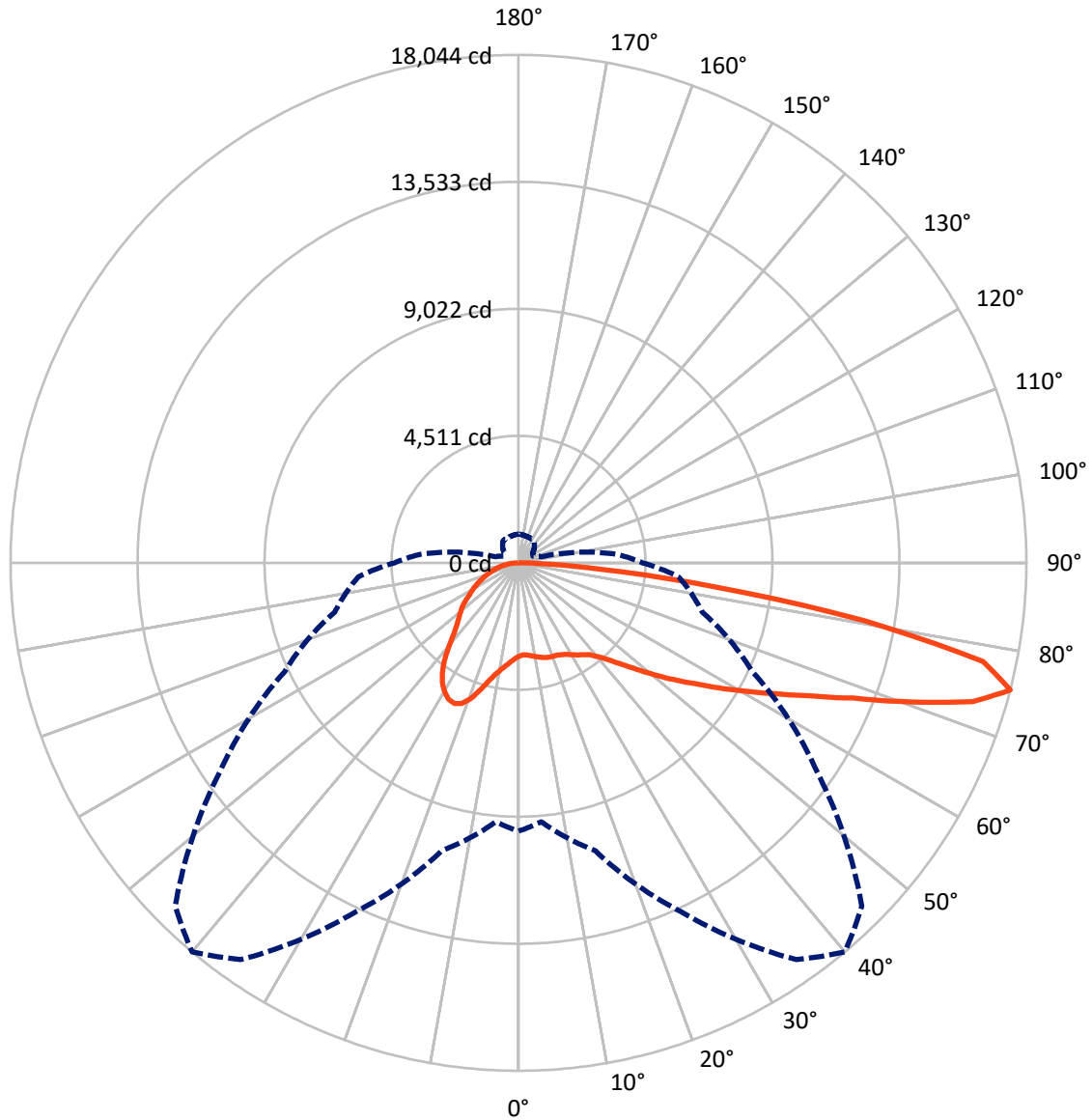
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	8982.4	0.0	8982.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20008.6	0.0	20008.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	28991.0	0.0	28991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.9	1.1
10°-20°	1111.0	3.8
20°-30°	2028.7	7.0
30°-40°	2877.2	9.9
40°-50°	3885.1	13.4
50°-60°	5226.5	18.0
60°-70°	6633.6	22.9
70°-80°	6020.4	20.8
80°-90°	877.6	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°	28991.0	100.0
0°-180°	28991.0	100.0

Coefficient of Utilization

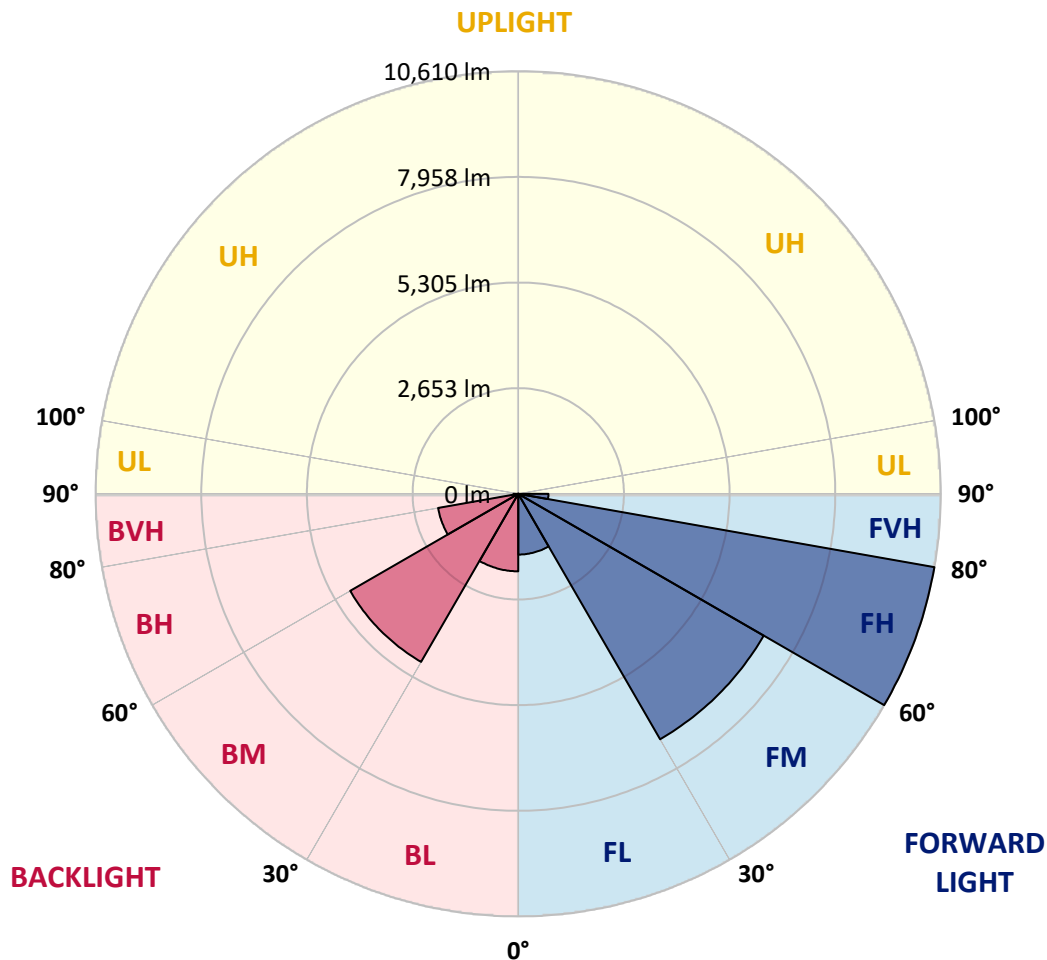


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1525.0	5.3			
FM (30°-60°)	7116.6	24.5			
FH (60°-80°)	10610.3	36.6			G4/12000
FVH (80°-90°)	756.8	2.6			G5
BL (0°-30°)	1945.7	6.7	B3/2500		
BM (30°-60°)	4872.1	16.8	B3/5000		
BH (60°-80°)	2043.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	120.8	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-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2
2.5°	3264.4	3282.9	3278.3	3272.1	3272.1	3273.6	3272.1	3282.9	3293.6	3304.4
5°	3298.2	3316.7	3307.5	3299.8	3293.6	3292.1	3287.5	3285.9	3292.1	3305.9
7.5°	3364.4	3382.8	3369.0	3355.1	3342.8	3336.7	3330.5	3321.3	3316.7	3324.4
10°	3438.2	3456.6	3439.7	3415.1	3395.1	3387.4	3381.3	3372.1	3365.9	3370.5
12.5°	3512.0	3530.4	3507.4	3473.5	3447.4	3442.8	3435.1	3432.0	3430.5	3428.9
15°	3581.2	3596.5	3567.3	3527.4	3499.7	3492.0	3484.3	3488.9	3496.6	3505.8
17.5°	3635.0	3650.4	3607.3	3555.0	3528.9	3525.8	3521.2	3536.6	3558.1	3581.2
20°	3684.2	3699.6	3644.2	3573.5	3542.7	3542.7	3544.3	3576.6	3607.3	3641.1
22.5°	3753.4	3765.7	3698.0	3601.2	3556.6	3559.6	3571.9	3604.2	3642.7	3688.8
