

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: P852735

Luminaire Tested: **GLAN-SB6A-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852735
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-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26383 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

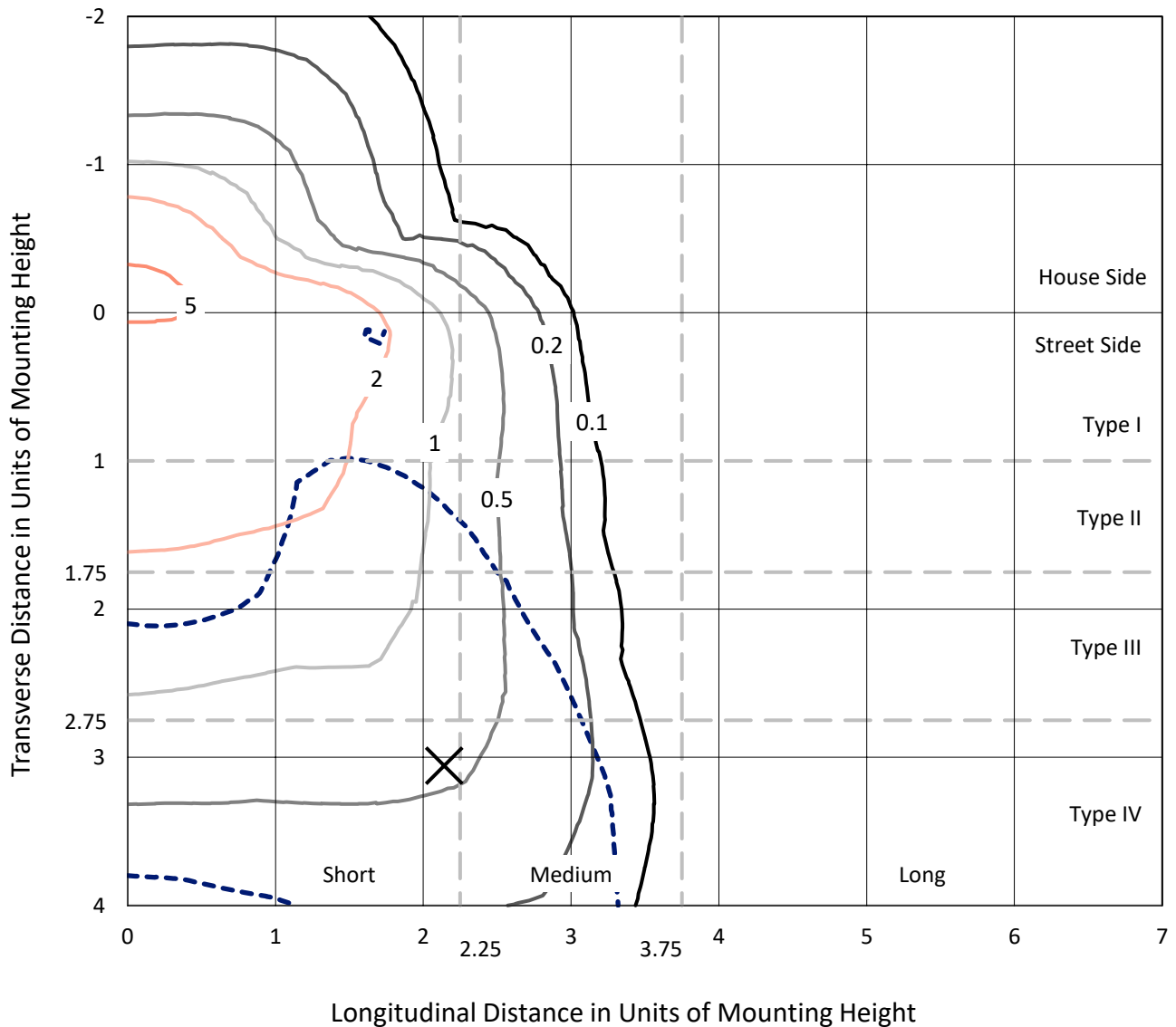
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852735
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Iso-Footcandle Lines of Horizontal Illumination

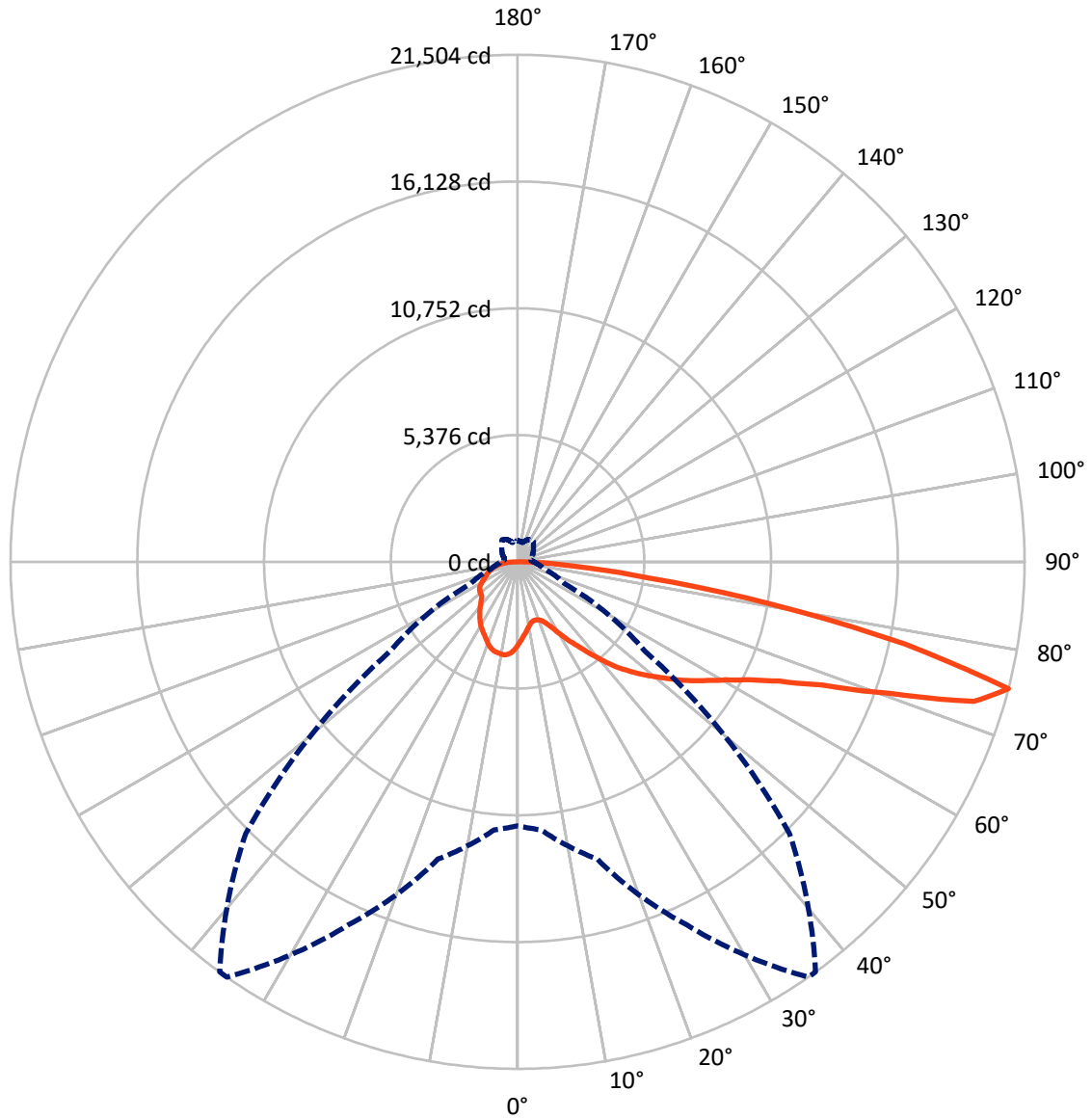
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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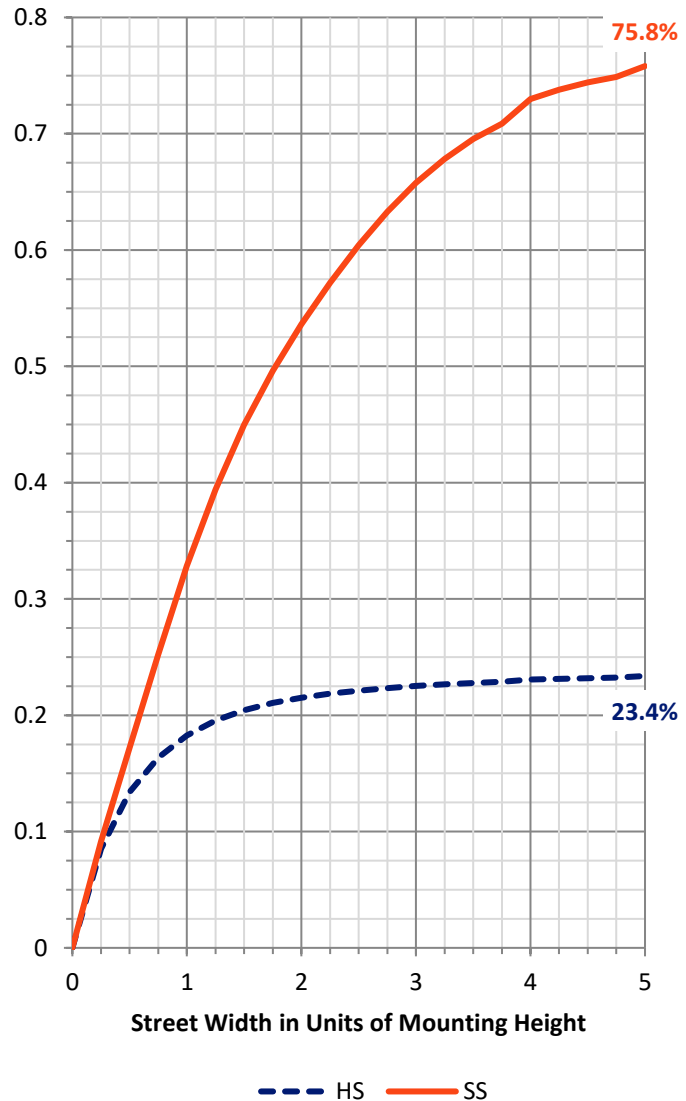
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6278.5	0.0	6278.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20104.5	0.0	20104.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	26383.0	0.0	26383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	1.3
10°-20°	960.1	3.6
20°-30°	1612.3	6.1
30°-40°	2505.8	9.5
40°-50°	3719.2	14.1
50°-60°	5134.6	19.5
60°-70°	6229.5	23.6
70°-80°	5148.2	19.5
80°-90°	740.5	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°	26383.0	100.0
0°-180°	26383.0	100.0

Coefficient of Utilization

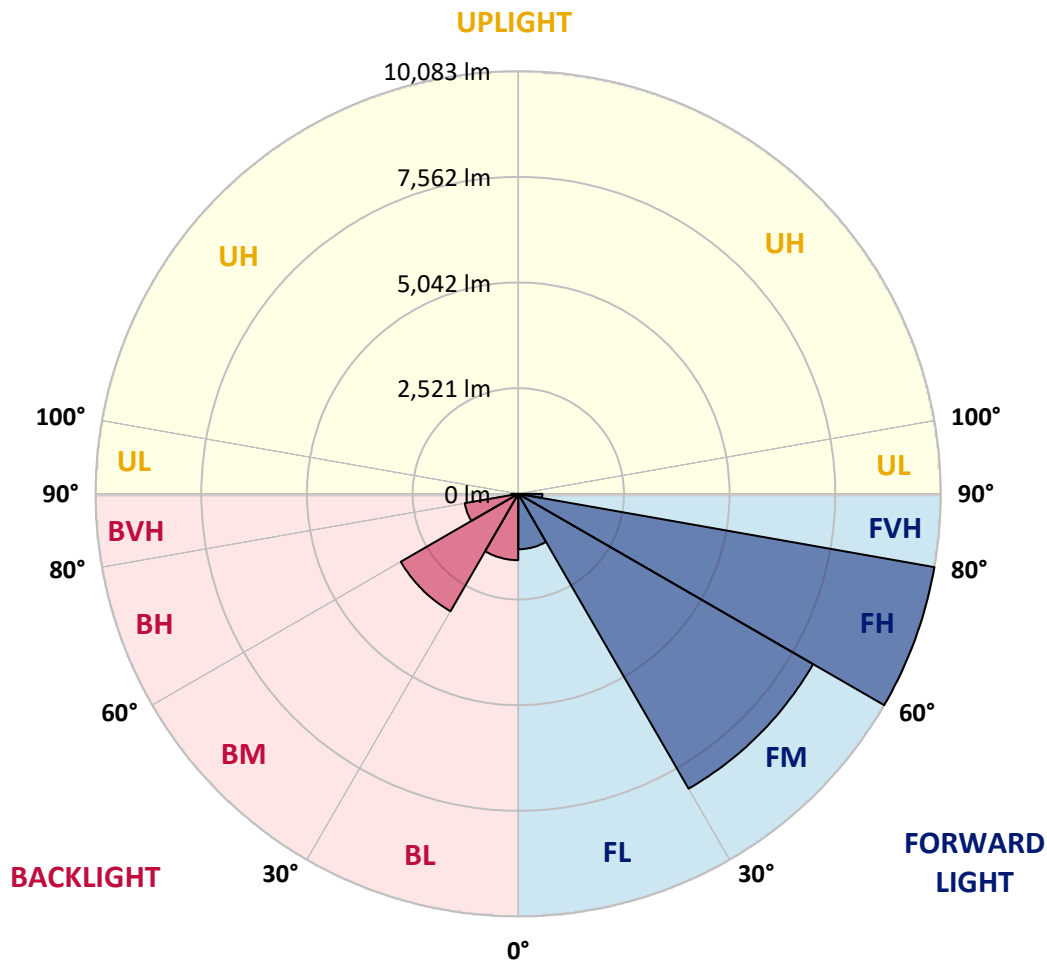


