

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: P853136

Luminaire Tested: **GLAN-SB9A-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24191 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

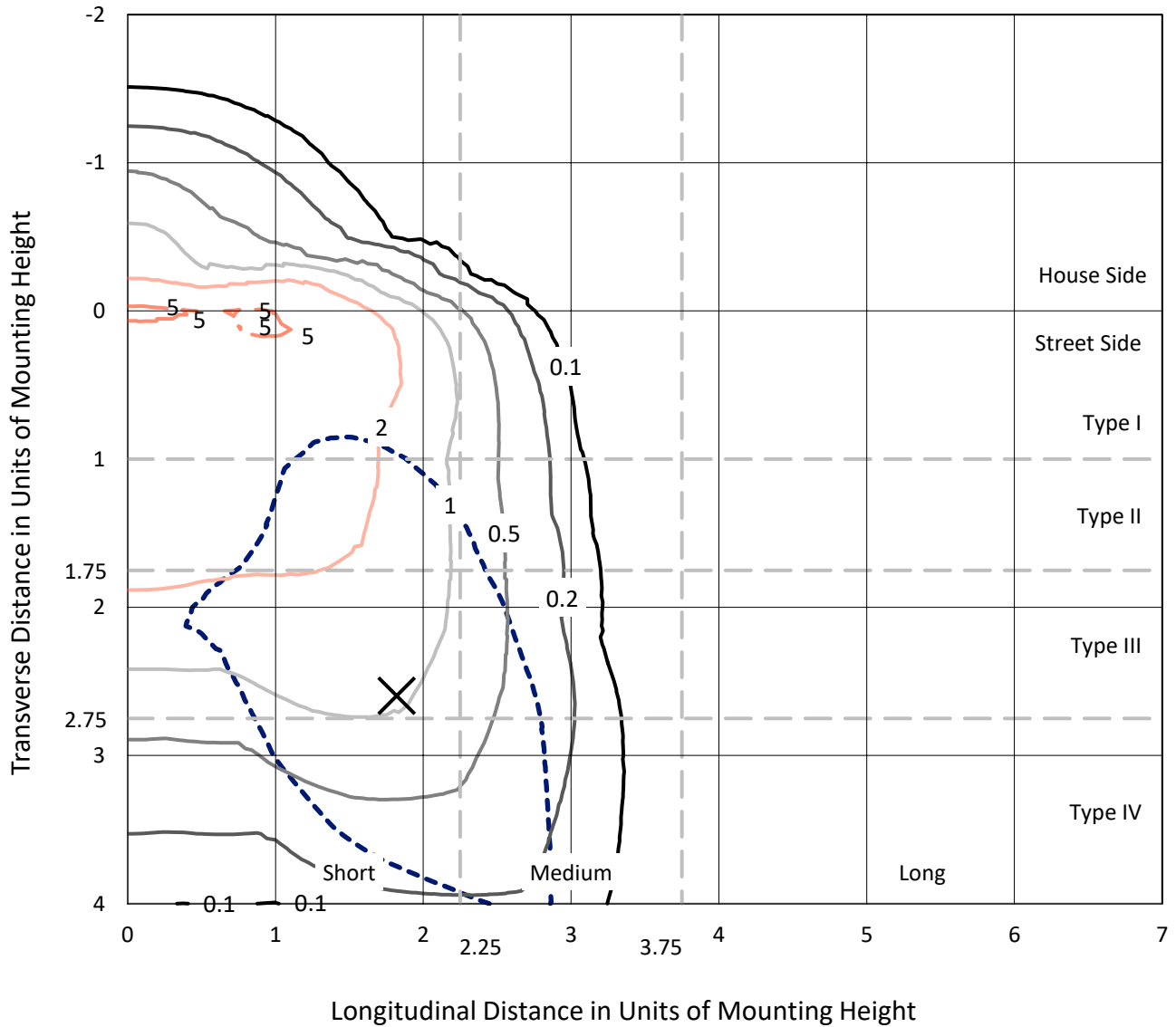
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

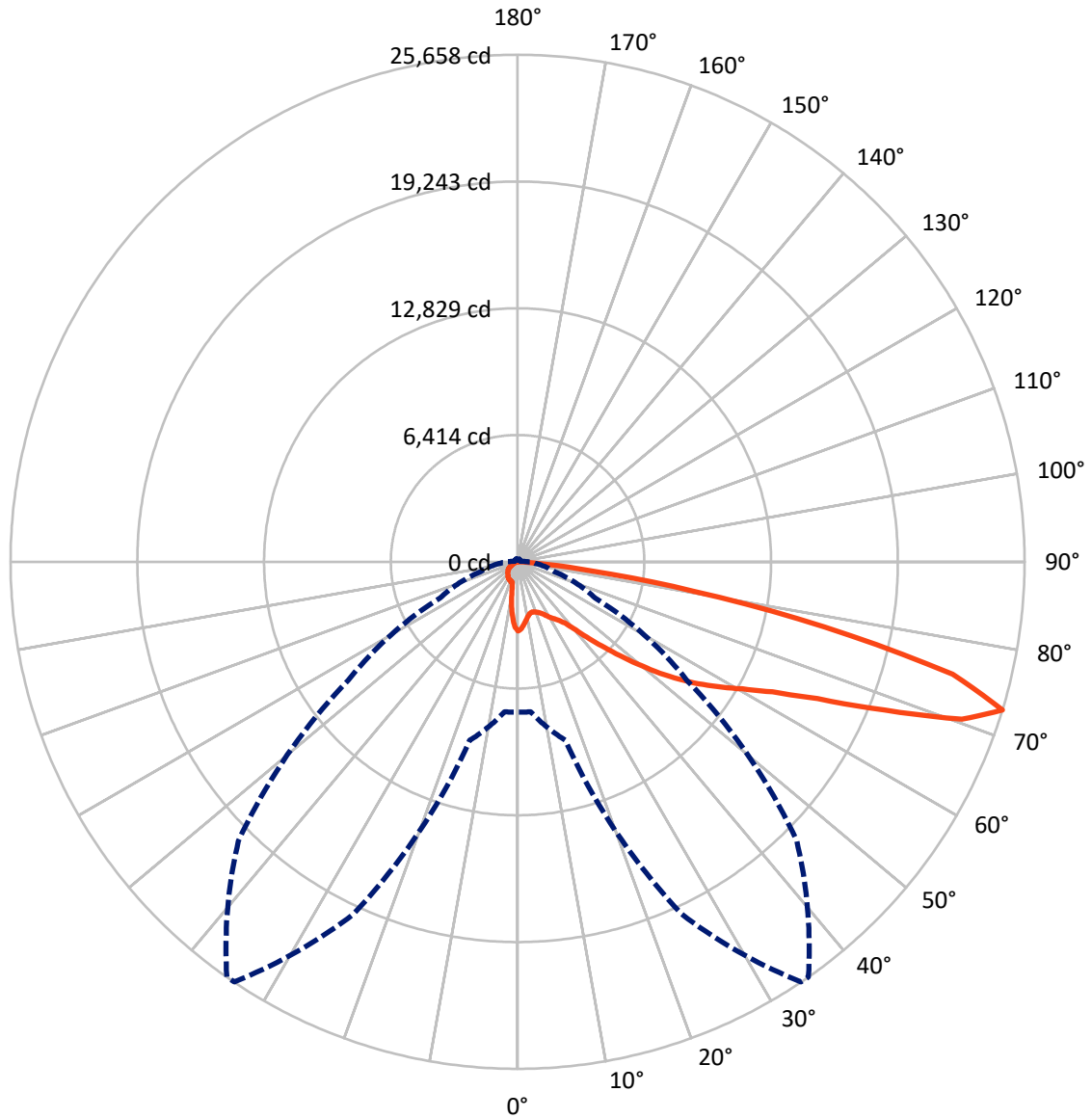
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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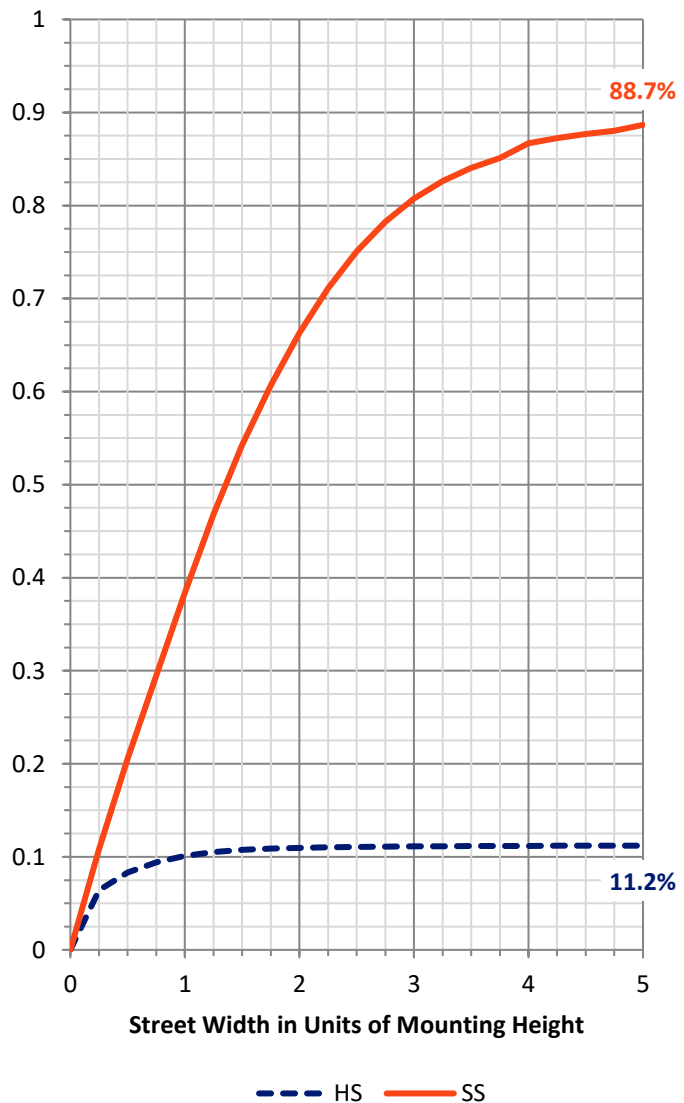
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2722.6	0.0	2722.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21468.4	0.0	21468.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	24191.0	0.0	24191.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	1.2
