

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: P850453

Luminaire Tested: **GLAN-SB8A-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850453  
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-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 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: 28117 lumens  
Efficiency: N/A  
Efficacy: 123.8 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

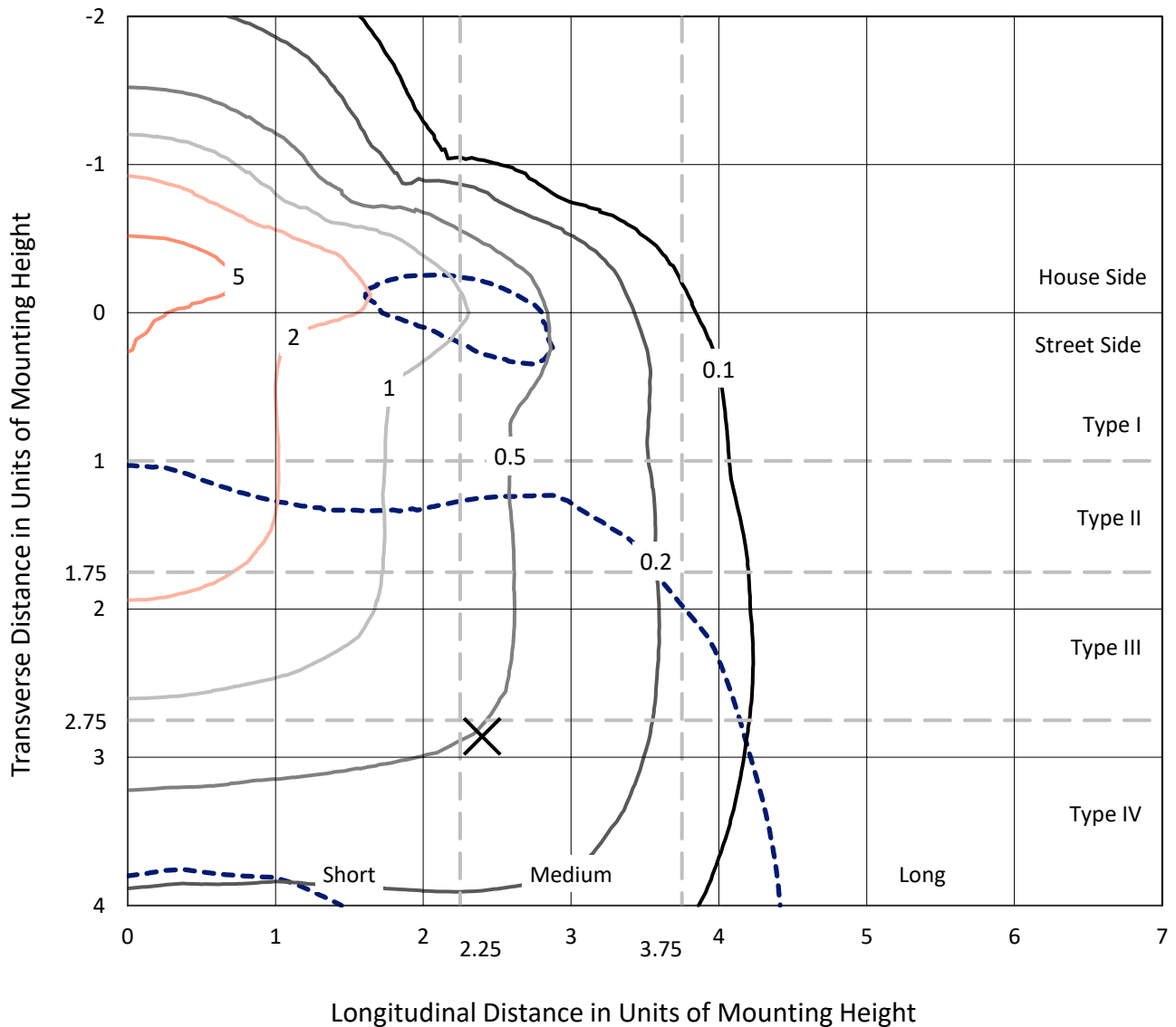
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

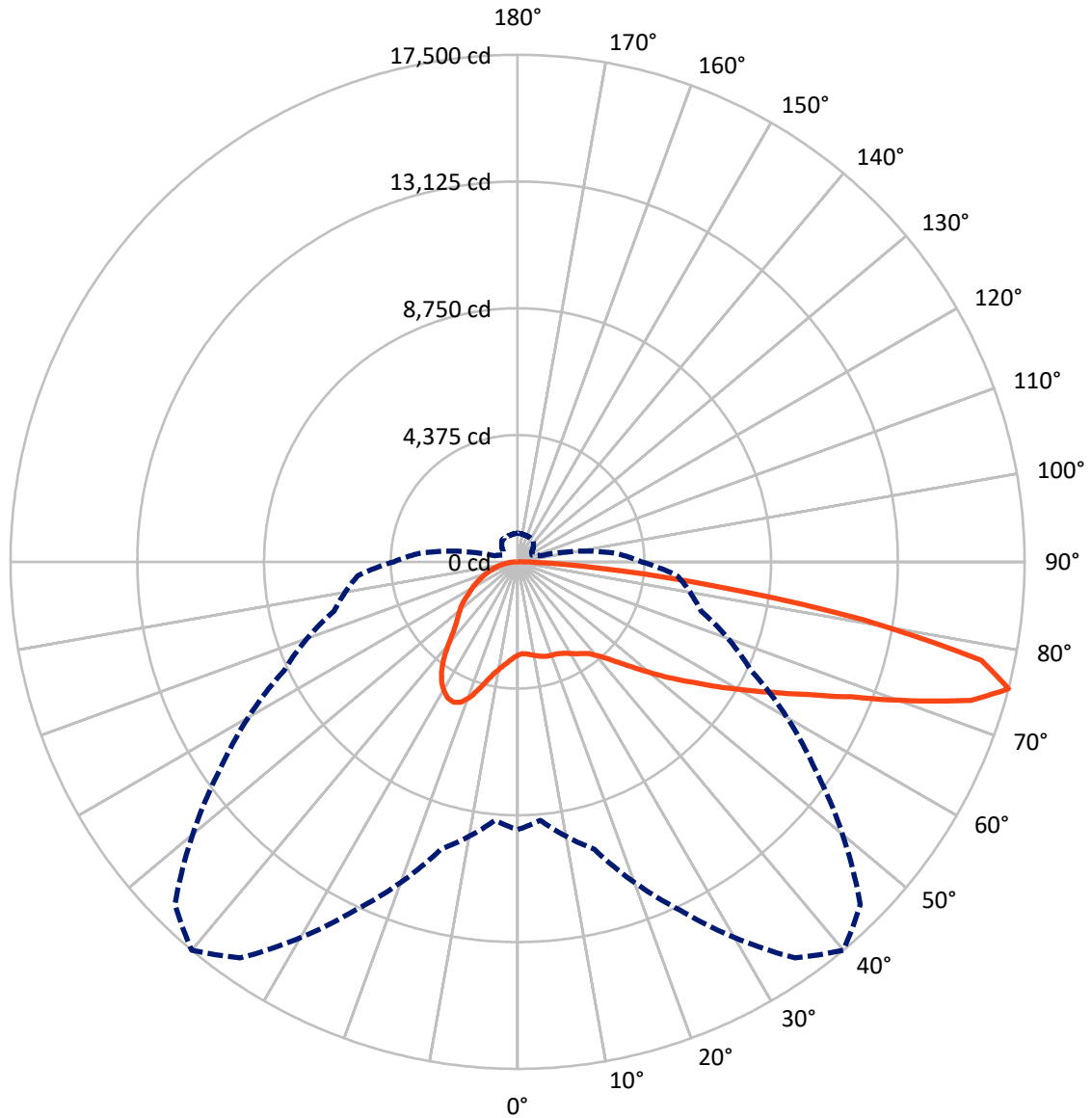
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	8711.6	0.0	8711.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	19405.4	0.0	19405.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	28117.0	0.0	28117.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	320.9	1.1
10°-20°	1077.5	3.8
20°-30°	1967.5	7.0
30°-40°	2790.5	9.9
40°-50°	3768.0	13.4
50°-60°	5068.9	18.0
60°-70°	6433.6	22.9
70°-80°	5838.9	20.8
80°-90°	851.1	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°	28117.0	100.0
0°-180°	28117.0	100.0

**Coefficient of Utilization**

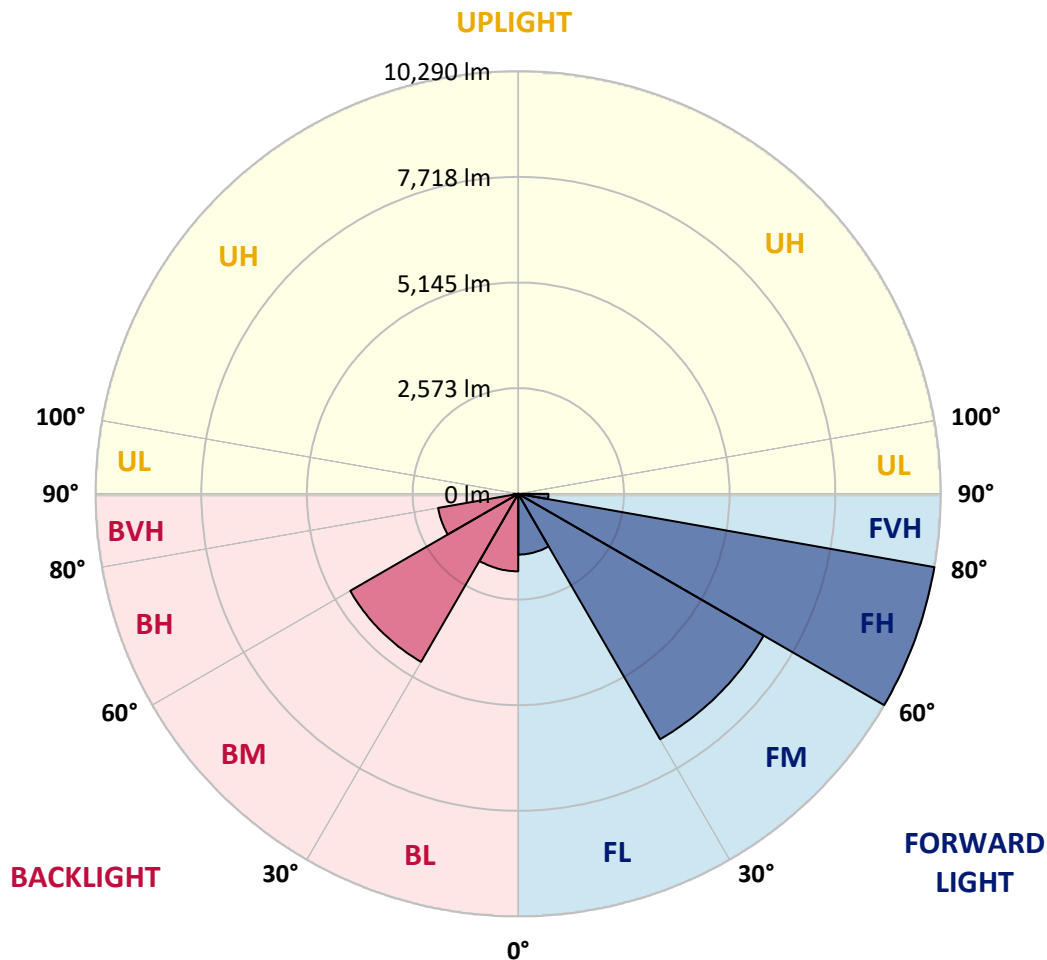


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1479.0	5.3			
FM (30°-60°)	6902.1	24.5			
FH (60°-80°)	10290.4	36.6			G4/12000
FVH (80°-90°)	734.0	2.6			G4/750
BL (0°-30°)	1887.0	6.7	B3/2500		
BM (30°-60°)	4725.3	16.8	B3/5000		
BH (60°-80°)	1982.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	117.2	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°	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2
