

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: P849333

Luminaire Tested: **GLAN-SB6B-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849333  
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-SB6B-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26988 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

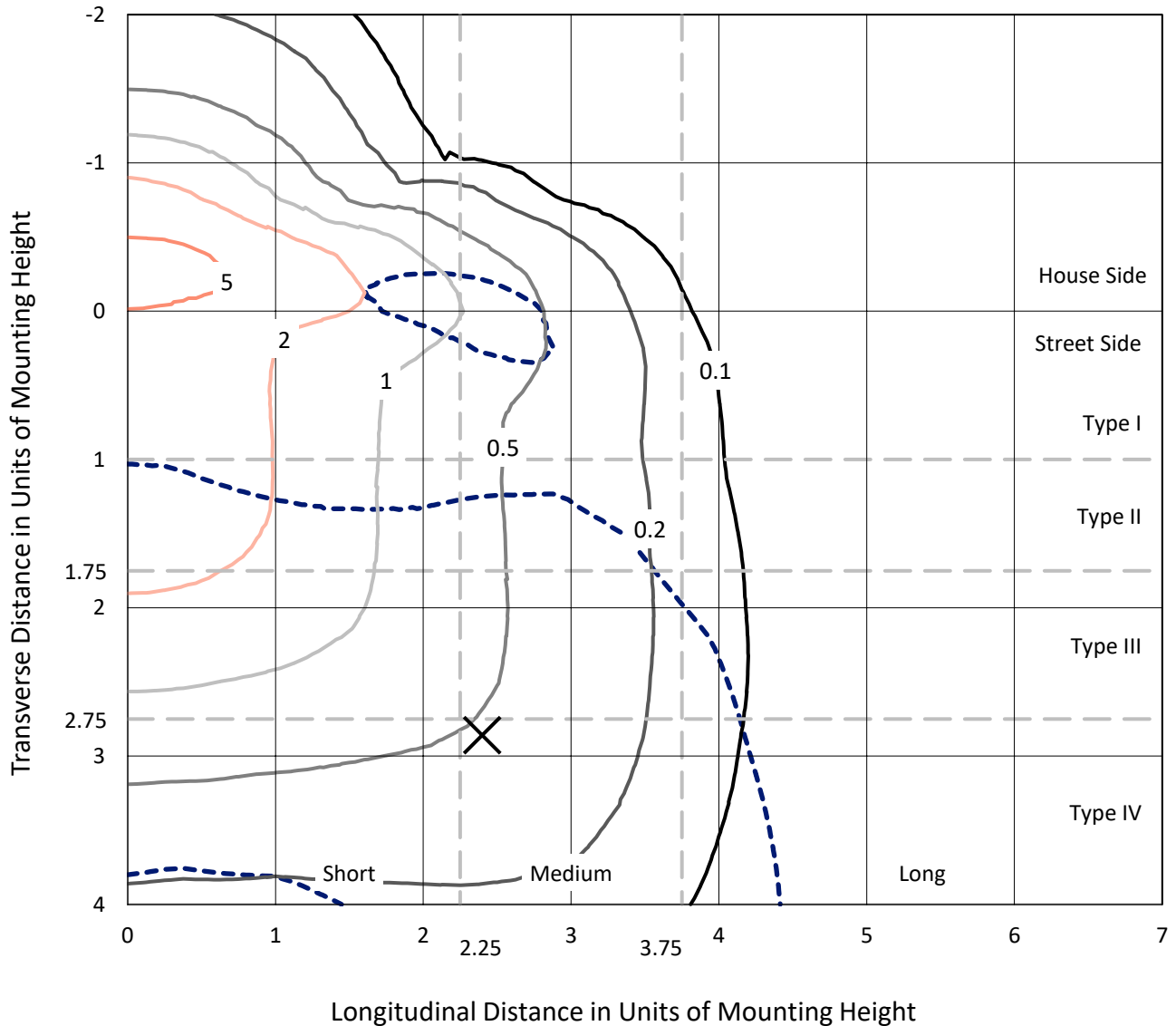
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

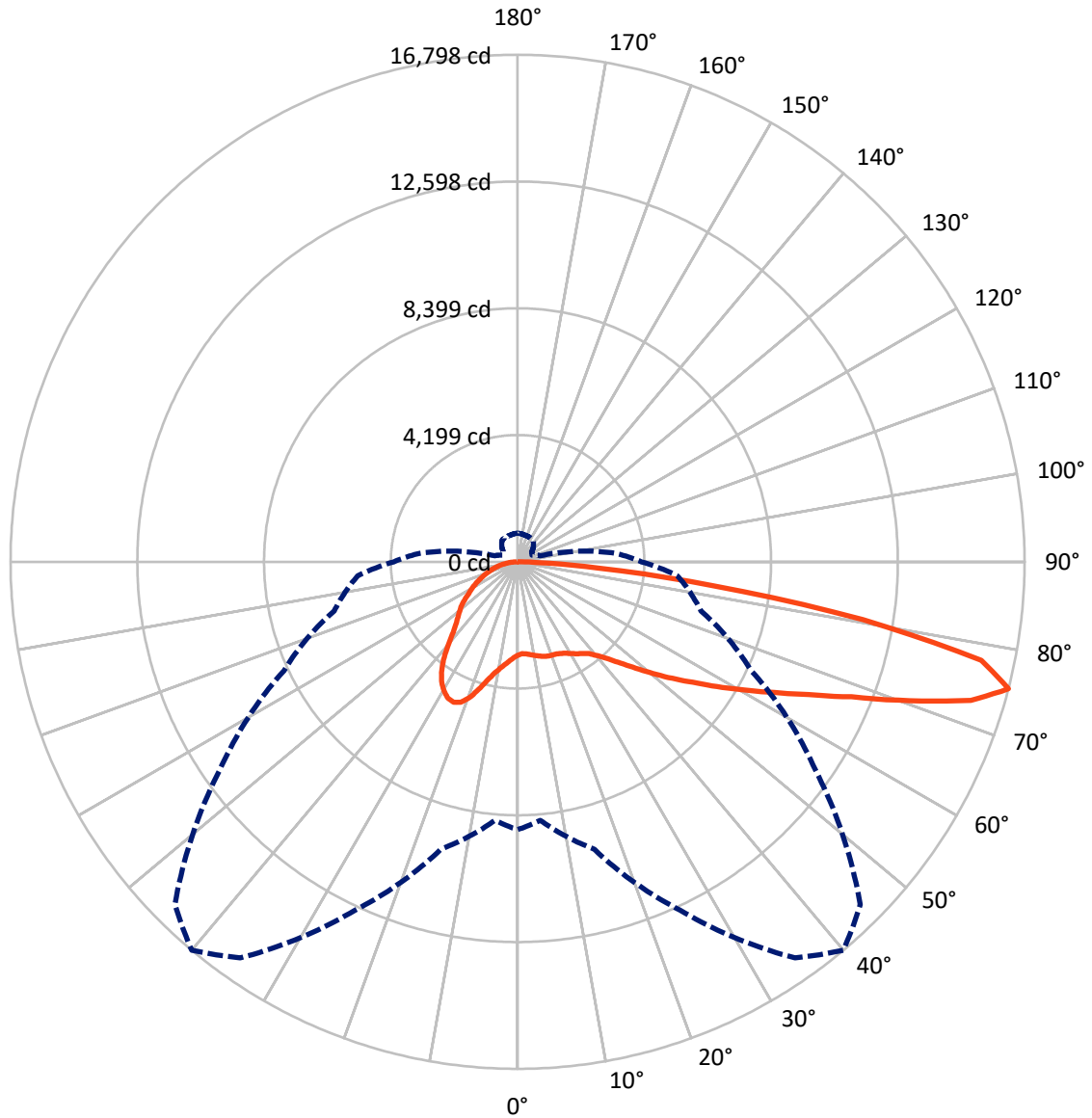
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	8361.8	0.0	8361.8
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	18626.2	0.0	18626.2
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	26988.0	0.0	26988.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.1	1.1
10°-20°	1034.3	3.8
20°-30°	1888.5	7.0
30°-40°	2678.4	9.9
40°-50°	3616.7	13.4
50°-60°	4865.4	18.0
60°-70°	6175.3	22.9
70°-80°	5604.5	20.8
80°-90°	817.0	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°	26988.0	100.0
0°-180°	26988.0	100.0

**Coefficient of Utilization**

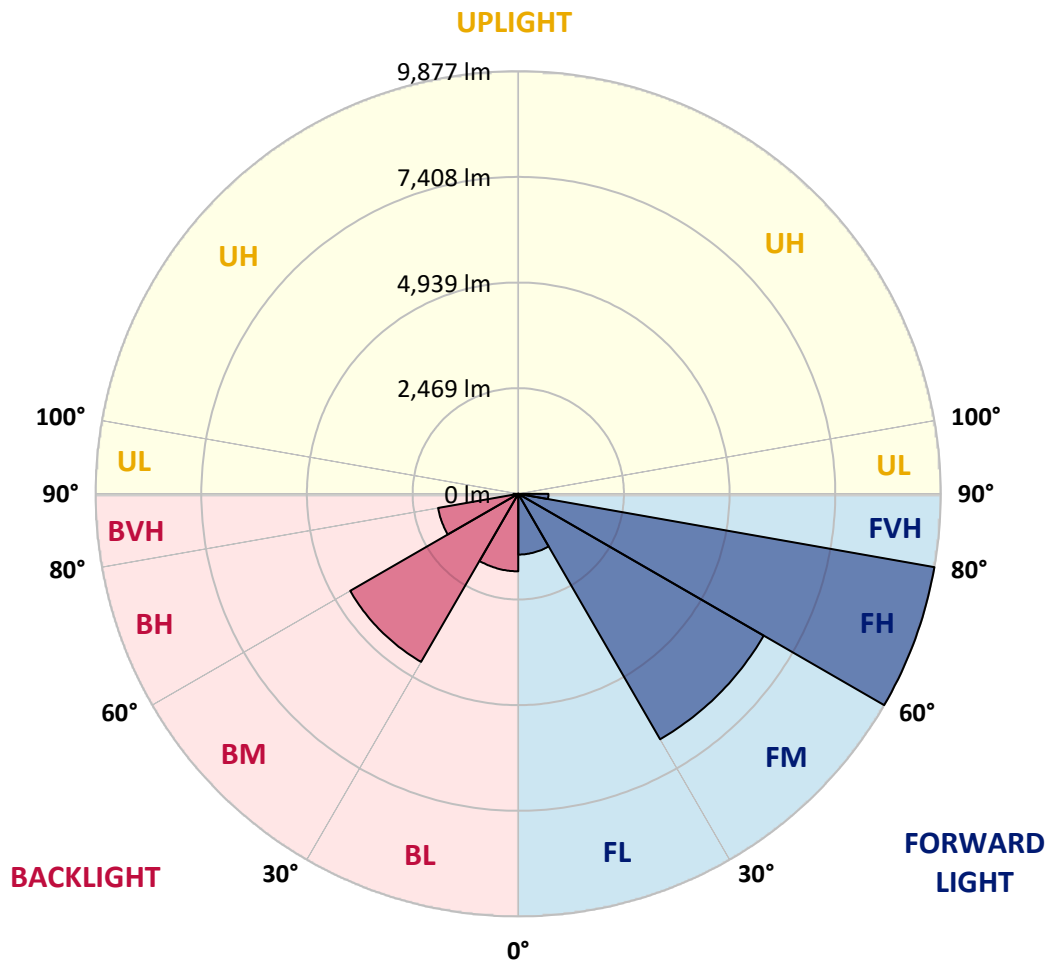


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1419.6	5.3			
FM (30°-60°)	6625.0	24.5			
FH (60°-80°)	9877.2	36.6			G4/12000
FVH (80°-90°)	704.5	2.6			G4/750
BL (0°-30°)	1811.2	6.7	B3/2500		
BM (30°-60°)	4535.5	16.8	B3/5000		
BH (60°-80°)	1902.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	112.5	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°	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1
