

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: P852733

Luminaire Tested: **GLAN-SB6A-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852733
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-SB6A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25971 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

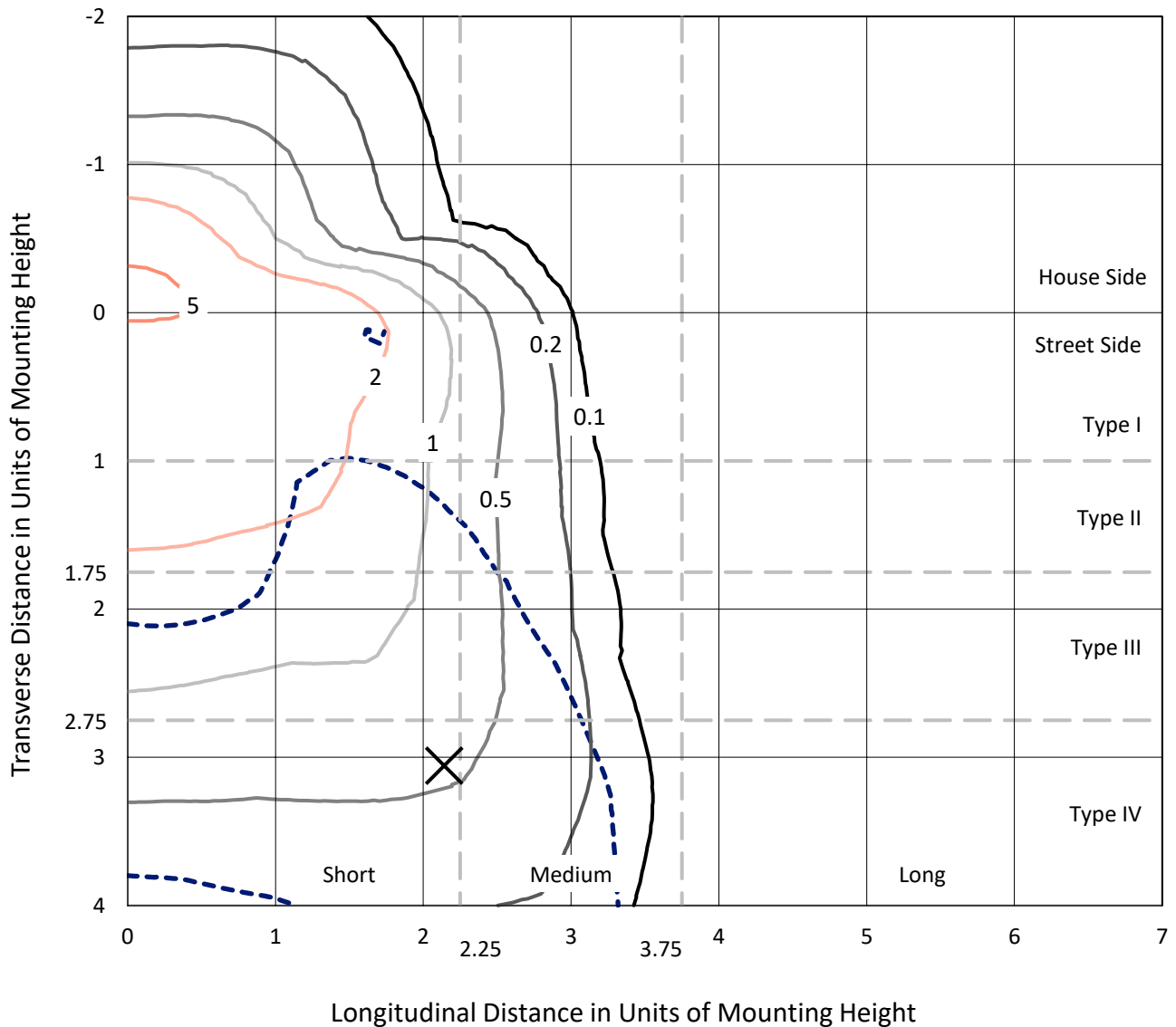
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852733
 CATALOG NUMBER: GLAN-SB6A-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