2.5°	3166.0	3183.9	3179.4	3173.5	3173.5	3175.0	3173.5	3183.9	3194.3	3204.8
5°	3198.8	3216.7	3207.8	3200.3	3194.3	3192.8	3188.4	3186.9	3192.8	3206.3
7.5°	3262.9	3280.8	3267.4	3254.0	3242.1	3236.1	3230.1	3221.2	3216.7	3224.2
10°	3334.5	3352.4	3336.0	3312.2	3292.8	3285.3	3279.3	3270.4	3264.4	3268.9
12.5°	3406.1	3424.0	3401.6	3368.8	3343.5	3339.0	3331.5	3328.6	3327.1	3325.6
15°	3473.2	3488.1	3459.8	3421.0	3394.2	3386.7	3379.3	3383.7	3391.2	3400.1
17.5°	3525.4	3540.3	3498.6	3447.9	3422.5	3419.5	3415.0	3430.0	3450.8	3473.2
20°	3573.1	3588.0	3534.4	3465.8	3435.9	3435.9	3437.4	3468.7	3498.6	3531.4
22.5°	3640.2	3652.2	3586.5	3492.6	3449.3	3452.3	3464.3	3495.6	3532.9	3577.6
25°	3740.1	3749.1	3668.6	3543.3	3494.1	3503.0	3513.5	3528.4	3564.2	3616.4
27.5°	3901.2	3908.7	3802.8	3632.8	3558.2	3573.1	3588.0	3577.6	3594.0	3638.7
30°	4127.9	4132.4	3998.1	3773.0	3667.1	3674.5	3677.5	3634.3	3603.0	3638.7
32.5°	4396.3	4394.8	4235.3	3943.0	3790.9	3783.4	3758.0	3673.0	3600.0	3631.3
35°	4812.4	4796.0	4590.2	4181.6	3931.0	3884.8	3825.2	3716.3	3614.9	3623.8
37.5°	5501.4	5450.7	5165.8	4572.3	4139.8	4022.0	3934.0	3786.4	3647.7	3620.8
40°	6278.3	6214.2	5901.0	5107.7	4453.0	4263.6	4121.9	3886.3	3701.4	3634.3
42.5°	7199.9	7109.0	6771.9	5738.5	4849.7	4575.3	4362.0	4013.1	3780.4	3677.5
45°	8331.8	8211.0	7733.8	6449.8	5349.2	4983.9	4699.0	4205.4	3901.2	3761.0
47.5°	9475.6	9505.5	8826.9	7264.1	5948.7	5487.9	5121.1	4494.7	4077.2	3895.2