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1323.1	5.0			
FM (30°-60°)	8124.5	30.8			
FH (60°-80°)	10083.2	38.2			G4/12000
FVH (80°-90°)	573.7	2.2			G4/750
BL (0°-30°)	1582.3	6.0	B3/2500		
BM (30°-60°)	3235.1	12.3	B3/5000		
BH (60°-80°)	1294.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	166.7	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7
2.5°	3241.9	3261.8	3270.4	3266.1	3287.5	3284.7	3314.6	3351.7	3403.0	3453.0
5°	2992.3	3013.7	3032.2	3049.3	3090.7	3103.5	3150.6	3221.9	3316.0	3411.6
7.5°	2759.8	2778.3	2806.9	2838.2	2908.1	2921.0	2999.4	3110.7	3241.9	3381.6
10°	2570.1	2588.6	2618.6	2654.3	2741.3	2756.9	2856.8	3005.1	3176.3	3353.1
12.5°	2488.8	2494.5	2511.6	2547.3	2622.9	2632.9	2742.7	2912.4	3112.1	3331.7
15°	2484.5	2495.9	2497.4	2515.9	2578.7	2582.9	2684.2	2852.5	3072.1	3327.4
17.5°	2527.3	2535.9	2523.0	2534.5	2587.2	2594.4	2674.2	2824.0	3059.3	3346.0
20°	2641.4	2648.6	2610.0	2594.4	2632.9	2638.6	2717.0	2842.5	3072.1	3384.5
22.5°	2883.9	2888.2	2794.0	2729.8	2732.7	2735.6	2804.0	2918.1	3122.1	3454.4
25°	3261.8	3259.0	3109.2	2985.1	2913.8	2898.1	2943.8	3040.8	3206.2	3547.1
27.5°	3704.0	3682.6	3532.8	3347.4	3192.0	3169.1	3159.2	3200.5	3326.0	3669.7
30°	4203.2	4183.2	4022.0	3779.6	3564.2	3527.1	3433.0	3411.6	3504.3	3836.6