10°-20°	674.0	2.8
20°-30°	1094.9	4.5
30°-40°	1826.8	7.6
40°-50°	3456.4	14.3
50°-60°	5492.1	22.7
60°-70°	6794.1	28.1
70°-80°	4223.3	17.5
80°-90°	341.3	1.4
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°	24191.0	100.0
0°-180°	24191.0	100.0

Coefficient of Utilization



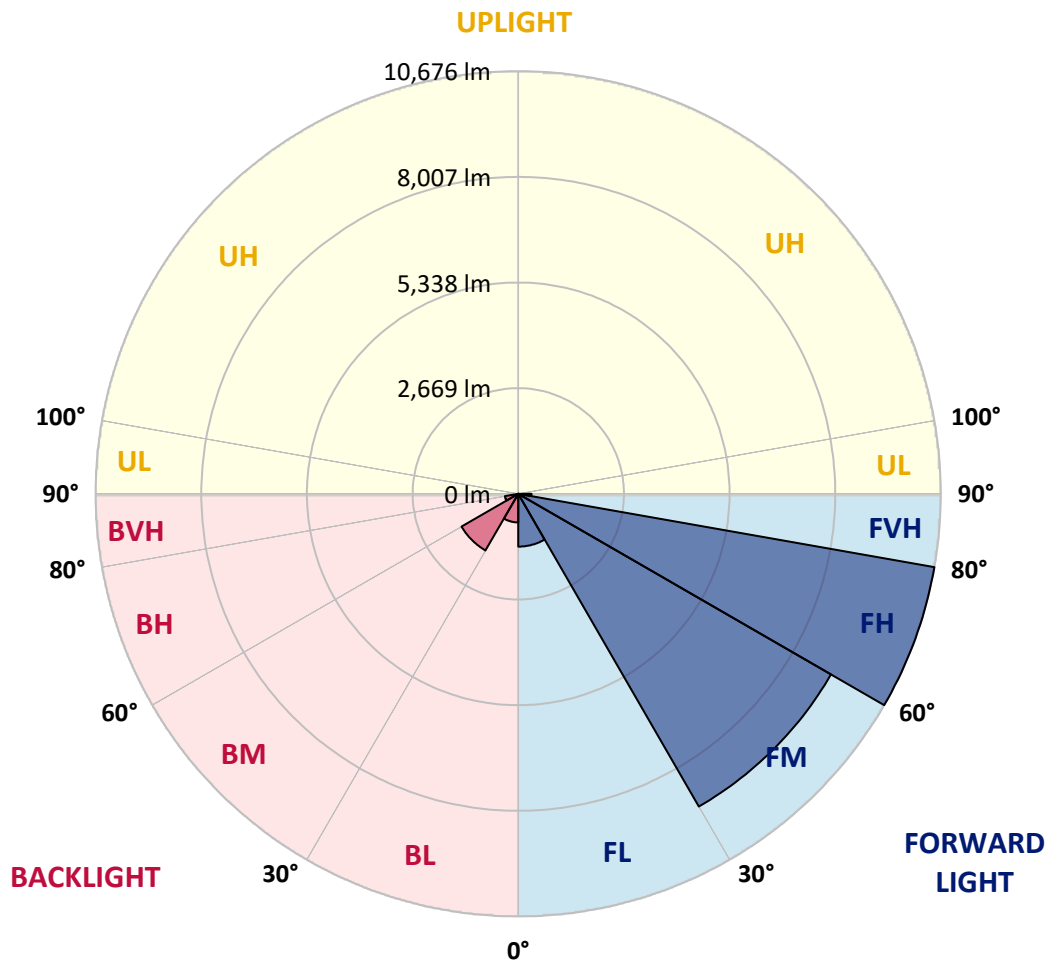
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1333.5	5.5			
FM (30°-60°)	9122.4	37.7			
FH (60°-80°)	10675.8	44.1			G4/12000
FVH (80°-90°)	336.7	1.4			G3/500
BL (0°-30°)	723.4	3.0	B2/1000		
BM (30°-60°)	1652.9	6.8	B2/2500		
BH (60°-80°)	341.6	1.4	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1
2.5°	3350.1	3378.5	3383.8	3392.6	3392.6	3403.3	3421.0	3445.8	3486.6	3507.9
5°	3087.8	3109.0	3135.6	3156.9	3197.7	3203.0	3272.1	3339.5	3433.4	3504.3