25°	3856.4	3865.6	3782.6	3653.4	3602.7	3611.9	3622.7	3638.1	3675.0	3728.8
27.5°	4022.5	4030.2	3921.0	3745.7	3668.8	3684.2	3699.6	3688.8	3705.7	3751.9
30°	4256.2	4260.8	4122.4	3890.2	3781.1	3788.8	3791.8	3747.2	3714.9	3751.9
32.5°	4533.0	4531.4	4366.9	4065.5	3908.7	3901.0	3874.9	3787.2	3711.9	3744.2
35°	4962.0	4945.1	4732.9	4311.6	4053.2	4005.6	3944.1	3831.8	3727.2	3736.5
37.5°	5672.4	5620.1	5326.4	4714.4	4268.5	4147.0	4056.3	3904.1	3761.1	3733.4
40°	6473.5	6407.4	6084.5	5266.4	4591.4	4396.1	4250.0	4007.1	3816.4	3747.2
42.5°	7423.7	7329.9	6982.4	5916.9	5000.4	4717.5	4497.6	4137.8	3897.9	3791.8
45°	8590.8	8466.3	7974.2	6650.3	5515.5	5138.8	4845.1	4336.2	4022.5	3877.9
47.5°	9770.2	9800.9	9101.3	7489.9	6133.7	5658.5	5280.3	4634.5	4203.9	4016.3
50°	11023.4	11044.9	10222.3	8420.1	6834.8	6245.9	5769.2	4968.1	4456.1	4213.1
52.5°	12001.3	12004.4	11240.2	9393.5	7565.2	6891.7	6296.7	5349.5	4748.2	4474.5
55°	12613.3	12605.6	11953.6	10314.5	8404.8	7569.8	6881.0	5783.1	5105.0	4782.1
57.5°	13057.7	13034.6	12445.7	11106.4	9299.7	8370.9	7542.1	6275.1	5526.3	5148.0
60°	13226.8	13213.0	12779.4	11790.7	10240.7	9256.6	8304.8	6825.6	6004.5	5580.1
62.5°	13291.4	13317.5	13106.9	12453.4	11247.9	10237.6	9142.8	7483.7	6542.7	6069.1
65°	13519.0	13566.6	13523.6	13320.6	12385.7	11386.3	10254.5	8266.4	7130.1	6593.4
67.5°	13969.5	14017.2	14035.6	14358.5	13775.7	12817.8	11641.5	9241.2	7817.4	7137.7
70°	13958.7	13944.9	14270.9	15184.2	15516.4	14799.8	13511.3	10440.6	8636.9	7589.8
72.5°	12705.5	12594.8	13365.2	15175.0	16964.8	16869.5	15794.7	11987.5	9344.3	7645.2
75°	9531.9	9236.6	10597.4	13675.8	17206.2	18044.2	17246.2	12947.0	9176.7	6754.9
77.5°	4076.3	3779.5	5383.3	10123.8	15399.5	16867.9	15914.6	11295.5	7325.3	4466.9
80°	1067.1	1065.6	1626.8	4589.9	10472.9	12456.5	10928.0	7294.6	4185.5	1596.1