32.5°	4750.8	4738.0	4545.5	4251.7	3963.6	3920.8	3762.5	3705.4	3778.1	4089.1
35°	5210.1	5198.7	5039.0	4736.6	4384.3	4331.5	4170.4	4106.2	4143.3	4412.8
37.5°	5625.1	5619.4	5482.5	5244.3	4880.6	4816.5	4635.3	4613.9	4606.8	4839.3
40°	6010.2	5996.0	5853.3	5727.8	5458.3	5399.8	5240.1	5221.5	5167.3	5364.1
42.5°	6436.7	6399.6	6192.8	6134.3	6061.6	6013.1	5917.5	5920.4	5800.6	5956.0
45°	6784.7	6763.3	6550.8	6516.5	6595.0	6575.0	6657.7	6679.1	6446.7	6576.5
47.5°	7158.4	7138.4	6958.7	6934.4	7147.0	7152.7	7445.0	7452.2	7077.1	7221.1
50°	7619.0	7590.5	7412.2	7442.2	7680.4	7701.8	8236.6	8188.1	7657.6	7875.8
52.5°	7922.8	7939.9	7901.4	7949.9	8275.1	8295.1	9015.3	8891.3	8232.3	8521.9
55°	8146.8	8181.0	8300.8	8412.0	8902.7	8922.6	9749.9	9560.2	8708.7	9120.9
57.5°	8434.9	8386.4	8610.3	8827.1	9498.8	9551.6	10464.4	10204.8	9130.9	9637.2
60°	8848.5	8814.2	8988.2	9309.2	10166.3	10250.5	11220.3	10785.3	9440.4	10046.5
62.5°	9687.1	9601.5	9628.6	9912.5	11007.8	11119.1	12073.2	11291.6	9594.4	10206.3
65°	10940.8	10793.9	10657.0	10853.8	12193.0	12302.9	13036.0	11689.6	9537.4	9896.8
67.5°	12519.6	12374.2	12205.9	12391.3	13938.8	14025.8	14224.0	11913.5	9088.1	8704.4
70°	13821.8	13767.6	13968.7	14731.8	16727.1	16729.9	15747.3	11728.1	7857.2	6171.4
72.5°	13649.2	13616.4	14676.1	17035.2	20241.4	20165.8	17189.2	10324.6	5292.8	2784.0