50°	10691.0	10711.9	9914.1	8166.3	6628.8	6057.6	5595.3	4818.4	4321.8	4086.1
52.5°	11639.5	11642.5	10901.3	9110.3	7337.1	6684.0	6106.8	5188.2	4605.1	4339.6
55°	12233.0	12225.6	11593.3	10003.6	8151.4	7341.6	6673.5	5608.7	4951.1	4637.9
57.5°	12664.0	12641.6	12070.5	10771.6	9019.3	8118.6	7314.8	6085.9	5359.7	4992.8
60°	12828.1	12814.6	12394.1	11435.2	9932.0	8977.6	8054.4	6619.8	5823.5	5411.9
62.5°	12890.7	12916.0	12711.7	12077.9	10908.8	9929.0	8867.2	7258.1	6345.4	5886.1
65°	13111.4	13157.6	13115.9	12919.0	12012.3	11043.0	9945.4	8017.2	6915.1	6394.6
67.5°	13548.3	13594.6	13612.5	13925.6	13360.4	12431.4	11290.5	8962.6	7581.7	6922.6
70°	13537.9	13524.5	13840.6	14726.5	15048.6	14353.6	13103.9	10125.8	8376.6	7361.0
72.5°	12322.5	12215.1	12962.3	14717.5	16453.4	16360.9	15318.5	11626.1	9062.6	7414.7
75°	9244.5	8958.2	10278.0	13263.5	16687.5	17500.3	16726.3	12556.6	8900.0	6551.2
77.5°	3953.4	3665.6	5221.0	9818.6	14935.2	16359.4	15434.8	10955.0	7104.5	4332.2
80°	1035.0	1033.5	1577.8	4451.5	10157.2	12080.9	10598.6	7074.7	4059.3	1548.0
82.5°	428.0	417.6	580.1	1731.4	4963.0	6779.4	5532.7	3155.6	1465.9	419.1
85°	159.6	158.1	281.9	598.0	1750.8	2796.2	2023.7	806.8	365.4	204.3
87.5°	44.7	43.2	61.1	207.3	426.5	647.2	346.0	132.7	102.9	80.5
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°
3215.2	0°	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2	3215.2
3221.2	2.5°	3225.7	3233.1	3246.5	3257.0	3270.4	3285.3	3306.2	3319.6	3333.0	3342.0
3228.6	5°	3239.1	3255.5	3289.8	3324.1	3364.3	3401.6	3444.9	3476.2	3501.5	3509.0
