

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: P850543

Luminaire Tested: **GLAN-SB8A-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850543
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-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 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: 29771 lumens
Efficiency: N/A
Efficacy: 131.1 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

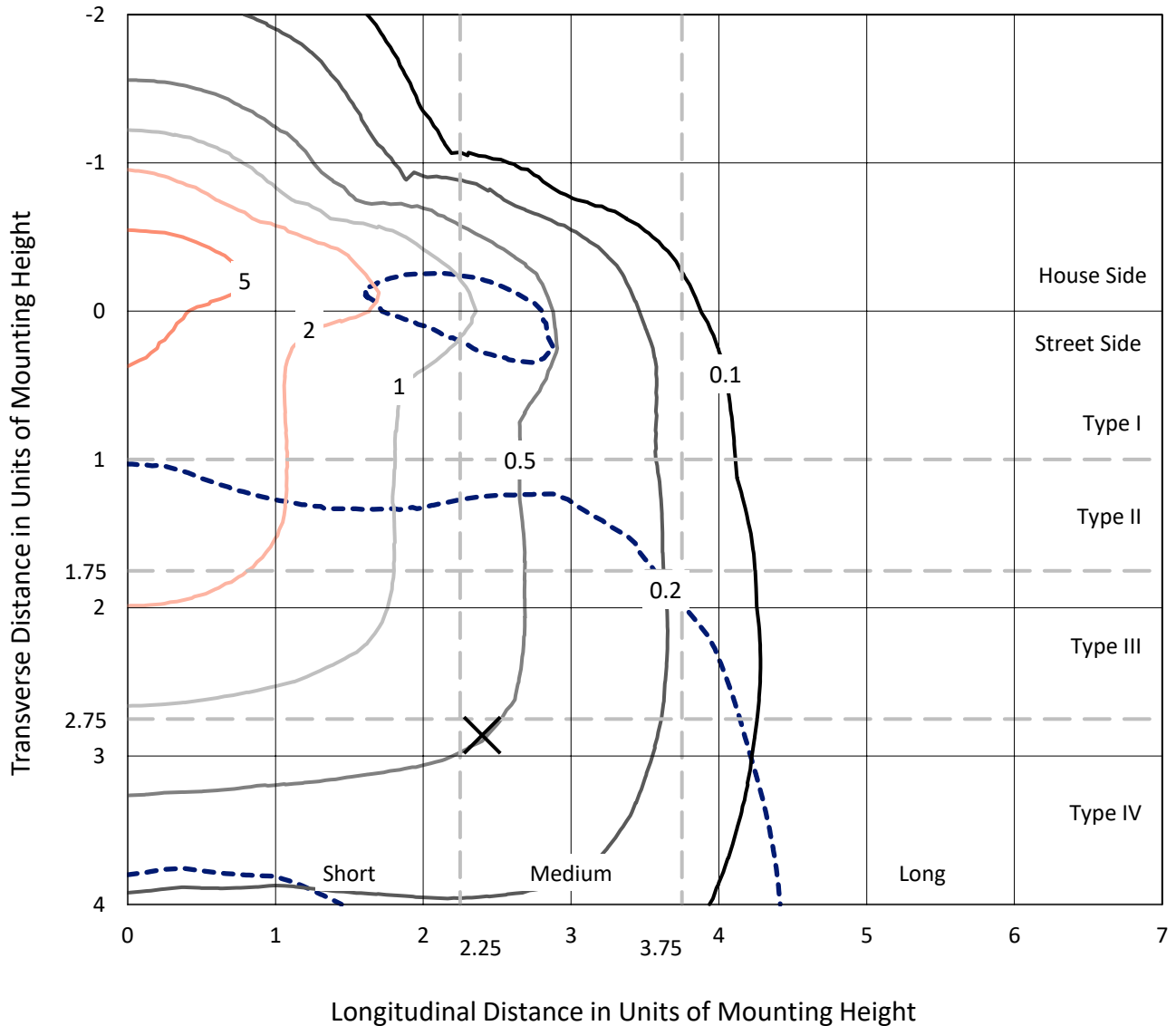
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

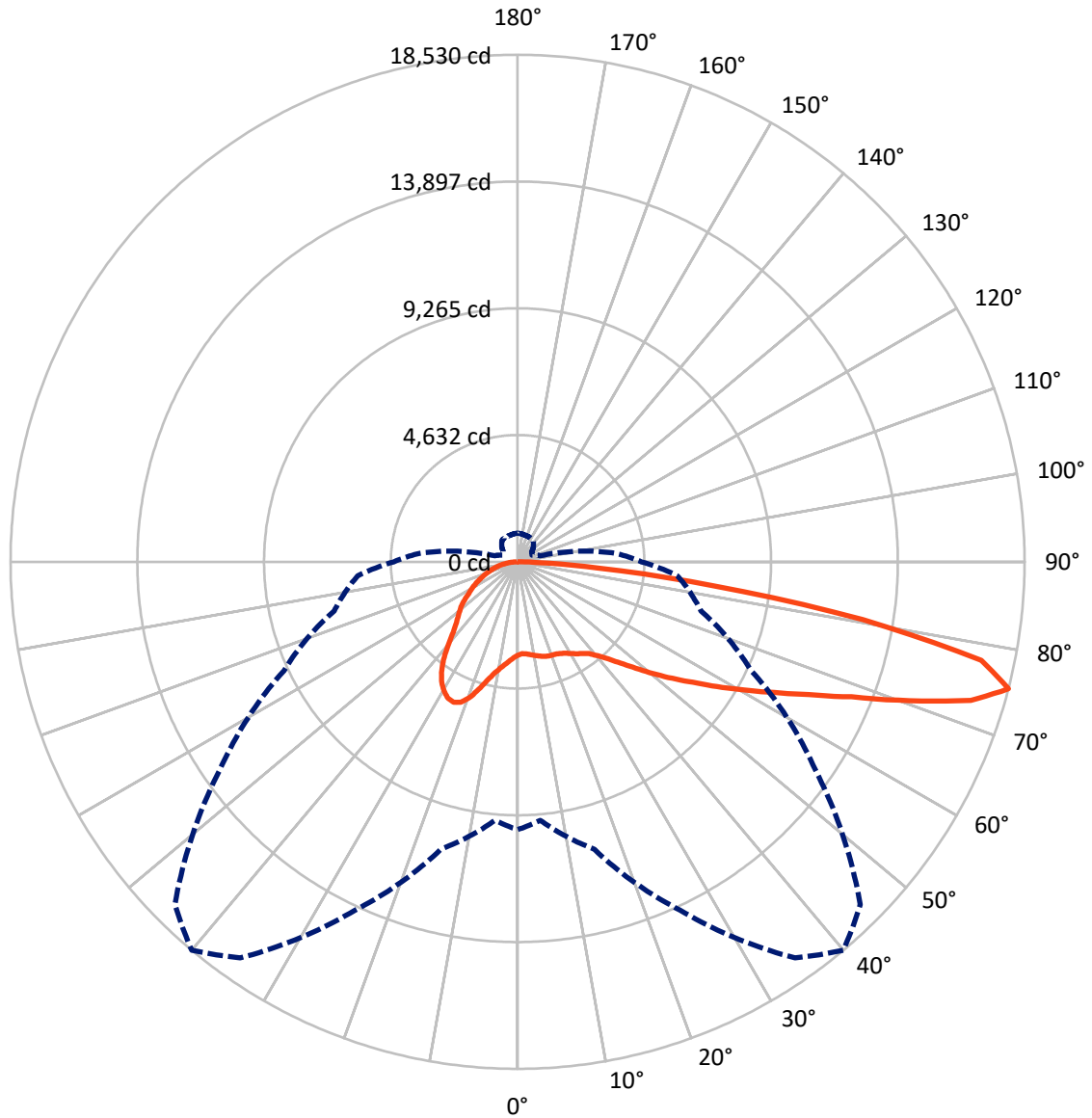
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	9224.0	0.0	9224.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20547.0	0.0	20547.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	29771.0	0.0	29771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.8	1.1
10°-20°	1140.9	3.8
20°-30°	2083.2	7.0
30°-40°	2954.6	9.9
40°-50°	3989.6	13.4
50°-60°	5367.1	18.0
60°-70°	6812.1	22.9
70°-80°	6182.4	20.8
80°-90°	901.2	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°	29771.0	100.0
0°-180°	29771.0	100.0

Coefficient of Utilization

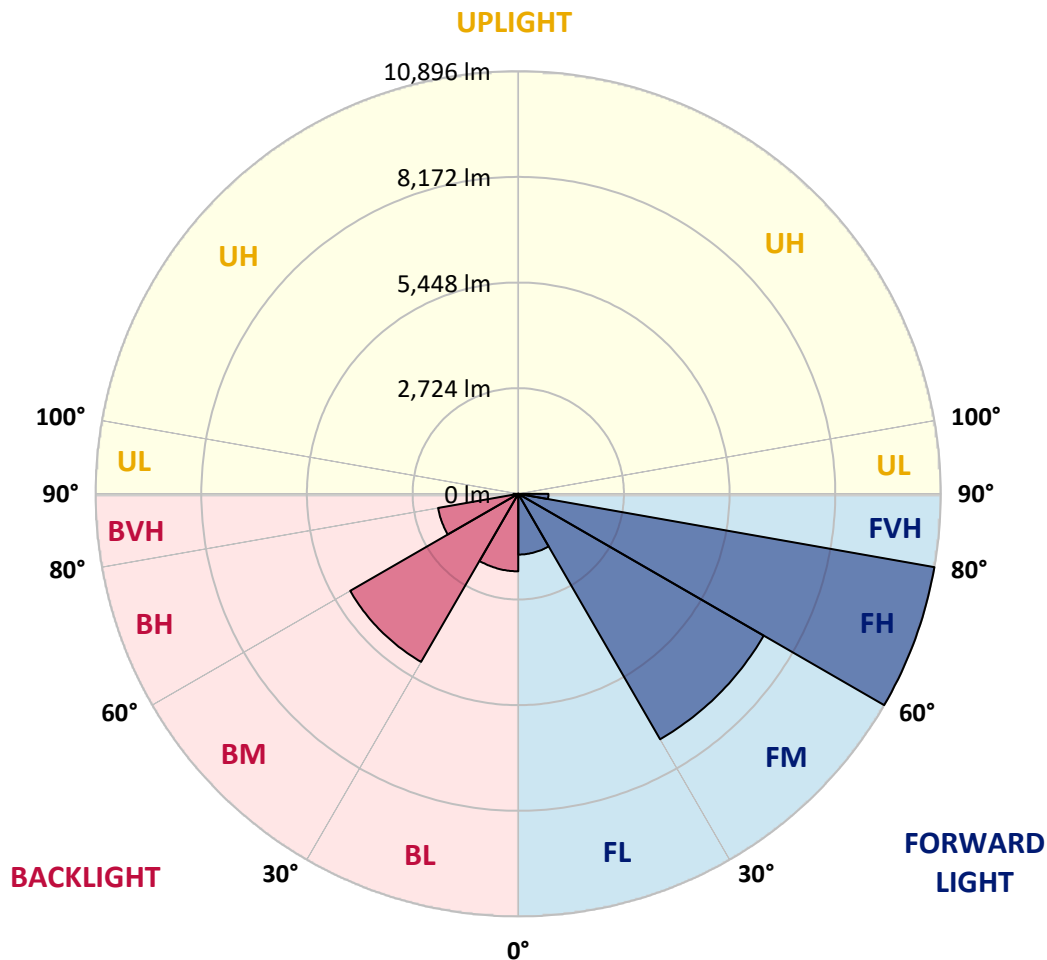


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1566.0	5.3			
FM (30°-60°)	7308.1	24.5			
FH (60°-80°)	10895.7	36.6			G4/12000
FVH (80°-90°)	777.1	2.6			G5
BL (0°-30°)	1998.0	6.7	B3/2500		
BM (30°-60°)	5003.2	16.8	B4/8500		
BH (60°-80°)	2098.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	124.1	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°	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4