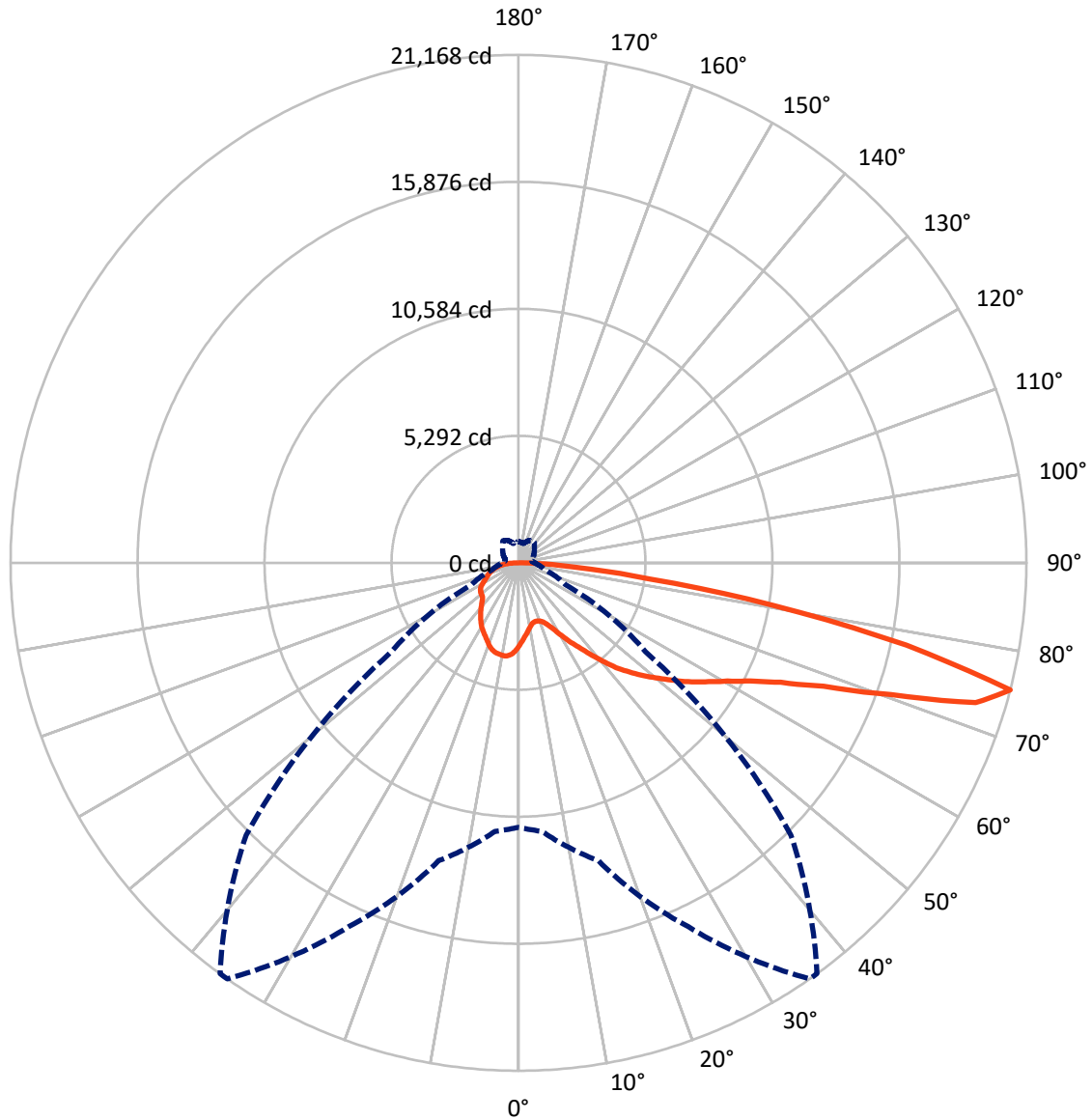
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P852733
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Luminous Intensity Polar Plot