3255.5	7.5°	3268.9	3295.7	3353.9	3412.1	3476.2	3537.3	3600.0	3653.7	3696.9	3713.3
3303.2	10°	3321.1	3356.9	3438.9	3520.9	3605.9	3699.9	3780.4	3858.0	3919.1	3944.5
3359.9	12.5°	3386.7	3431.5	3538.8	3652.2	3770.0	3899.7	4004.1	4099.6	4175.6	4209.9
3438.9	15°	3471.7	3529.9	3667.1	3819.2	3992.2	4172.6	4305.3	4411.2	4496.2	4538.0
3520.9	17.5°	3564.2	3641.7	3814.7	4044.4	4291.9	4529.0	4684.1	4761.7	4849.7	4889.9
3597.0	20°	3653.7	3749.1	3996.7	4330.7	4660.3	4912.3	5037.6	5058.4	5064.4	5068.9
3668.6	22.5°	3746.1	3874.4	4224.8	4691.6	5045.0	5219.5	5237.4	5147.9	5022.7	4964.5
3738.7	25°	3847.5	4017.5	4523.1	5089.8	5376.1	5397.0	5259.8	5042.0	4804.9	4696.1
3795.3	27.5°	3945.9	4183.1	4881.0	5470.0	5614.7	5431.3	5136.0	4827.3	4541.0	4426.1
3835.6	30°	4044.4	4372.5	5276.2	5802.6	5723.6	5346.3	4940.6	4596.1	4308.3	4187.5
3871.4	32.5°	4144.3	4593.2	5731.0	6042.7	5704.2	5165.8	4697.6	4336.7	4083.1	3956.4
3902.7	35°	4257.6	4864.6	6162.0	6173.9	5574.4	4900.4	4376.9	4026.5	3805.8	3704.4
3940.0	37.5°	4405.3	5209.1	6542.3	6206.7	5347.8	4511.1	3978.8	3659.6	3477.7	3431.5
3995.2	40°	4588.7	5623.6	6833.1	6154.5	5012.2	4038.4	3543.3	3288.3	3185.4	3195.8
4069.7	42.5°	4827.3	6087.4	7037.4	6020.3	4545.4	3550.8	3161.5	3048.2	3097.4	3139.2
4181.6	45°	5137.5	6569.1	7164.1	5792.2	4017.5	3137.7	2936.3	2963.2	3000.5	3004.9
4362.0	47.5°	5534.2	7056.8	7247.7	5447.7	3479.2	2846.9	2793.2	2799.1	2791.7	2760.4
4631.9	50°	6029.3	7531.0	7322.2	4991.3	3021.3	2664.9	2593.3	2572.5	2469.6	2368.2
