

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: P852559

Luminaire Tested: **GLAN-SB4D-722-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31521 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

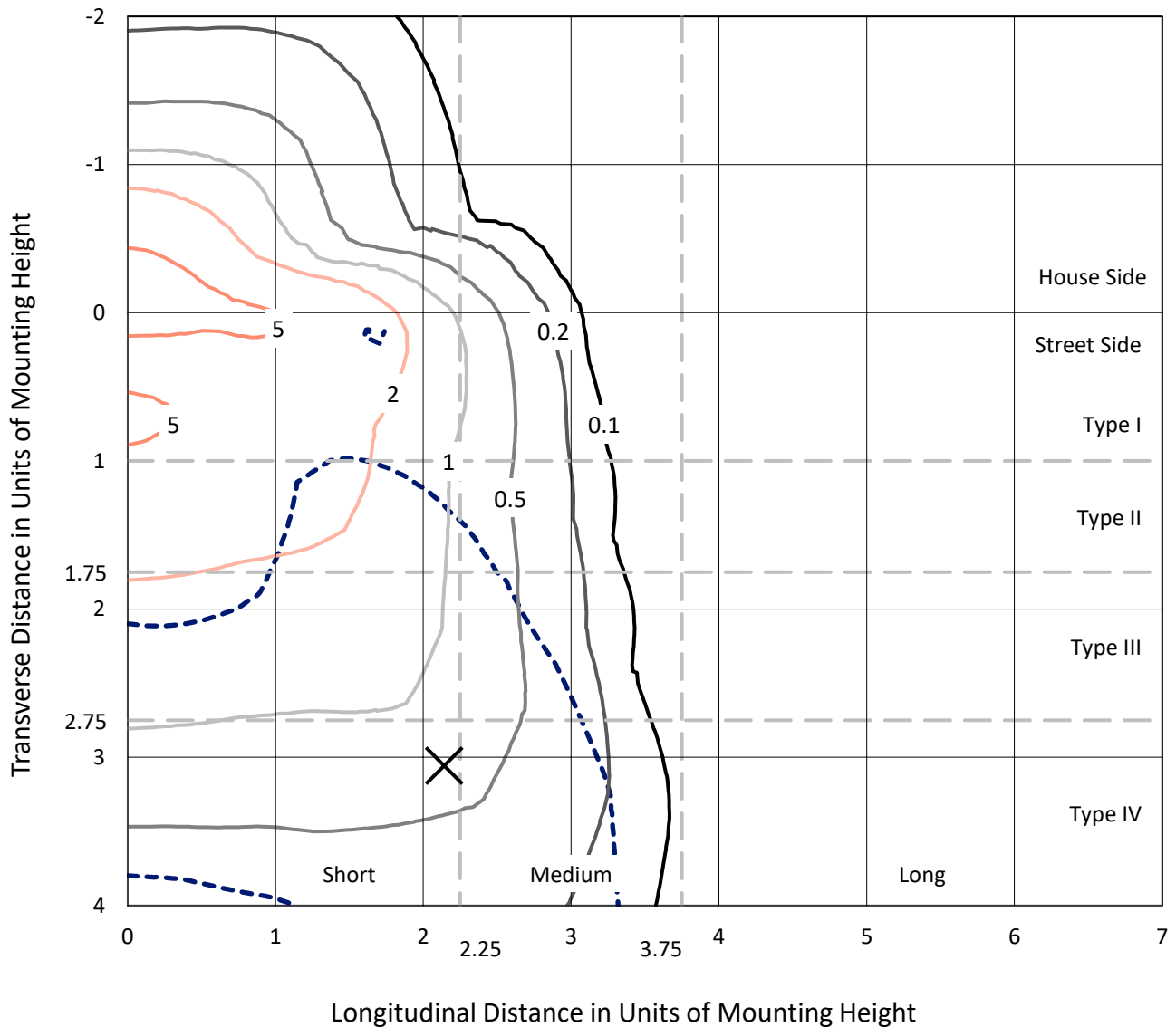
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

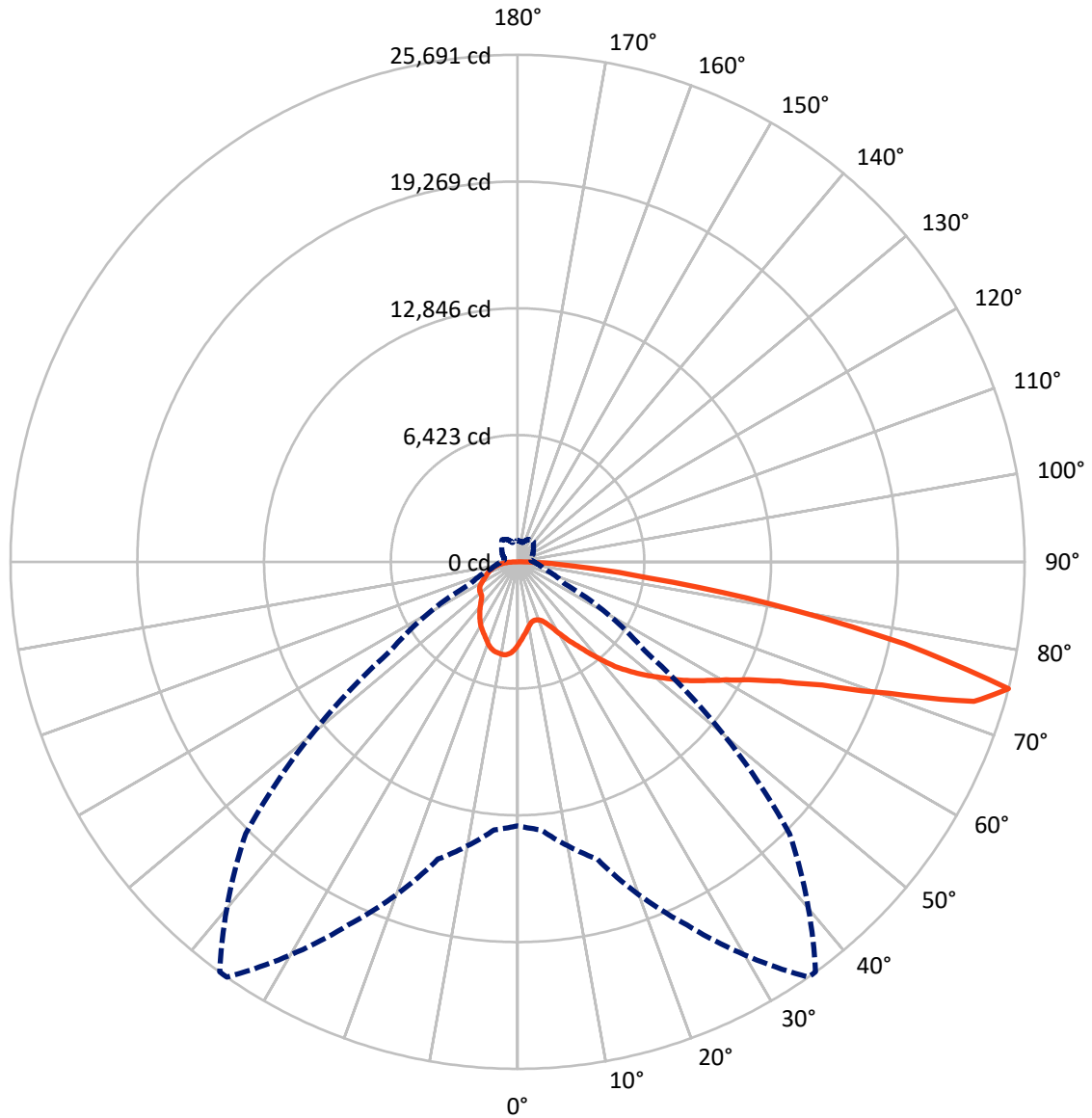
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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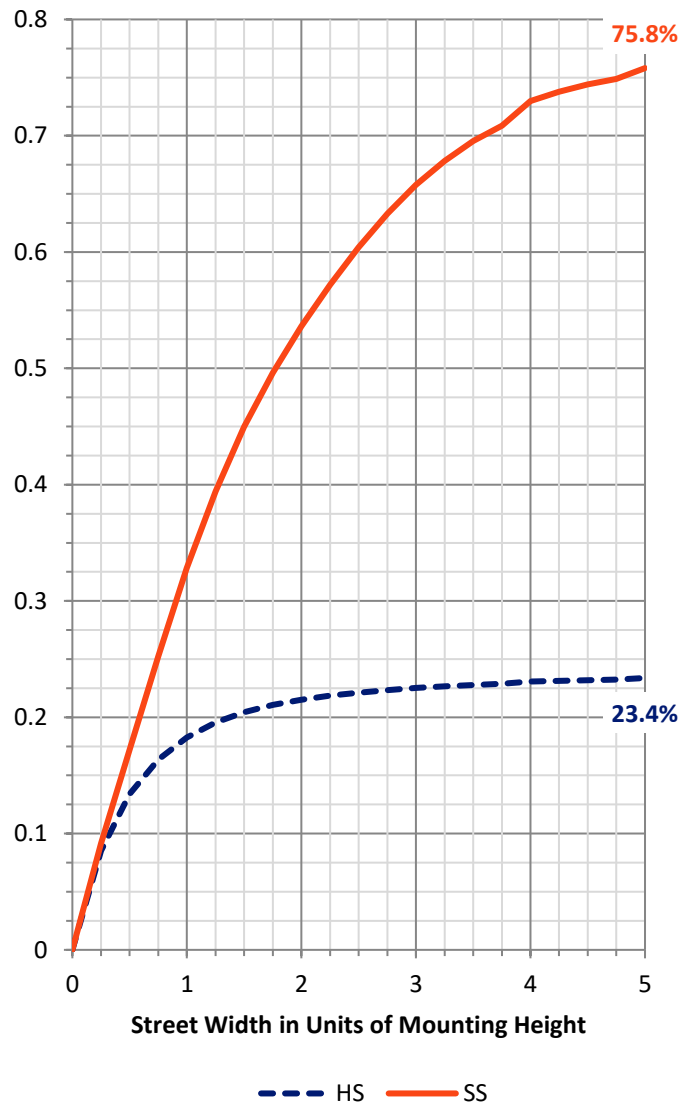
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7501.2	0.0	7501.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	24019.8	0.0	24019.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	31521.0	0.0	31521.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.7	1.3
10°-20°	1147.1	3.6
20°-30°	1926.3	6.1
30°-40°	2993.8	9.5
40°-50°	4443.5	14.1
50°-60°	6134.6	19.5
60°-70°	7442.6	23.6
70°-80°	6150.8	19.5
80°-90°	884.7	2.8
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°	31521.0	100.0
0°-180°	31521.0	100.0

**Coefficient of Utilization**

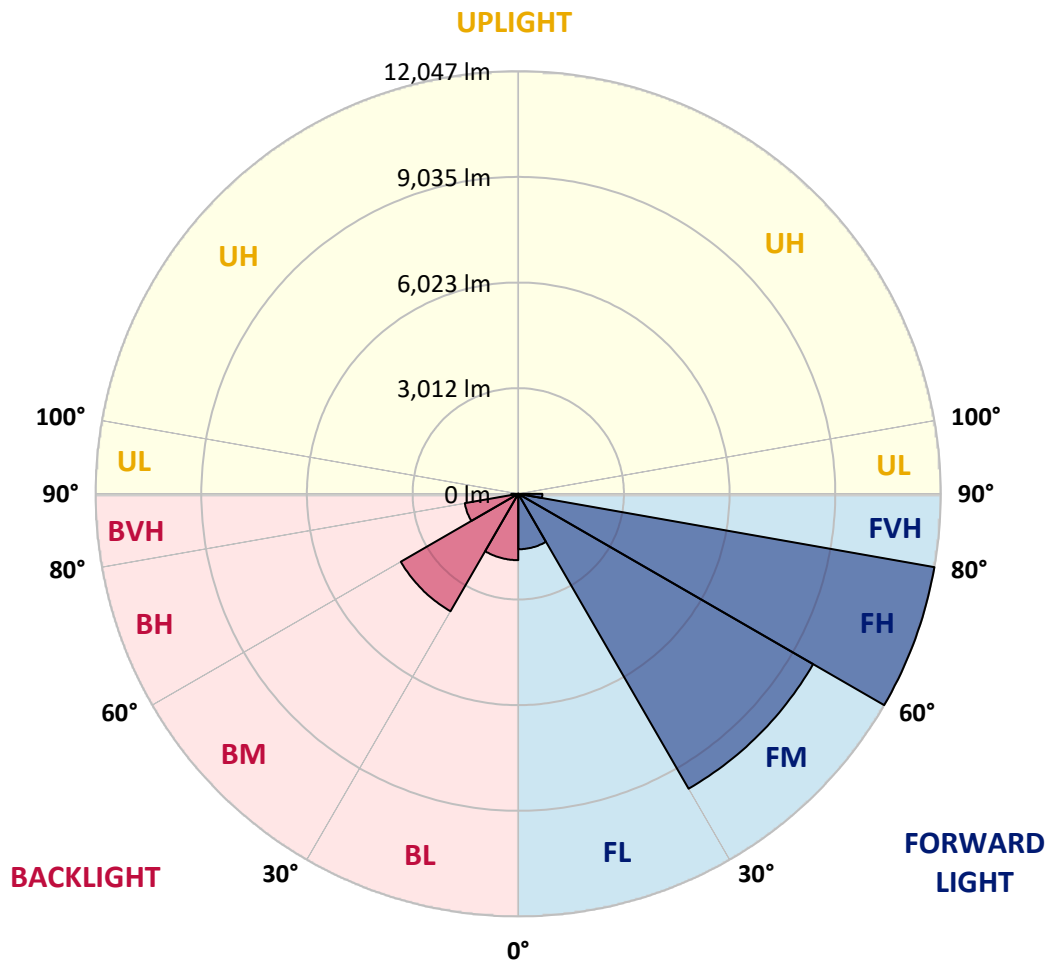


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1580.7	5.0			
FM (30°-60°)	9706.8	30.8			
FH (60°-80°)	12046.9	38.2			G5
FVH (80°-90°)	685.5	2.2			G4/750