2.5°	3352.2	3371.2	3366.5	3360.1	3360.1	3361.7	3360.1	3371.2	3382.2	3393.3
5°	3387.0	3405.9	3396.5	3388.6	3382.2	3380.7	3375.9	3374.4	3380.7	3394.9
7.5°	3454.9	3473.8	3459.6	3445.4	3432.8	3426.5	3420.1	3410.7	3405.9	3413.8
10°	3530.7	3549.6	3532.3	3507.0	3486.5	3478.6	3472.3	3462.8	3456.5	3461.2
12.5°	3606.5	3625.4	3601.7	3567.0	3540.1	3535.4	3527.5	3524.4	3522.8	3521.2
15°	3677.5	3693.3	3663.3	3622.3	3593.8	3585.9	3578.0	3582.8	3590.7	3600.2
17.5°	3732.8	3748.6	3704.4	3650.7	3623.8	3620.7	3615.9	3631.7	3653.8	3677.5
20°	3783.3	3799.1	3742.3	3669.6	3638.0	3638.0	3639.6	3672.8	3704.4	3739.1
22.5°	3854.4	3867.0	3797.5	3698.1	3652.3	3655.4	3668.0	3701.2	3740.7	3788.1
25°	3960.2	3969.6	3884.4	3751.7	3699.6	3709.1	3720.2	3735.9	3773.8	3829.1
27.5°	4130.7	4138.6	4026.5	3846.5	3767.5	3783.3	3799.1	3788.1	3805.4	3852.8
30°	4370.7	4375.4	4233.3	3994.9	3882.8	3890.7	3893.8	3848.1	3814.9	3852.8
32.5°	4654.9	4653.4	4484.4	4174.9	4013.9	4006.0	3979.1	3889.1	3811.7	3844.9
35°	5095.5	5078.1	4860.2	4427.6	4162.3	4113.3	4050.2	3934.9	3827.5	3837.0
37.5°	5825.0	5771.3	5469.7	4841.3	4383.3	4258.6	4165.4	4009.1	3862.3	3833.8
40°	6647.6	6579.8	6248.2	5408.1	4714.9	4514.4	4364.4	4114.9	3919.1	3848.1
42.5°	7623.5	7527.2	7170.3	6076.0	5135.0	4844.4	4618.6	4249.1	4002.8	3893.8
45°	8821.9	8694.0	8188.8	6829.2	5663.9	5277.1	4975.5	4452.8	4130.7	3982.3
47.5°	10033.1	10064.6	9346.2	7691.4	6298.7	5810.8	5422.3	4759.1	4317.0	4124.4
