

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: P848313

Luminaire Tested: **GLAN-SB4D-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848313  
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-SB4D-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32233 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

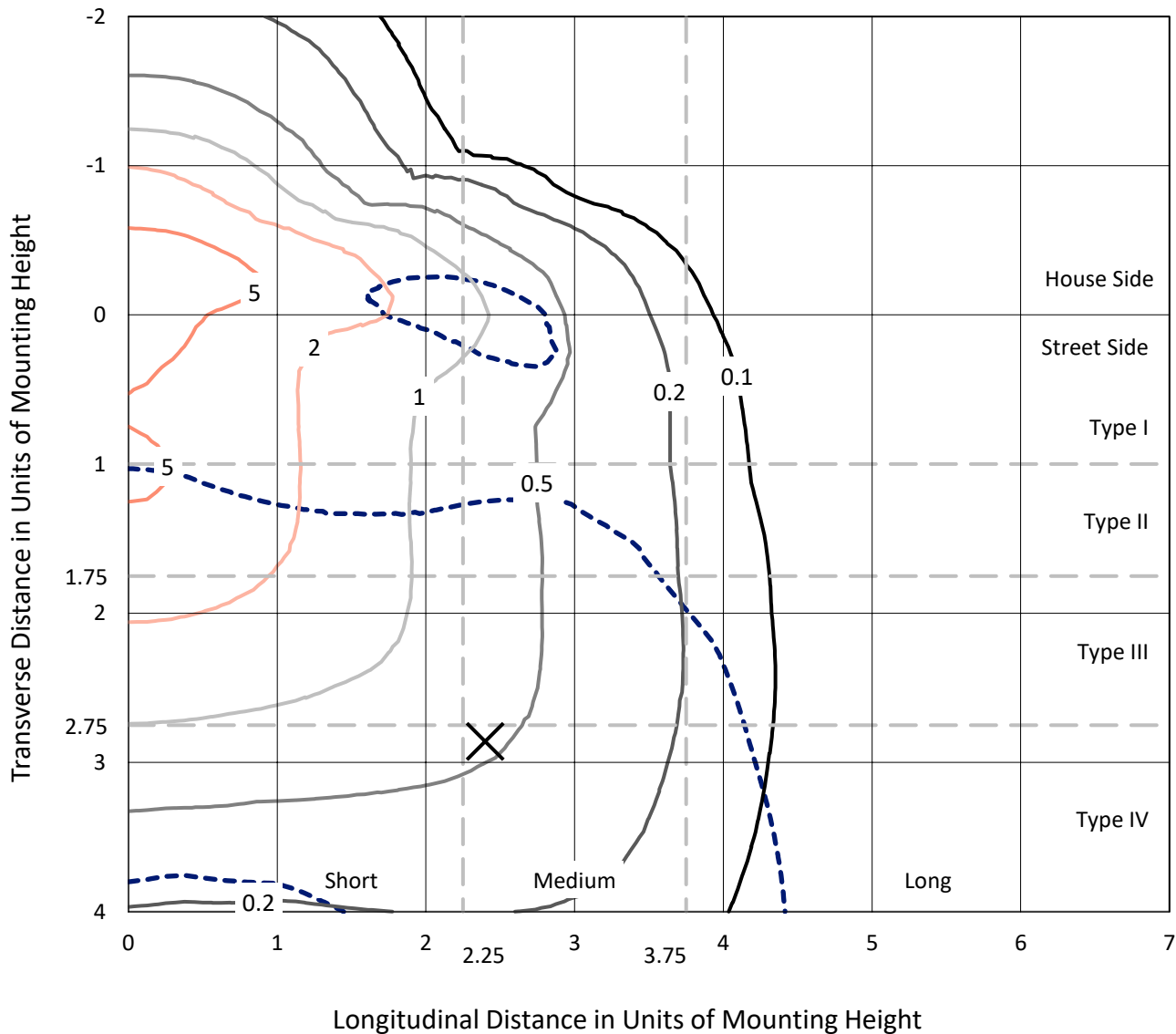
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

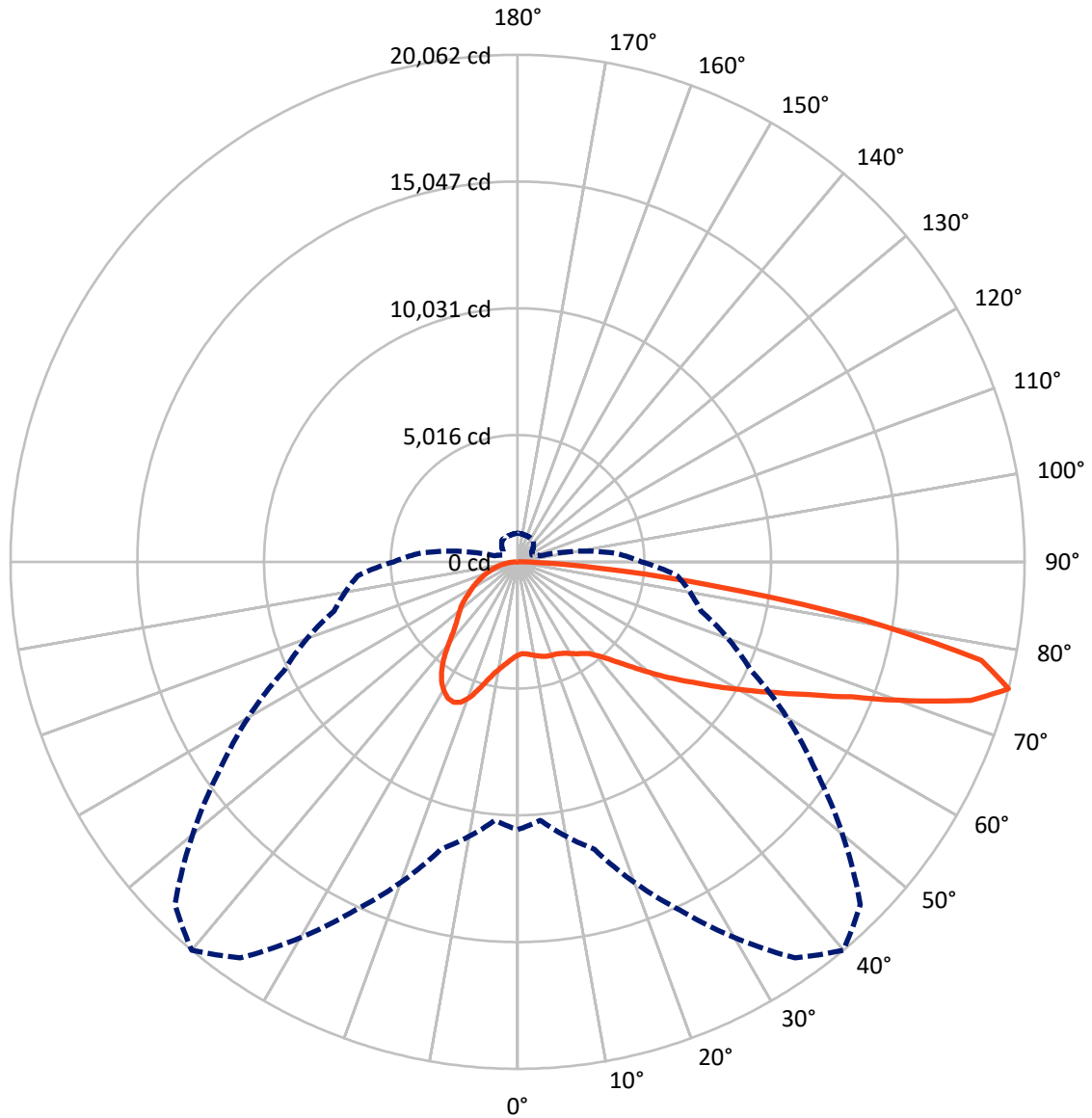
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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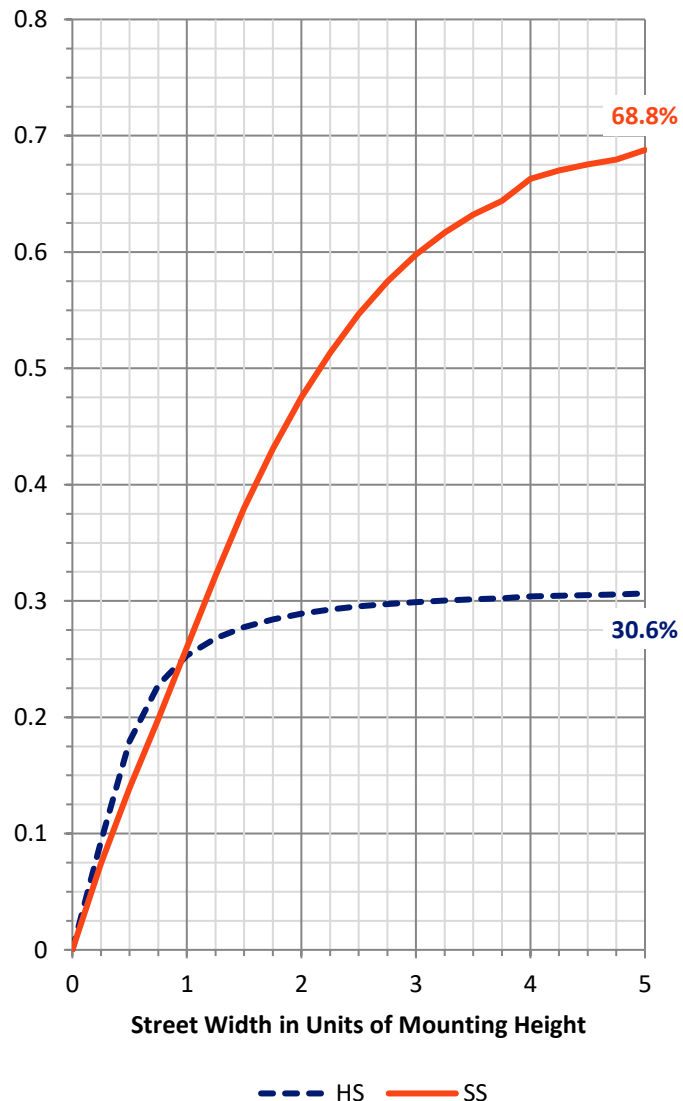
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9986.9	0.0	9986.9
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	22246.1	0.0	22246.1
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	32233.0	0.0	32233.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.9	1.1
10°-20°	1235.3	3.8
20°-30°	2255.5	7.0
30°-40°	3199.0	9.9
40°-50°	4319.5	13.4
50°-60°	5810.9	18.0
60°-70°	7375.4	22.9
70°-80°	6693.7	20.8
80°-90°	975.7	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°	32233.0	100.0
0°-180°	32233.0	100.0

**Coefficient of Utilization**

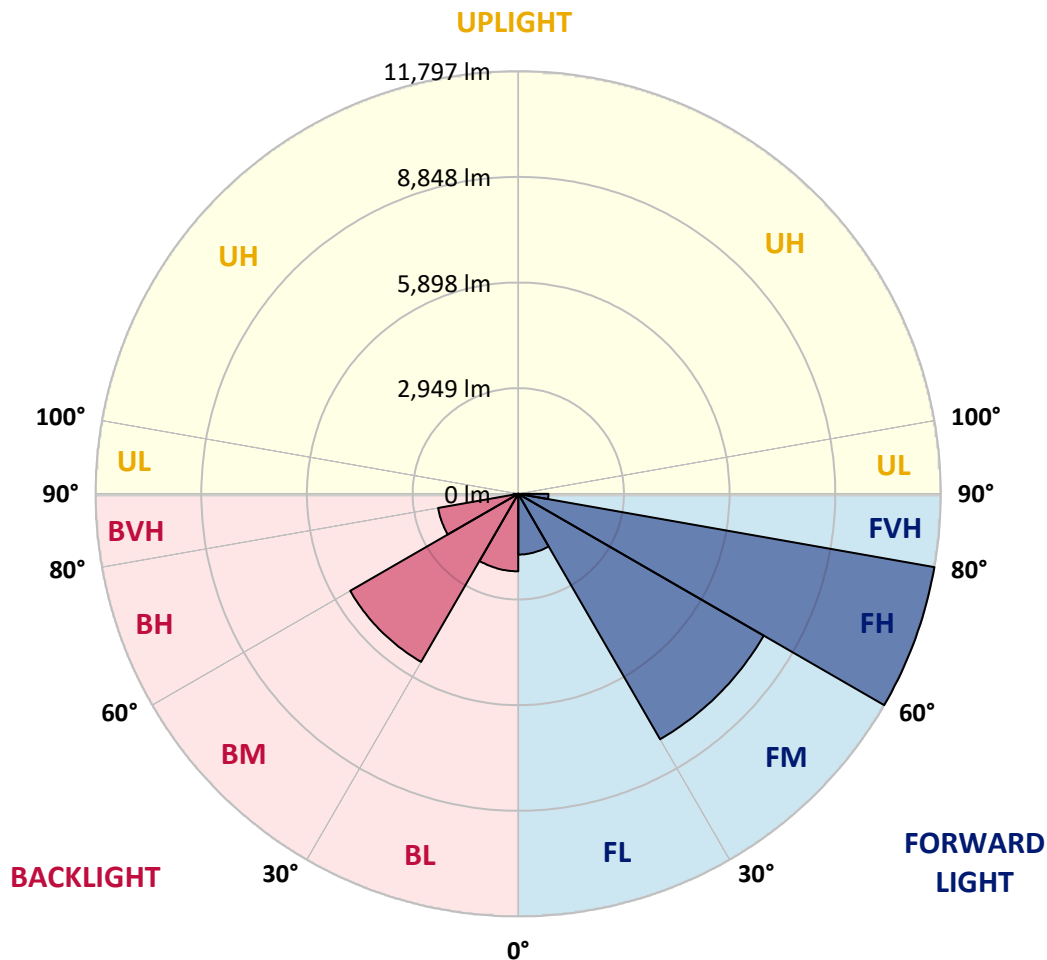


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1695.5	5.3			