4991.3	52.5°	6593.0	7966.5	7353.5	4424.7	2664.9	2512.8	2396.5	2265.3	2072.9	2041.6
5443.2	55°	7219.3	8369.1	7273.0	3728.2	2365.2	2317.5	2141.5	1983.4	1962.5	1935.7
6038.2	57.5°	7968.0	8803.1	7109.0	2951.3	2058.0	2089.3	1917.8	1935.7	1898.4	1856.7
6803.3	60°	8786.7	9251.9	6821.2	2242.9	1740.3	1804.5	1859.6	1858.1	1847.7	1813.4
7610.0	62.5°	9523.4	9547.2	6254.5	1718.0	1461.5	1583.7	1734.4	1732.9	1723.9	1704.5
8452.6	65°	9961.8	9502.5	5309.0	1352.6	1231.8	1401.8	1564.4	1576.3	1577.8	1576.3
9086.4	67.5°	9884.3	8979.0	4011.6	1076.7	1042.4	1216.9	1395.8	1412.2	1424.2	1427.2
9166.9	70°	9007.4	7829.3	2615.7	859.0	873.9	1054.3	1236.3	1252.7	1263.1	1275.1
7954.5	72.5°	7021.0	5756.4	1497.3	694.9	726.3	914.2	1078.2	1097.6	1103.6	1125.9
5535.7	75°	4278.5	3385.2	808.3	547.3	596.5	781.4	921.6	944.0	954.4	981.3
2718.6	77.5°	2034.1	1465.9	460.8	426.5	480.2	638.3	778.5	803.8	775.5	790.4
750.1	80°	687.5	544.3	290.8	325.1	366.9	498.1	623.4	648.7	589.1	586.1
249.0	82.5°	240.1	220.7	184.9	216.2	237.1	356.4	471.2	504.1	438.4	436.9
111.8	85°	94.0	89.5	102.9	117.8	141.7	219.2	310.2	326.6	269.9	217.7
32.8	87.5°	19.4	20.9	25.4	26.8	43.2	76.1	111.8	137.2	108.9	92.5
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°
3215.2
3336.0
3512.0
3714.8
3945.9
4209.9
4535.0
4888.4
5080.8
4980.9
4712.5
4439.6
4201.0
3972.8
3726.7
3464.3
3231.6
3177.9
3034.8
2784.2
2381.6
2052.0
1940.2
1849.2
1801.5
1697.1
1576.3
1430.1
1281.0
1134.9
984.2
778.5
580.1
416.1
214.7
85.0
0.0

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