2.5°	3038.9	3056.1	3051.8	3046.0	3046.0	3047.5	3046.0	3056.1	3066.1	3076.1
5°	3070.4	3087.5	3079.0	3071.8	3066.1	3064.6	3060.3	3058.9	3064.6	3077.5
7.5°	3131.9	3149.1	3136.2	3123.3	3111.9	3106.2	3100.4	3091.8	3087.5	3094.7
10°	3200.6	3217.8	3202.1	3179.2	3160.5	3153.4	3147.7	3139.1	3133.4	3137.6
12.5°	3269.3	3286.5	3265.0	3233.5	3209.2	3204.9	3197.8	3194.9	3193.5	3192.0
15°	3333.7	3348.1	3320.9	3283.6	3257.9	3250.7	3243.6	3247.9	3255.0	3263.6
17.5°	3383.8	3398.2	3358.1	3309.4	3285.1	3282.2	3277.9	3292.2	3312.3	3333.7
20°	3429.7	3444.0	3392.4	3326.6	3298.0	3298.0	3299.4	3329.5	3358.1	3389.6
22.5°	3494.1	3505.5	3442.5	3352.4	3310.8	3313.7	3325.2	3355.2	3391.0	3433.9
25°	3590.0	3598.6	3521.3	3401.0	3353.8	3362.4	3372.4	3386.7	3421.1	3471.2
27.5°	3744.6	3751.7	3650.1	3486.9	3415.3	3429.7	3444.0	3433.9	3449.7	3492.6
30°	3962.1	3966.4	3837.6	3621.5	3519.8	3527.0	3529.8	3488.3	3458.3	3492.6
32.5°	4219.8	4218.4	4065.2	3784.6	3638.6	3631.5	3607.1	3525.6	3455.4	3485.5
35°	4619.2	4603.4	4405.9	4013.7	3773.2	3728.8	3671.6	3567.1	3469.7	3478.3
37.5°	5280.5	5231.8	4958.4	4388.7	3973.6	3860.5	3776.1	3634.3	3501.2	3475.5
40°	6026.2	5964.7	5664.1	4902.6	4274.2	4092.4	3956.4	3730.2	3552.8	3488.3
42.5°	6910.8	6823.5	6500.0	5508.1	4654.9	4391.6	4186.9	3851.9	3628.6	3529.8
45°	7997.3	7881.3	7423.3	6190.8	5134.5	4783.8	4510.4	4036.6	3744.6	3610.0
47.5°	9095.2	9123.8	8472.5	6972.4	5709.9	5267.6	4915.5	4314.3	3913.5	3738.8
50°	10261.8	10281.8	9516.0	7838.4	6362.6	5814.4	5370.6	4624.9	4148.2	3922.1