FM (30°-60°)	7912.5	24.5			
FH (60°-80°)	11796.8	36.6			G4/12000
FVH (80°-90°)	841.4	2.6			G5
BL (0°-30°)	2163.2	6.7	B3/2500		
BM (30°-60°)	5417.0	16.8	B4/8500		
BH (60°-80°)	2272.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	134.3	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°	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9
2.5°	3629.5	3650.0	3644.9	3638.0	3638.0	3639.7	3638.0	3650.0	3662.0	3673.9
5°	3667.1	3687.6	3677.3	3668.8	3662.0	3660.2	3655.1	3653.4	3660.2	3675.6
7.5°	3740.6	3761.1	3745.7	3730.3	3716.7	3709.8	3703.0	3692.7	3687.6	3696.1
10°	3822.7	3843.2	3824.4	3797.0	3774.8	3766.2	3759.4	3749.1	3742.3	3747.4
12.5°	3904.7	3925.2	3899.6	3862.0	3832.9	3827.8	3819.2	3815.8	3814.1	3812.4
15°	3981.6	3998.7	3966.3	3921.8	3891.0	3882.5	3873.9	3879.1	3887.6	3897.9
17.5°	4041.5	4058.6	4010.7	3952.6	3923.5	3920.1	3915.0	3932.1	3956.0	3981.6
20°	4096.2	4113.3	4051.7	3973.1	3938.9	3938.9	3940.6	3976.5	4010.7	4048.3
22.5°	4173.1	4186.8	4111.6	4003.9	3954.3	3957.7	3971.4	4007.3	4050.0	4101.3
25°	4287.7	4297.9	4205.6	4062.0	4005.6	4015.8	4027.8	4044.9	4085.9	4145.8
27.5°	4472.3	4480.8	4359.5	4164.6	4079.1	4096.2	4113.3	4101.3	4120.1	4171.4
30°	4732.2	4737.3	4583.4	4325.3	4203.9	4212.4	4215.9	4166.3	4130.4	4171.4