7.5°	2823.7	2848.5	2883.9	2935.3	2988.5	3004.5	3109.0	3222.5	3371.4	3504.3
10°	2637.5	2639.3	2671.2	2722.6	2807.7	2827.2	2954.8	3116.1	3302.2	3483.0
12.5°	2533.0	2545.4	2559.5	2598.5	2680.1	2692.5	2829.0	3018.6	3233.1	3470.6
15°	2533.0	2541.8	2550.7	2570.2	2635.8	2646.4	2766.9	2956.6	3197.7	3476.0
17.5°	2559.5	2573.7	2566.6	2589.7	2658.8	2665.9	2772.3	2938.9	3195.9	3509.6
20°	2623.4	2634.0	2619.8	2634.0	2703.1	2717.3	2827.2	2972.6	3226.0	3568.1
22.5°	2724.4	2729.7	2696.0	2706.7	2777.6	2795.3	2922.9	3068.3	3298.7	3662.1
25°	2852.0	2862.7	2811.3	2823.7	2891.0	2912.3	3059.4	3211.8	3413.9	3791.5
27.5°	2999.1	3004.5	2960.1	2958.4	3045.2	3075.4	3224.3	3389.1	3568.1	3954.5
30°	3167.5	3183.5	3140.9	3133.9	3243.8	3268.6	3415.7	3607.1	3795.0	4199.2