52.5°	11172.1	11175.0	10463.6	8744.5	7042.5	6415.6	5861.6	4979.9	4420.2	4165.4
55°	11741.8	11734.7	11127.8	9601.9	7824.1	7046.8	6405.5	5383.5	4752.3	4451.7
57.5°	12155.5	12134.0	11585.8	10339.1	8657.2	7792.6	7021.1	5841.6	5144.5	4792.4
60°	12313.0	12300.1	11896.4	10976.0	9533.2	8617.1	7731.0	6354.0	5589.6	5194.6
62.5°	12373.1	12397.4	12201.3	11593.0	10470.7	9530.3	8511.1	6966.7	6090.6	5649.8
65°	12584.9	12629.3	12589.2	12400.3	11530.0	10599.6	9546.1	7695.2	6637.4	6137.9
67.5°	13004.3	13048.7	13065.9	13366.5	12824.0	11932.2	10837.2	8602.8	7277.3	6644.6
70°	12994.3	12981.4	13284.9	14135.1	14444.3	13777.3	12577.8	9719.3	8040.2	7065.4
72.5°	11827.7	11724.7	12441.8	14126.6	15792.7	15704.0	14703.4	11159.2	8698.7	7117.0
75°	8873.3	8598.5	9865.3	12730.9	16017.4	16797.6	16054.7	12052.4	8542.6	6288.2
77.5°	3794.7	3518.4	5011.4	9424.4	14335.5	15702.5	14815.1	10515.1	6819.2	4158.2
80°	993.4	992.0	1514.4	4272.8	9749.3	11595.8	10173.0	6790.6	3896.3	1485.8
82.5°	410.8	400.8	556.8	1661.9	4763.7	6507.2	5310.5	3028.9	1407.1	402.2
85°	153.2	151.7	270.5	574.0	1680.5	2683.9	1942.4	774.4	350.7	196.1
87.5°	42.9	41.5	58.7	199.0	409.4	621.2	332.1	127.4	98.8	77.3
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°
3086.1	0°	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1	3086.1
3091.8	2.5°	3096.1	3103.3	3116.2	3126.2	3139.1	3153.4	3173.4	3186.3	3199.2	3207.8
3099.0	5°	3109.0	3124.8	3157.7	3190.6	3229.3	3265.0	3306.6	3336.6	3360.9	3368.1