32.5°	5039.9	5038.2	4855.2	4520.2	4345.8	4337.2	4308.2	4210.7	4127.0	4162.9
35°	5516.9	5498.1	5262.1	4793.7	4506.5	4453.5	4385.1	4260.3	4144.1	4154.3
37.5°	6306.7	6248.6	5922.0	5241.6	4745.8	4610.8	4509.9	4340.7	4181.7	4150.9
40°	7197.4	7123.9	6764.9	5855.4	5104.9	4887.7	4725.3	4455.2	4243.2	4166.3
42.5°	8253.9	8149.6	7763.3	6578.5	5559.6	5245.0	5000.6	4600.5	4333.8	4215.9
45°	9551.5	9413.0	8866.0	7394.0	6132.3	5713.5	5386.9	4821.1	4472.3	4311.6
47.5°	10862.8	10897.0	10119.1	8327.4	6819.6	6291.3	5870.7	5152.7	4674.0	4465.5
50°	12256.1	12280.0	11365.4	9361.7	7599.1	6944.4	6414.4	5523.7	4954.4	4684.3
52.5°	13343.4	13346.8	12497.1	10443.9	8411.2	7662.4	7000.8	5947.7	5279.2	4974.9
55°	14023.8	14015.3	13290.4	11468.0	9344.6	8416.3	7650.4	6429.8	5675.9	5316.8
57.5°	14517.9	14492.2	13837.5	12348.4	10339.6	9307.0	8385.6	6976.9	6144.3	5723.7
60°	14705.9	14690.5	14208.4	13109.2	11385.9	10291.8	9233.5	7588.9	6676.0	6204.1
62.5°	14777.7	14806.8	14572.6	13846.0	12505.7	11382.5	10165.3	8320.6	7274.3	6747.8
65°	15030.8	15083.8	15035.9	14810.2	13770.8	12659.5	11401.3	9190.8	7927.4	7330.7
67.5°	15531.7	15584.7	15605.2	15964.2	15316.3	14251.2	12943.3	10274.7	8691.6	7935.9
70°	15519.7	15504.3	15866.7	16882.2	17251.5	16454.9	15022.2	11608.1	9602.8	8438.6