BL (0°-30°)	1890.4	6.0	B3/2500		
BM (30°-60°)	3865.1	12.3	B3/5000		
BH (60°-80°)	1546.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	199.2	0.6			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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4
2.5°	3873.2	3897.1	3907.3	3902.2	3927.7	3924.3	3960.1	4004.4	4065.8	4125.4
5°	3575.0	3600.6	3622.7	3643.2	3692.6	3707.9	3764.2	3849.4	3961.8	4076.0
7.5°	3297.3	3319.4	3353.5	3391.0	3474.5	3489.8	3583.5	3716.4	3873.2	4040.2
10°	3070.6	3092.8	3128.6	3171.2	3275.1	3293.9	3413.1	3590.4	3794.8	4006.1
12.5°	2973.5	2980.3	3000.8	3043.4	3133.7	3145.6	3276.8	3479.6	3718.2	3980.6
15°	2968.4	2982.0	2983.7	3005.9	3080.9	3086.0	3206.9	3408.0	3670.4	3975.5
17.5°	3019.5	3029.7	3014.4	3028.0	3091.1	3099.6	3195.0	3373.9	3655.1	3997.6
20°	3155.8	3164.3	3118.3	3099.6	3145.6	3152.4	3246.1	3396.1	3670.4	4043.6
22.5°	3445.5	3450.6	3338.2	3261.5	3264.9	3268.3	3350.1	3486.4	3730.1	4127.1
25°	3897.1	3893.7	3714.7	3566.5	3481.3	3462.5	3517.1	3633.0	3830.6	4237.9
27.5°	4425.3	4399.8	4220.8	3999.3	3813.6	3786.3	3774.4	3823.8	3973.8	4384.4
30°	5021.7	4997.9	4805.3	4515.6	4258.3	4214.0	4101.6	4076.0	4186.8	4583.8
32.5°	5676.1	5660.7	5430.7	5079.7	4735.4	4684.3	4495.2	4427.0	4513.9	4885.4