82.5°	441.3	430.5	598.1	1785.2	5117.3	6990.1	5704.7	3253.7	1511.5	432.1
85°	164.5	163.0	290.6	616.6	1805.2	2883.1	2086.6	831.9	376.7	210.7
87.5°	46.1	44.6	63.0	213.7	439.8	667.3	356.7	136.9	106.1	83.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3315.2	0°	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2	3315.2
3321.3	2.5°	3325.9	3333.6	3347.4	3358.2	3372.1	3387.4	3409.0	3422.8	3436.6	3445.9
3329.0	5°	3339.8	3356.7	3392.0	3427.4	3468.9	3507.4	3552.0	3584.2	3610.4	3618.1
3356.7	7.5°	3370.5	3398.2	3458.2	3518.1	3584.2	3647.3	3711.9	3767.2	3811.8	3828.7
3405.9	10°	3424.3	3461.2	3545.8	3630.4	3718.0	3814.9	3897.9	3977.9	4040.9	4067.1
3464.3	12.5°	3492.0	3538.1	3648.8	3765.7	3887.2	4020.9	4128.6	4227.0	4305.4	4340.8
3545.8	15°	3579.6	3639.6	3781.1	3937.9	4116.3	4302.3	4439.2	4548.3	4636.0	4679.0
3630.4	17.5°	3675.0	3754.9	3933.3	4170.1	4425.3	4669.8	4829.7	4909.7	5000.4	5041.9
3708.8	20°	3767.2	3865.6	4120.9	4465.3	4805.1	5065.0	5194.2	5215.7	5221.8	5226.5
3782.6	22.5°	3862.6	3994.8	4356.1	4837.4	5201.8	5381.8	5400.2	5307.9	5178.8	5118.8
3854.9	25°	3967.1	4142.4	4663.7	5248.0	5543.2	5564.7	5423.3	5198.8	4954.3	4842.0
3913.3	27.5°	4068.6	4313.1	5032.7	5640.1	5789.2	5600.1	5295.6	4977.4	4682.1	4563.7
3954.8	30°	4170.1	4508.4	5440.2	5983.0	5901.5	5512.5	5094.2	4739.0	4442.3	4317.7
3991.7	32.5°	4273.1	4735.9	5909.2	6230.5	5881.5	5326.4	4843.6	4471.5	4210.1	4079.4
4024.0	35°	4390.0	5015.8	6353.5	6365.8	5747.7	5052.7	4513.0	4151.6	3924.1	3819.5
4062.5	37.5°	4542.2	5371.0	6745.6	6399.7	5514.0	4651.4	4102.4	3773.4	3585.8	3538.1
4119.3	40°	4731.3	5798.5	7045.5	6345.9	5168.0	4163.9	3653.4	3390.5	3284.4	3295.2
4196.2	42.5°	4977.4	6276.7	7256.1	6207.5	4686.7	3661.1	3259.8	3142.9	3193.7	3236.7