72.5°	14126.4	14003.3	14859.8	16872.0	18862.0	18756.0	17561.0	13328.0	10389.2	8500.1
75°	10597.8	10269.5	11782.5	15205.1	19130.4	20062.1	19174.8	14394.8	10202.9	7510.3
77.5°	4532.1	4202.2	5985.3	11256.0	17121.6	18754.3	17694.3	12558.7	8144.5	4966.4
80°	1186.5	1184.7	1808.8	5103.1	11644.1	13849.4	12150.1	8110.3	4653.5	1774.6
82.5°	490.7	478.7	665.0	1984.8	5689.5	7771.8	6342.6	3617.5	1680.5	480.4
85°	182.9	181.2	323.1	685.5	2007.1	3205.5	2319.9	924.9	418.9	234.2
87.5°	51.3	49.6	70.1	237.6	488.9	742.0	396.6	152.2	118.0	92.3
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°
3685.9	0°	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9	3685.9
3692.7	2.5°	3697.9	3706.4	3721.8	3733.8	3749.1	3766.2	3790.2	3805.6	3820.9	3831.2
3701.3	5°	3713.2	3732.0	3771.4	3810.7	3856.8	3899.6	3949.2	3985.1	4014.1	4022.7
3732.0	7.5°	3747.4	3778.2	3844.9	3911.6	3985.1	4055.2	4127.0	4188.5	4238.1	4256.9
3786.8	10°	3807.3	3848.3	3942.3	4036.4	4133.8	4241.5	4333.8	4422.7	4492.8	4521.9
3851.7	12.5°	3882.5	3933.8	4056.9	4186.8	4321.9	4470.6	4590.3	4699.7	4786.9	4826.2
3942.3	15°	3979.9	4046.6	4203.9	4378.3	4576.6	4783.4	4935.6	5057.0	5154.4	5202.3
4036.4	17.5°	4085.9	4174.8	4373.1	4636.4	4920.2	5192.0	5369.8	5458.7	5559.6	5605.8
4123.5	20°	4188.5	4297.9	4581.7	4964.7	5342.5	5631.4	5775.0	5798.9	5805.8	5810.9