35°	6224.8	6211.1	6020.3	5659.0	5238.1	5175.1	4982.5	4905.8	4950.2	5272.2
37.5°	6720.6	6713.8	6550.2	6265.6	5831.1	5754.4	5538.0	5512.5	5504.0	5781.7
40°	7180.7	7163.7	6993.3	6843.3	6521.2	6451.4	6260.5	6238.4	6173.6	6408.8
42.5°	7690.2	7645.9	7398.8	7329.0	7242.0	7184.1	7069.9	7073.3	6930.2	7115.9
45°	8106.0	8080.4	7826.5	7785.6	7879.3	7855.5	7954.3	7979.9	7702.1	7857.2
47.5°	8552.4	8528.6	8313.9	8284.9	8538.8	8545.6	8894.9	8903.5	8455.3	8627.4
50°	9102.8	9068.7	8855.7	8891.5	9176.1	9201.7	9840.7	9782.7	9148.8	9409.5
52.5°	9465.8	9486.2	9440.2	9498.2	9886.7	9910.5	10771.1	10622.8	9835.6	10181.5
55°	9733.3	9774.2	9917.3	10050.3	10636.4	10660.3	11648.6	11422.0	10404.7	10897.1
57.5°	10077.5	10019.6	10287.1	10546.1	11348.7	11411.8	12502.3	12192.2	10909.1	11514.0
60°	10571.7	10530.8	10738.7	11122.1	12146.2	12246.7	13405.5	12885.7	11278.8	12003.1
62.5°	11573.6	11471.4	11503.8	11842.9	13151.6	13284.5	14424.5	13490.7	11462.9	12193.9
65°	13071.5	12896.0	12732.4	12967.5	14567.6	14698.8	15574.7	13966.1	11394.7	11824.1
67.5°	14957.8	14784.0	14582.9	14804.4	16653.3	16757.2	16994.1	14233.6	10858.0	10399.6
70°	16513.6	16448.8	16689.1	17600.7	19984.6	19988.0	18814.0	14012.1	9387.4	7373.3
72.5°	16307.4	16268.2	17534.3	20352.7	24183.3	24093.0	20536.7	12335.3	6323.6	3326.2