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

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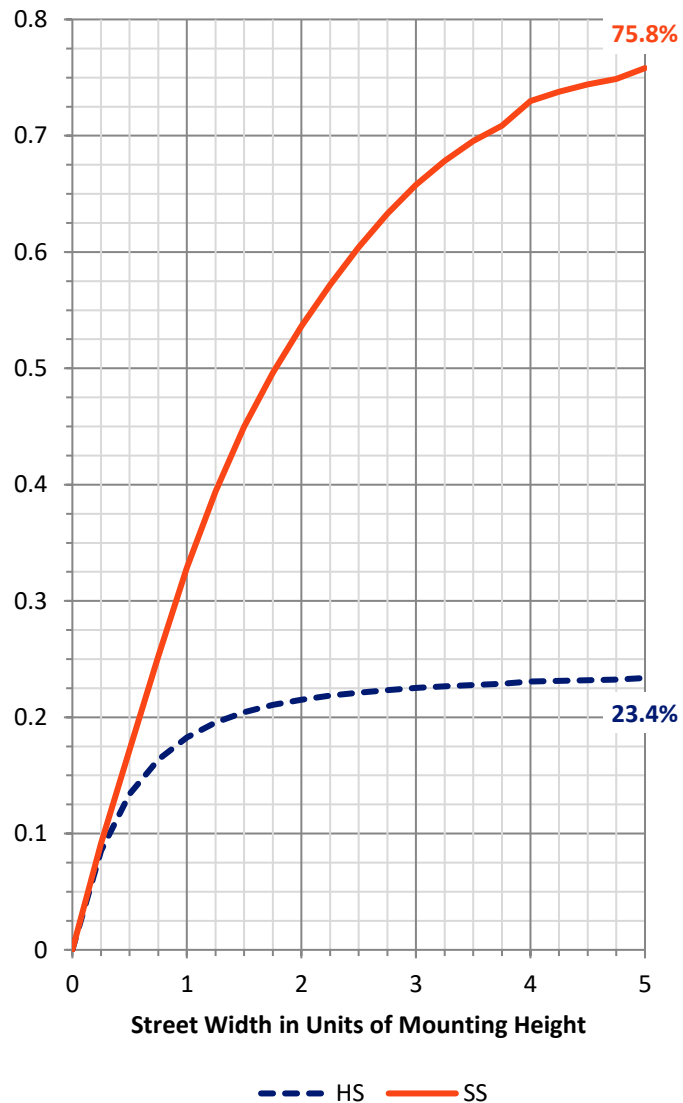
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6180.4	0.0	6180.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19790.6	0.0	19790.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	25971.0	0.0	25971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.7	1.3
10°-20°	945.1	3.6
20°-30°	1587.1	6.1
30°-40°	2466.6	9.5
40°-50°	3661.1	14.1
50°-60°	5054.4	19.5
60°-70°	6132.2	23.6
70°-80°	5067.8	19.5
80°-90°	728.9	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°	25971.0	100.0
0°-180°	25971.0	100.0