4205.6	22.5°	4294.5	4441.5	4843.3	5378.4	5783.6	5983.6	6004.1	5901.5	5757.9	5691.2
4286.0	25°	4410.8	4605.6	5185.2	5834.8	6163.1	6187.0	6029.7	5780.1	5508.3	5383.5
4350.9	27.5°	4523.6	4795.4	5595.5	6270.8	6436.6	6226.3	5887.8	5534.0	5205.7	5074.1
4397.1	30°	4636.4	5012.5	6048.5	6652.0	6561.4	6128.9	5663.9	5269.0	4939.0	4800.5
4438.1	32.5°	4751.0	5265.6	6570.0	6927.3	6539.2	5922.0	5385.2	4971.5	4680.9	4535.6
4474.0	35°	4880.9	5576.7	7064.0	7077.7	6390.5	5617.7	5017.7	4615.9	4362.9	4246.6
4516.7	37.5°	5050.1	5971.6	7500.0	7115.3	6130.6	5171.5	4561.2	4195.3	3986.8	3933.8
4580.0	40°	5260.4	6446.9	7833.4	7055.5	5745.9	4629.6	4062.0	3769.7	3651.7	3663.7
4665.5	42.5°	5534.0	6978.6	8067.6	6901.6	5210.8	4070.5	3624.3	3494.4	3550.8	3598.7
4793.7	45°	5889.6	7530.8	8212.9	6640.1	4605.6	3597.0	3366.2	3397.0	3439.7	3444.8
5000.6	47.5°	6344.3	8089.8	8308.6	6245.1	3988.5	3263.6	3202.1	3208.9	3200.4	3164.5
5310.0	50°	6911.9	8633.5	8394.1	5722.0	3463.6	3055.0	2973.0	2949.1	2831.1	2714.8
5722.0	52.5°	7558.1	9132.7	8430.0	5072.4	3055.0	2880.7	2747.3	2596.9	2376.3	2340.4
6240.0	55°	8276.1	9594.2	8337.7	4274.0	2711.4	2656.7	2455.0	2273.8	2249.8	2219.1
6922.1	57.5°	9134.4	10091.7	8149.6	3383.3	2359.2	2395.1	2198.5	2219.1	2176.3	2128.4