75°	13378.2	13632.1	15593.4	20303.3	25691.4	25679.4	19482.0	7841.9	2615.7	1378.5
77.5°	7173.9	7576.0	10123.5	14990.2	20056.2	20357.8	13696.8	2743.5	1122.9	882.7
80°	2339.6	2690.6	4035.1	7632.3	13032.3	12976.0	5870.3	1076.9	768.5	625.4
82.5°	993.4	1034.3	1802.8	3604.0	6688.2	6584.3	1869.3	618.6	540.2	427.7
85°	388.5	434.5	795.8	1666.5	2896.8	2833.8	674.8	306.7	345.9	279.5
87.5°	127.8	155.1	284.6	570.8	901.4	869.0	165.3	105.6	150.0	127.8
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°
4200.4	0°	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4	4200.4
4212.3	2.5°	4236.2	4263.4	4295.8	4343.5	4384.4	4418.5	4454.3	4476.4	4485.0	4510.5
4219.1	5°	4266.8	4326.5	4406.6	4485.0	4561.6	4607.6	4648.5	4669.0	4687.7	4701.4
4237.9	7.5°	4318.0	4394.6	4520.7	4623.0	4687.7	4725.2	4752.5	4745.7	4752.5	4755.9
4258.3	10°	4362.3	4469.6	4619.6	4716.7	4766.1	4767.8	4761.0	4737.1	4725.2	4726.9
4289.0	12.5°	4415.1	4534.4	4696.3	4778.0	4791.7	4754.2	4725.2	4684.3	4669.0	4662.2
4335.0	15°	4486.7	4623.0	4779.8	4810.4	4776.3	4728.6	4679.2	4612.8	4578.7	4551.4
4413.4	17.5°	4573.6	4723.5	4844.5	4822.4	4749.1	4670.7	4590.6	4490.1	4420.2	4391.2
4520.7	20°	4694.5	4829.2	4893.9	4796.8	4686.0	4566.7	4430.4	4307.7	4243.0	4214.0