75°	11197.5	11410.0	13051.6	16993.8	21503.6	21493.6	16306.3	6563.6	2189.3	1153.8
77.5°	6004.5	6341.1	8473.4	12546.7	16787.0	17039.4	11464.2	2296.3	939.9	738.8
80°	1958.2	2252.1	3377.4	6388.2	10908.0	10860.9	4913.4	901.4	643.2	523.4
82.5°	831.5	865.7	1509.0	3016.5	5598.0	5511.0	1564.6	517.7	452.1	358.0
85°	325.2	363.7	666.1	1394.9	2424.6	2371.9	564.8	256.7	289.5	233.9
87.5°	107.0	129.8	238.2	477.8	754.5	727.4	138.3	88.4	125.5	107.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852735
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3515.7	0°	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7	3515.7
3525.7	2.5°	3545.7	3568.5	3595.6	3635.5	3669.7	3698.3	3728.2	3746.8	3753.9	3775.3
3531.4	5°	3571.3	3621.3	3688.3	3753.9	3818.1	3856.6	3890.8	3907.9	3923.6	3935.0
3547.1	7.5°	3614.1	3678.3	3783.8	3869.4	3923.6	3955.0	3977.8	3972.1	3977.8	3980.7
3564.2	10°	3651.2	3741.1	3866.6	3947.9	3989.2	3990.7	3985.0	3965.0	3955.0	3956.4
3589.9	12.5°	3695.4	3795.3	3930.8	3999.2	4010.6	3979.2	3955.0	3920.8	3907.9	3902.2
3628.4	15°	3755.3	3869.4	4000.6	4026.3	3997.8	3957.9	3916.5	3860.9	3832.3	3809.5
3694.0	17.5°	3828.1	3953.6	4054.8	4036.3	3975.0	3909.4	3842.3	3758.2	3699.7	3675.5
3783.8	20°	3929.3	4042.0	4096.2	4014.9	3922.2	3822.4	3708.3	3605.6	3551.4	3527.1