4311.6	45°	5297.2	6773.3	7386.8	5972.2	4142.4	3235.2	3027.6	3055.3	3093.7	3098.4
4497.6	47.5°	5706.2	7276.1	7472.9	5617.0	3587.3	2935.4	2880.0	2886.2	2878.5	2846.2
4775.9	50°	6216.7	7765.1	7549.8	5146.5	3115.3	2747.8	2674.0	2652.4	2546.3	2441.8
5146.5	52.5°	6797.9	8214.1	7582.1	4562.2	2747.8	2590.9	2471.0	2335.7	2137.3	2105.0
5612.4	55°	7443.7	8629.3	7499.1	3844.1	2438.7	2389.5	2208.1	2045.1	2023.5	1995.9
6225.9	57.5°	8215.6	9076.7	7329.9	3043.0	2121.9	2154.2	1977.4	1995.9	1957.4	1914.4
7014.7	60°	9059.8	9539.5	7033.2	2312.6	1794.4	1860.5	1917.4	1915.9	1905.1	1869.8
7846.6	62.5°	9819.4	9844.0	6448.9	1771.4	1506.9	1633.0	1788.3	1786.7	1777.5	1757.5
8715.4	65°	10271.5	9797.9	5474.0	1394.6	1270.1	1445.4	1613.0	1625.3	1626.8	1625.3
9368.9	67.5°	10191.5	9258.2	4136.3	1110.2	1074.8	1254.7	1439.2	1456.1	1468.4	1471.5
9451.9	70°	9287.4	8072.6	2697.0	885.7	901.1	1087.1	1274.7	1291.6	1302.4	1314.7
8201.8	72.5°	7239.2	5935.3	1543.8	716.5	748.8	942.6	1111.7	1131.7	1137.9	1160.9
5707.7	75°	4411.5	3490.5	833.4	564.3	615.1	805.7	950.3	973.3	984.1	1011.8
2803.1	77.5°	2097.3	1511.5	475.1	439.8	495.1	658.1	802.6	828.8	799.6	815.0
773.4	80°	708.9	561.2	299.8	335.2	378.3	513.6	642.7	668.9	607.4	604.3
256.8	82.5°	247.6	227.6	190.7	223.0	244.5	367.5	485.9	519.7	452.1	450.5
115.3	85°	96.9	92.3	106.1	121.5	146.1	226.0	319.8	336.7	278.3	224.5
33.8	87.5°	20.0	21.5	26.1	27.7	44.6	78.4	115.3	141.5	112.2	95.3
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°
3315.2
3439.7
3621.2
3830.3
4068.6
4340.8
4676.0
5040.4
5238.8
5135.7
4859.0
4577.6
4331.5
4096.3
3842.6
3571.9
3332.1
3276.7
3129.1
2870.8
2455.6
2115.8
2000.5
1906.7
1857.5
1749.8
1625.3
1474.6
1320.8
1170.1
1014.8
802.6
598.1
429.0
221.4
87.6
0.0

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