3124.8	7.5°	3137.6	3163.4	3219.2	3275.1	3336.6	3395.3	3455.4	3506.9	3548.5	3564.2
3170.6	10°	3187.7	3222.1	3300.8	3379.6	3461.1	3551.3	3628.6	3703.1	3761.7	3786.1
3225.0	12.5°	3250.7	3293.7	3396.7	3505.5	3618.6	3743.1	3843.3	3934.9	4007.9	4040.9
3300.8	15°	3332.3	3388.1	3519.8	3665.8	3831.9	4005.1	4132.5	4234.1	4315.7	4355.8
3379.6	17.5°	3421.1	3495.5	3661.5	3882.0	4119.6	4347.2	4496.0	4570.5	4654.9	4693.6
3452.6	20°	3506.9	3598.6	3836.2	4156.8	4473.1	4715.1	4835.3	4855.3	4861.1	4865.4
3521.3	22.5°	3595.7	3718.8	4055.2	4503.2	4842.5	5009.9	5027.1	4941.2	4821.0	4765.2
3588.5	25°	3693.0	3856.2	4341.5	4885.4	5160.2	5180.3	5048.6	4839.6	4612.0	4507.5
3642.9	27.5°	3787.5	4015.1	4685.0	5250.4	5389.2	5213.2	4929.8	4633.5	4358.6	4248.4
3681.6	30°	3882.0	4196.9	5064.3	5569.6	5493.7	5131.6	4742.3	4411.6	4135.3	4019.4
3715.9	32.5°	3977.9	4408.7	5500.9	5800.1	5475.1	4958.4	4508.9	4162.5	3919.2	3797.5
3746.0	35°	4086.7	4669.3	5914.6	5926.0	5350.6	4703.6	4201.2	3864.8	3653.0	3555.6
3781.8	37.5°	4228.4	4999.9	6279.6	5957.5	5133.0	4330.0	3819.0	3512.7	3338.0	3293.7
3834.7	40°	4404.4	5397.8	6558.7	5907.4	4811.0	3876.3	3401.0	3156.3	3057.5	3067.5
3906.3	42.5°	4633.5	5843.0	6754.8	5778.6	4362.9	3408.2	3034.6	2925.8	2973.0	3013.1
4013.7	45°	4931.2	6305.3	6876.5	5559.6	3856.2	3011.7	2818.4	2844.2	2880.0	2884.3
4186.9	47.5°	5312.0	6773.4	6956.6	5228.9	3339.5	2732.6	2681.0	2686.8	2679.6	2649.5
4446.0	50°	5787.2	7228.6	7028.2	4790.9	2900.0	2557.9	2489.2	2469.2	2370.4	2273.1