50°	11319.9	11342.1	10497.3	8646.7	7018.7	6414.0	5924.5	5101.8	4576.0	4326.5
52.5°	12324.2	12327.4	11542.6	9646.2	7768.7	7077.1	6466.1	5493.4	4876.0	4594.9
55°	12952.6	12944.8	12275.3	10592.0	8630.9	7773.5	7066.1	5938.7	5242.3	4910.7
57.5°	13409.0	13385.3	12780.5	11405.2	9549.9	8596.2	7745.1	6444.0	5675.0	5286.5
60°	13582.7	13568.5	13123.2	12107.9	10516.2	9505.7	8528.3	7009.2	6166.0	5730.2
62.5°	13649.0	13675.8	13459.5	12788.4	11550.5	10513.1	9388.8	7685.1	6718.7	6232.4
65°	13882.7	13931.6	13887.4	13679.0	12719.0	11692.6	10530.4	8488.8	7321.9	6770.8
67.5°	14345.3	14394.3	14413.2	14744.8	14146.4	13162.7	11954.7	9489.9	8027.7	7329.8
70°	14334.3	14320.1	14654.8	15592.8	15933.8	15198.0	13874.8	10721.5	8869.3	7794.0
72.5°	13047.4	12933.7	13724.8	15583.3	17421.3	17323.4	16219.6	12310.0	9595.7	7850.9
75°	9788.3	9485.1	10882.6	14043.7	17669.2	18529.7	17710.2	13295.3	9423.6	6936.6
77.5°	4186.0	3881.2	5528.1	10396.2	15813.8	17321.8	16342.8	11599.4	7522.4	4587.0
80°	1095.8	1094.3	1670.6	4713.4	10754.7	12791.6	11222.1	7490.8	4298.1	1639.0
82.5°	453.2	442.1	614.2	1833.2	5255.0	7178.2	5858.1	3341.2	1552.2	443.7
85°	169.0	167.4	298.4	633.2	1853.8	2960.7	2142.7	854.2	386.9	216.3
87.5°	47.4	45.8	64.7	219.5	451.6	685.3	366.3	140.5	109.0	85.3
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°
3404.4	0°	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4	3404.4
3410.7	2.5°	3415.4	3423.3	3437.5	3448.6	3462.8	3478.6	3500.7	3514.9	3529.1	3538.6
3418.6	5°	3429.6	3447.0	3483.3	3519.6	3562.3	3601.7	3647.5	3680.7	3707.5	3715.4