Coefficient of Utilization

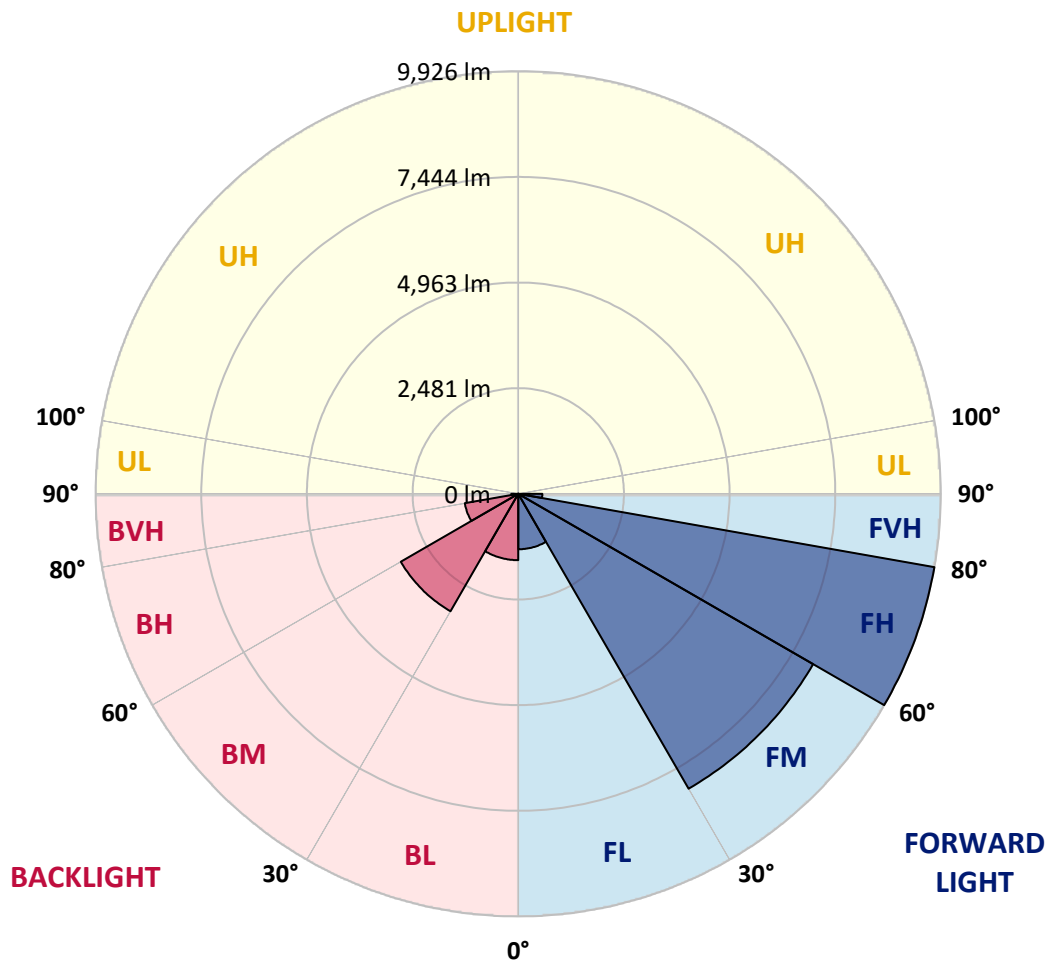


REPORT NUMBER: P852733
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1302.4	5.0			
FM (30°-60°)	7997.7	30.8			
FH (60°-80°)	9925.7	38.2			G4/12000
FVH (80°-90°)	564.8	2.2			G4/750
BL (0°-30°)	1557.6	6.0	B3/2500		
BM (30°-60°)	3184.5	12.3	B3/5000		
BH (60°-80°)	1274.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	164.1	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-G4
 Type IV Short