4790.9	52.5°	6328.3	7646.6	7058.3	4247.0	2557.9	2411.9	2300.3	2174.3	1989.7	1959.6
5224.6	55°	6929.4	8033.1	6981.0	3578.5	2270.2	2224.4	2055.5	1903.8	1883.7	1858.0
5795.8	57.5°	7648.0	8449.6	6823.5	2832.8	1975.3	2005.4	1840.8	1858.0	1822.2	1782.1
6530.1	60°	8433.9	8880.4	6547.3	2152.8	1670.5	1732.0	1785.0	1783.5	1773.5	1740.6
7304.5	62.5°	9141.0	9163.9	6003.3	1649.0	1402.8	1520.2	1664.7	1663.3	1654.7	1636.1
8113.2	65°	9561.8	9120.9	5095.8	1298.3	1182.3	1345.5	1501.5	1513.0	1514.4	1513.0
8721.6	67.5°	9487.4	8618.5	3850.5	1033.5	1000.6	1168.0	1339.8	1355.5	1367.0	1369.9
8798.9	70°	8645.7	7514.9	2510.7	824.5	838.8	1012.0	1186.6	1202.4	1212.4	1223.9
7635.1	72.5°	6739.1	5525.2	1437.1	667.0	697.1	877.5	1034.9	1053.5	1059.2	1080.7
5313.4	75°	4106.7	3249.3	775.8	525.3	572.6	750.1	884.6	906.1	916.1	941.9
2609.5	77.5°	1952.4	1407.1	442.3	409.4	460.9	612.6	747.2	771.5	744.3	758.6
720.0	80°	659.9	522.5	279.1	312.0	352.1	478.1	598.3	622.7	565.4	562.5
239.0	82.5°	230.5	211.8	177.5	207.6	227.6	342.1	452.3	483.8	420.8	419.4
107.4	85°	90.2	85.9	98.8	113.1	136.0	210.4	297.7	313.5	259.1	209.0
31.5	87.5°	18.6	20.0	24.3	25.8	41.5	73.0	107.4	131.7	104.5	88.7
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°
3086.1
3202.1
3371.0
3565.6
3787.5
4040.9
4352.9
4692.2
4876.8
4780.9
4523.2
4261.3
4032.3
3813.3
3577.1
3325.2
3101.9
3050.3
2912.9
2672.4
2286.0
1969.6
1862.3
1774.9
1729.1
1628.9
1513.0
1372.7
1229.6
1089.3
944.7
747.2
556.8
399.4
206.1
81.6
0.0

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