4657.1	22.5°	4841.1	4970.6	4941.6	4752.5	4595.7	4404.9	4234.5	4144.2	4111.8	4091.3
4832.6	25°	5016.6	5127.4	4975.7	4687.7	4447.5	4190.2	4059.0	4030.0	4014.6	3999.3
5047.3	27.5°	5244.9	5304.6	5001.3	4592.3	4215.7	3961.8	3914.1	3919.2	3914.1	3888.6
5345.5	30°	5546.6	5534.6	5025.1	4437.2	3949.9	3755.6	3759.0	3781.2	3784.6	3767.6
5761.3	32.5°	5943.6	5822.6	5037.1	4236.2	3696.0	3575.0	3578.4	3602.3	3619.3	3590.4
6304.8	35°	6424.1	6158.3	5018.3	3984.0	3500.0	3402.9	3377.3	3384.2	3389.3	3362.0
6964.3	37.5°	6984.7	6534.9	4934.8	3704.5	3338.2	3234.2	3179.7	3133.7	3106.4	3080.9
7710.6	40°	7599.9	6945.5	4781.5	3431.9	3157.5	3055.3	2973.5	2886.6	2794.6	2760.5
8501.3	42.5°	8244.0	7368.1	4595.7	3171.2	2949.6	2866.1	2779.2	2653.1	2515.1	2445.3
9322.6	45°	8912.0	7801.0	4413.4	2913.9	2736.6	2700.9	2600.3	2448.7	2298.7	2210.1
10145.7	47.5°	9566.3	8209.9	4145.9	2654.8	2537.3	2576.5	2498.1	2358.4	2191.4	2051.6
10961.9	50°	10191.7	8593.3	3707.9	2392.4	2375.4	2539.0	2464.0	2262.9	2072.1	1893.2
11762.8	52.5°	10811.9	8903.5	3147.3	2153.9	2288.5	2528.8	2419.7	2198.2	1964.7	1777.3
12516.0	55°	11338.5	9063.6	2607.1	1949.4	2162.4	2441.8	2366.9	2121.5	1813.1	1613.7
13032.3	57.5°	11638.4	8934.1	2157.3	1748.3	1988.6	2298.7	2276.6	1957.9	1632.4	1479.1