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CATALOG NUMBER: GLAN-SB6A-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8
2.5°	3191.2	3210.9	3219.3	3215.1	3236.2	3233.4	3262.9	3299.4	3349.9	3399.0
5°	2945.6	2966.6	2984.9	3001.7	3042.4	3055.1	3101.4	3171.6	3264.3	3358.3
7.5°	2716.7	2735.0	2763.0	2793.9	2862.7	2875.4	2952.6	3062.1	3191.2	3328.8
10°	2530.0	2548.2	2577.7	2612.8	2698.5	2713.9	2812.2	2958.2	3126.7	3300.8
12.5°	2449.9	2455.6	2472.4	2507.5	2581.9	2591.7	2699.9	2866.9	3063.5	3279.7
15°	2445.7	2457.0	2458.4	2476.6	2538.4	2542.6	2642.3	2808.0	3024.2	3275.5
17.5°	2487.9	2496.3	2483.6	2494.9	2546.8	2553.8	2632.5	2779.9	3011.5	3293.7
20°	2600.2	2607.2	2569.3	2553.8	2591.7	2597.4	2674.6	2798.1	3024.2	3331.6
22.5°	2838.8	2843.1	2750.4	2687.2	2690.0	2692.8	2760.2	2872.5	3073.3	3400.4
25°	3210.9	3208.1	3060.7	2938.5	2868.3	2852.9	2897.8	2993.3	3156.1	3491.7
27.5°	3646.1	3625.1	3477.7	3295.1	3142.1	3119.6	3109.8	3150.5	3274.1	3612.4
30°	4137.5	4117.9	3959.2	3720.5	3508.5	3472.0	3379.4	3358.3	3449.6	3776.7
32.5°	4676.7	4664.0	4474.5	4185.3	3901.7	3859.5	3703.7	3647.5	3719.1	4025.2
35°	5128.7	5117.5	4960.3	4662.6	4315.8	4263.9	4105.2	4042.1	4078.6	4343.9
37.5°	5537.3	5531.7	5396.9	5162.4	4804.4	4741.2	4562.9	4541.9	4534.9	4763.7
40°	5916.4	5902.3	5761.9	5638.4	5373.0	5315.5	5158.2	5140.0	5086.6	5280.4
42.5°	6336.2	6299.7	6096.1	6038.5	5966.9	5919.2	5825.1	5827.9	5710.0	5863.0
45°	6678.7	6657.7	6448.5	6414.8	6492.0	6472.3	6553.8	6574.8	6346.0	6473.8
47.5°	7046.6	7026.9	6850.0	6826.2	7035.3	7041.0	7328.8	7335.8	6966.6	7108.4
50°	7500.1	7472.0	7296.5	7326.0	7560.4	7581.5	8108.0	8060.3	7538.0	7752.8
52.5°	7799.1	7816.0	7778.1	7825.8	8145.9	8165.5	8874.6	8752.4	8103.8	8388.8
55°	8019.5	8053.2	8171.2	8280.7	8763.6	8783.3	9597.6	9410.9	8572.7	8978.5
57.5°	8303.1	8255.4	8475.8	8689.2	9350.5	9402.5	10301.0	10045.5	8988.3	9486.7
60°	8710.3	8676.6	8847.9	9163.8	10007.6	10090.4	11045.1	10616.9	9292.9	9889.6
62.5°	9535.8	9451.6	9478.3	9757.7	10835.9	10945.4	11884.7	11115.3	9444.6	10046.9
65°	10769.9	10625.3	10490.5	10684.3	12002.6	12110.7	12832.4	11507.0	9388.4	9742.2
67.5°	12324.1	12180.9	12015.3	12197.8	13721.1	13806.7	14001.9	11727.4	8946.2	8568.5
70°	13606.0	13552.6	13750.6	14501.7	16465.9	16468.7	15501.3	11544.9	7734.5	6075.0
72.5°	13436.1	13403.8	14447.0	16769.1	19925.3	19850.9	16920.8	10163.4	5210.2	2740.6
75°	11022.6	11231.8	12847.8	16728.4	21167.8	21158.0	16051.7	6461.1	2155.1	1135.8
77.5°	5910.8	6242.1	8341.0	12350.8	16524.8	16773.4	11285.2	2260.4	925.2	727.3
80°	1927.7	2216.9	3324.6	6288.4	10737.6	10691.3	4836.7	887.3	633.2	515.3
82.5°	818.5	852.2	1485.4	2969.4	5510.6	5425.0	1540.2	509.6	445.1	352.4
85°	320.1	358.0	655.7	1373.1	2386.8	2334.8	556.0	252.7	285.0	230.3
87.5°	105.3	127.8	234.5	470.3	742.7	716.0	136.2	87.0	123.6	105.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852733
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3460.8	0°	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8	3460.8
3470.6	2.5°	3490.3	3512.8	3539.4	3578.7	3612.4	3640.5	3670.0	3688.3	3695.3	3716.3