3447.0	7.5°	3461.2	3489.6	3551.2	3612.8	3680.7	3745.4	3811.7	3868.6	3914.4	3931.7
3497.5	10°	3516.5	3554.4	3641.2	3728.1	3818.1	3917.5	4002.8	4084.9	4149.6	4176.5
3557.5	12.5°	3585.9	3633.3	3747.0	3867.0	3991.7	4129.1	4239.7	4340.7	4421.2	4457.6
3641.2	15°	3675.9	3737.5	3882.8	4043.9	4227.0	4418.1	4558.6	4670.7	4760.7	4804.9
3728.1	17.5°	3773.8	3856.0	4039.1	4282.3	4544.4	4795.5	4959.7	5041.8	5135.0	5177.6
3808.6	20°	3868.6	3969.6	4231.8	4585.5	4934.4	5201.3	5333.9	5356.0	5362.3	5367.1
3884.4	22.5°	3966.5	4102.3	4473.3	4967.6	5341.8	5526.5	5545.5	5450.8	5318.1	5256.5
3958.6	25°	4073.9	4253.9	4789.1	5389.2	5692.3	5714.5	5569.2	5338.6	5087.6	4972.3
4018.6	27.5°	4178.1	4429.1	5168.1	5791.8	5945.0	5750.8	5438.1	5111.3	4808.1	4686.5
4061.2	30°	4282.3	4629.7	5586.6	6143.9	6060.3	5660.8	5231.3	4866.5	4561.8	4433.9
4099.1	32.5°	4388.1	4863.4	6068.1	6398.2	6039.7	5469.7	4973.9	4591.8	4323.3	4189.1
4132.3	35°	4508.1	5150.7	6524.5	6537.1	5902.4	5188.6	4634.4	4263.3	4029.6	3922.3
4171.8	37.5°	4664.4	5515.5	6927.1	6571.9	5662.3	4776.5	4212.8	3874.9	3682.3	3633.3
4230.2	40°	4858.6	5954.5	7235.0	6516.6	5307.1	4276.0	3751.7	3481.7	3372.8	3383.8
4309.1	42.5°	5111.3	6445.5	7451.4	6374.5	4812.8	3759.6	3347.5	3227.5	3279.6	3323.8
4427.6	45°	5439.7	6955.6	7585.6	6132.9	4253.9	3322.2	3109.1	3137.5	3177.0	3181.7
4618.6	47.5°	5859.7	7471.9	7674.0	5768.1	3683.8	3014.3	2957.5	2963.8	2955.9	2922.8
4904.4	50°	6384.0	7974.0	7753.0	5285.0	3199.1	2821.7	2745.9	2723.8	2614.8	2507.5