3897.9	22.5°	4052.0	4160.4	4136.1	3977.8	3846.6	3686.9	3544.2	3468.6	3441.5	3424.4
4044.9	25°	4198.9	4291.6	4164.7	3923.6	3722.5	3507.2	3397.3	3373.1	3360.3	3347.4
4224.6	27.5°	4390.0	4439.9	4186.1	3843.8	3528.5	3316.0	3276.1	3280.4	3276.1	3254.7
4474.2	30°	4642.5	4632.5	4206.0	3714.0	3306.1	3143.5	3146.3	3164.9	3167.7	3153.4
4822.2	32.5°	4974.8	4873.5	4216.0	3545.7	3093.5	2992.3	2995.1	3015.1	3029.4	3005.1
5277.1	35°	5377.0	5154.5	4200.3	3334.6	2929.5	2848.2	2826.8	2832.5	2836.8	2814.0
5829.1	37.5°	5846.2	5469.7	4130.4	3100.7	2794.0	2707.0	2661.4	2622.9	2600.1	2578.7
6453.8	40°	6361.1	5813.4	4002.1	2872.5	2642.8	2557.3	2488.8	2416.1	2339.1	2310.5
7115.6	42.5°	6900.2	6167.1	3846.6	2654.3	2468.8	2399.0	2326.2	2220.7	2105.1	2046.7
7803.0	45°	7459.3	6529.4	3694.0	2438.9	2290.6	2260.6	2176.5	2049.5	1924.0	1849.8
8491.9	47.5°	8007.0	6871.7	3470.1	2222.1	2123.7	2156.5	2090.9	1973.9	1834.2	1717.2
9175.1	50°	8530.4	7192.6	3103.5	2002.5	1988.2	2125.1	2062.4	1894.1	1734.3	1584.6
9845.4	52.5°	9049.6	7452.2	2634.3	1802.8	1915.5	2116.6	2025.3	1839.9	1644.5	1487.6
10475.8	55°	9490.3	7586.2	2182.2	1631.6	1809.9	2043.8	1981.1	1775.7	1517.5	1350.7
10908.0	57.5°	9741.3	7477.8	1805.6	1463.3	1664.4	1924.0	1905.5	1638.8	1366.4	1238.0