13132.8	60°	11508.9	8409.3	1789.2	1572.8	1823.3	2143.6	2119.8	1796.0	1494.4	1349.6
12594.3	62.5°	10794.9	7409.0	1497.8	1419.4	1673.3	1985.2	1963.0	1671.6	1388.8	1249.0
11164.7	65°	9356.7	6027.1	1271.2	1291.6	1521.7	1794.3	1826.7	1567.7	1305.3	1169.0
8637.6	67.5°	7136.4	4365.7	1094.0	1180.9	1373.4	1606.9	1700.6	1492.7	1235.4	1105.9
4997.9	70°	4067.5	2479.3	944.0	1073.5	1242.2	1433.1	1603.5	1433.1	1160.4	1053.1
1872.7	72.5°	1542.1	1138.3	816.2	966.2	1116.1	1286.5	1496.1	1339.4	1073.5	993.4
967.9	75°	823.0	693.5	686.7	840.1	971.3	1143.4	1361.5	1247.3	1008.8	1049.7
669.7	77.5°	560.6	490.8	574.3	719.1	812.8	984.9	1218.4	1107.6	874.2	870.7
463.5	80°	388.5	347.6	466.9	579.4	628.8	828.1	1063.3	950.8	712.3	664.6
286.3	82.5°	233.4	226.6	349.3	432.8	444.7	639.0	881.0	797.5	582.8	507.8
170.4	85°	127.8	134.6	223.2	253.9	259.0	446.5	690.1	616.9	448.2	376.6
61.3	87.5°	35.8	46.0	81.8	100.5	124.4	231.7	410.7	366.4	224.9	156.8
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°
4200.4
4508.8
4704.8
4761.0
4730.3
4658.8
4559.9
4392.9
4210.6
4094.7
3999.3
3893.7
3776.1
3604.0
3380.8
3097.9
2775.8
2453.8
2203.3
2036.3
1877.8
1756.8
1596.7
1458.6
1329.1
1226.9
1146.8
1085.5
1039.4
979.8
1083.8
802.6
635.6
511.2
380.0
156.8
0.0

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