5285.0	52.5°	6980.8	8435.1	7786.1	4684.9	2821.7	2660.6	2537.5	2398.5	2194.8	2161.7
5763.4	55°	7644.0	8861.4	7700.8	3947.5	2504.3	2453.8	2267.5	2100.1	2078.0	2049.6
6393.4	57.5°	8436.7	9320.9	7527.2	3124.9	2179.0	2212.2	2030.6	2049.6	2010.1	1965.9
7203.5	60°	9303.5	9796.2	7222.4	2374.8	1842.7	1910.6	1969.0	1967.5	1956.4	1920.1
8057.7	62.5°	10083.6	10108.8	6622.4	1819.0	1547.4	1676.9	1836.4	1834.8	1825.3	1804.8
8949.8	65°	10547.8	10061.5	5621.3	1432.2	1304.3	1484.3	1656.4	1669.0	1670.6	1669.0
9620.9	67.5°	10465.7	9507.2	4247.5	1140.0	1103.7	1288.5	1478.0	1495.3	1508.0	1511.1
9706.2	70°	9537.2	8289.8	2769.6	909.5	925.3	1116.4	1309.0	1326.4	1337.4	1350.1
8422.5	72.5°	7434.0	6095.0	1585.3	735.8	769.0	967.9	1141.6	1162.2	1168.5	1192.2
5861.3	75°	4530.2	3584.4	855.8	579.5	631.6	827.4	975.8	999.5	1010.6	1039.0
2878.5	77.5°	2153.8	1552.2	487.9	451.6	508.4	675.8	824.2	851.1	821.1	836.9
794.2	80°	727.9	576.3	307.9	344.2	388.4	527.4	660.0	686.9	623.7	620.6
263.7	82.5°	254.2	233.7	195.8	229.0	251.1	377.4	499.0	533.7	464.2	462.7
118.4	85°	99.5	94.7	109.0	124.7	150.0	232.1	328.4	345.8	285.8	230.5
34.7	87.5°	20.5	22.1	26.8	28.4	45.8	80.5	118.4	145.3	115.3	97.9
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°
3404.4
3532.3
3718.6
3933.3
4178.1
4457.6
4801.8
5176.0
5379.7
5273.9
4989.7
4700.7
4448.1
4206.5
3946.0
3668.0
3421.7
3364.9
3213.3
2948.0
2521.7
2172.7
2054.3
1958.0
1907.4
1796.9
1669.0
1514.3
1356.4
1201.6
1042.1
824.2
614.2
440.5
227.4
90.0
0.0

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