7799.2	60°	10072.9	10606.3	7819.7	2571.2	1995.1	2068.6	2131.9	2130.2	2118.2	2078.9
8724.1	62.5°	10917.5	10944.8	7170.0	1969.5	1675.4	1815.6	1988.3	1986.5	1976.3	1954.1
9690.0	65°	11420.1	10893.5	6086.2	1550.6	1412.1	1607.0	1793.4	1807.0	1808.8	1807.0
10416.6	67.5°	11331.2	10293.5	4598.8	1234.3	1195.0	1395.0	1600.2	1619.0	1632.7	1636.1
10508.9	70°	10326.0	8975.4	2998.6	984.7	1001.8	1208.7	1417.3	1436.1	1448.0	1461.7
9119.0	72.5°	8048.8	6599.0	1716.4	796.7	832.6	1048.0	1236.0	1258.3	1265.1	1290.7
6346.0	75°	4904.8	3880.8	926.6	627.4	683.8	895.8	1056.5	1082.2	1094.1	1124.9
3116.6	77.5°	2331.9	1680.5	528.3	488.9	550.5	731.7	892.4	921.5	889.0	906.1
859.9	80°	788.1	624.0	333.4	372.7	420.6	571.0	714.6	743.7	675.3	671.9
285.5	82.5°	275.2	253.0	212.0	247.9	271.8	408.6	540.2	577.8	502.6	500.9
128.2	85°	107.7	102.6	118.0	135.1	162.4	251.3	355.6	374.4	309.4	249.6
37.6	87.5°	22.2	23.9	29.1	30.8	49.6	87.2	128.2	157.3	124.8	106.0
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°
3685.9
3824.4
4026.1
4258.6
4523.6
4826.2
5198.9
5604.1
5824.6
5710.0
5402.3
5089.5
4815.9
4554.4
4272.3
3971.4
3704.7
3643.1
3479.0
3191.8
2730.2
2352.4
2224.2
2119.9
2065.2
1945.5
1807.0
1639.5
1468.5
1301.0
1128.3
892.4
665.0
477.0
246.2
97.4
0.0

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