10992.1	60°	9632.9	7038.6	1497.6	1316.4	1526.1	1794.2	1774.3	1503.3	1250.8	1129.6
10541.4	62.5°	9035.3	6201.3	1253.7	1188.1	1400.6	1661.6	1643.0	1399.2	1162.4	1045.4
9344.8	65°	7831.6	5044.7	1064.0	1081.1	1273.6	1501.8	1528.9	1312.2	1092.5	978.4
7229.7	67.5°	5973.1	3654.1	915.7	988.4	1149.6	1345.0	1423.4	1249.4	1034.0	925.6
4183.2	70°	3404.5	2075.2	790.1	898.5	1039.7	1199.5	1342.1	1199.5	971.3	881.4
1567.5	72.5°	1290.8	952.7	683.2	808.7	934.2	1076.8	1252.2	1121.0	898.5	831.5
810.1	75°	688.9	580.5	574.8	703.1	813.0	957.0	1139.6	1044.0	844.3	878.6
560.5	77.5°	469.2	410.8	480.6	601.9	680.3	824.4	1019.8	927.1	731.7	728.8
387.9	80°	325.2	291.0	390.8	484.9	526.3	693.2	890.0	795.8	596.2	556.2
239.6	82.5°	195.4	189.7	292.4	362.3	372.3	534.8	737.4	667.5	487.8	425.0
142.6	85°	107.0	112.7	186.8	212.5	216.8	373.7	577.6	516.3	375.1	315.2
51.3	87.5°	30.0	38.5	68.5	84.1	104.1	194.0	343.7	306.6	188.3	131.2
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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<u>180°</u>
3515.7
3773.9
3937.9
3985.0
3959.3
3899.4
3816.7
3676.9
3524.3
3427.3
3347.4
3259.0
3160.6
3016.5
2829.7
2592.9
2323.4
2053.8
1844.1
1704.4
1571.7
1470.5
1336.4
1220.9
1112.5
1026.9
959.9
908.5
870.0
820.1
907.1
671.8
532.0
427.9
318.1
131.2
0.0

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