3476.3	5°	3515.6	3564.7	3630.7	3695.3	3758.5	3796.4	3830.1	3846.9	3862.3	3873.6
3491.7	7.5°	3557.7	3620.9	3724.8	3809.0	3862.3	3893.2	3915.7	3910.1	3915.7	3918.5
3508.5	10°	3594.2	3682.6	3806.2	3886.2	3926.9	3928.3	3922.7	3903.1	3893.2	3894.6
3533.8	12.5°	3637.7	3736.0	3869.4	3936.8	3948.0	3917.1	3893.2	3859.5	3846.9	3841.3
3571.7	15°	3696.7	3809.0	3938.2	3963.4	3935.4	3896.0	3855.3	3800.6	3772.5	3750.0
3636.3	17.5°	3768.3	3891.8	3991.5	3973.3	3912.9	3848.3	3782.3	3699.5	3641.9	3618.1
3724.8	20°	3868.0	3978.9	4032.2	3952.2	3860.9	3762.7	3650.3	3549.3	3495.9	3472.0
3837.1	22.5°	3988.7	4095.4	4071.5	3915.7	3786.5	3629.3	3488.9	3414.5	3387.8	3371.0
3981.7	25°	4133.3	4224.6	4099.6	3862.3	3664.4	3452.4	3344.3	3320.4	3307.8	3295.1
4158.6	27.5°	4321.5	4370.6	4120.7	3783.7	3473.4	3264.3	3224.9	3229.2	3224.9	3203.9
4404.3	30°	4570.0	4560.1	4140.3	3656.0	3254.4	3094.4	3097.2	3115.4	3118.2	3104.2
4746.9	32.5°	4897.1	4797.4	4150.2	3490.3	3045.2	2945.6	2948.4	2968.0	2982.1	2958.2
5194.7	35°	5293.0	5074.0	4134.7	3282.5	2883.8	2803.7	2782.7	2788.3	2792.5	2770.1
5738.1	37.5°	5754.9	5384.3	4065.9	3052.3	2750.4	2664.8	2619.8	2581.9	2559.5	2538.4
6353.0	40°	6261.8	5722.6	3939.6	2827.6	2601.6	2517.3	2449.9	2378.3	2302.5	2274.4
7004.5	42.5°	6792.5	6070.8	3786.5	2612.8	2430.3	2361.5	2289.9	2186.0	2072.3	2014.7
7681.2	45°	7342.8	6427.4	3636.3	2400.8	2254.8	2225.3	2142.5	2017.5	1894.0	1821.0
8359.3	47.5°	7881.9	6764.4	3415.9	2187.4	2090.5	2122.8	2058.2	1943.1	1805.5	1690.4
9031.8	50°	8397.2	7080.3	3055.1	1971.2	1957.1	2091.9	2030.2	1864.5	1707.2	1559.8
9691.7	52.5°	8908.3	7335.8	2593.2	1774.6	1885.5	2083.5	1993.7	1811.1	1618.8	1464.4
10312.2	55°	9342.1	7467.8	2148.1	1606.2	1781.7	2011.9	1950.1	1748.0	1493.8	1329.6
10737.6	57.5°	9589.2	7361.1	1777.4	1440.5	1638.4	1894.0	1875.7	1613.2	1345.0	1218.7
10820.5	60°	9482.5	6928.6	1474.2	1295.9	1502.3	1766.2	1746.6	1479.8	1231.3	1112.0
10376.8	62.5°	8894.2	6104.5	1234.1	1169.5	1378.7	1635.6	1617.4	1377.3	1144.2	1029.1
9198.9	65°	7709.3	4965.9	1047.4	1064.2	1253.8	1478.4	1505.1	1291.7	1075.4	963.1
7116.8	67.5°	5879.9	3597.0	901.4	973.0	1131.6	1324.0	1401.2	1229.9	1017.9	911.2
4117.9	70°	3351.3	2042.8	777.8	884.5	1023.5	1180.7	1321.1	1180.7	956.1	867.7
1543.0	72.5°	1270.6	937.9	672.5	796.1	919.6	1060.0	1232.7	1103.5	884.5	818.5
797.5	75°	678.1	571.4	565.8	692.2	800.3	942.1	1121.8	1027.7	831.2	864.9
551.8	77.5°	461.9	404.3	473.1	592.5	669.7	811.5	1003.8	912.6	720.2	717.4
381.9	80°	320.1	286.4	384.7	477.4	518.1	682.3	876.1	783.4	586.9	547.6
235.9	82.5°	192.3	186.7	287.8	356.6	366.4	526.5	725.9	657.1	480.2	418.4
140.4	85°	105.3	110.9	183.9	209.2	213.4	367.8	568.6	508.2	369.2	310.3
50.5	87.5°	29.5	37.9	67.4	82.8	102.5	190.9	338.4	301.9	185.3	129.2
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°
3460.8
3714.9
3876.4
3922.7
3897.4
3838.5
3757.1
3619.5
3469.2
3373.8
3295.1
3208.1
3111.2
2969.4
2785.5
2552.4
2287.1
2021.7
1815.3
1677.8
1547.2
1447.5
1315.5
1201.8
1095.1
1010.9
944.9
894.3
856.4
807.3
892.9
661.3
523.7
421.2
313.1
129.2
0.0

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