32.5°	3300.5	3312.9	3288.1	3305.8	3417.5	3437.0	3647.9	3915.5	4151.3	4546.6
35°	3491.9	3499.0	3442.3	3474.2	3601.8	3651.4	3965.2	4348.0	4599.7	4982.6
37.5°	4185.0	4185.0	3943.9	3786.1	3908.5	3952.8	4399.4	4892.2	5152.8	5567.6
40°	5143.9	5128.0	4775.2	4452.6	4436.7	4523.5	5018.1	5578.2	5867.1	6269.5
42.5°	6166.7	6141.9	5661.5	5342.4	5289.3	5319.4	5732.4	6423.7	6717.9	7125.6
45°	7074.2	7067.1	6627.5	6198.6	6102.9	6198.6	6624.0	7412.8	7623.7	8052.7
47.5°	7834.6	7834.6	7513.8	7233.7	7184.1	7240.8	7831.1	8510.0	8490.5	9040.0
50°	8710.3	8703.2	8398.3	8277.8	8329.2	8408.9	9220.8	9665.7	9387.4	10009.5
52.5°	9323.6	9366.1	9261.5	9242.0	9504.4	9642.6	10631.7	10796.5	10190.3	10929.5
55°	9809.2	9858.9	9979.4	10115.9	10621.1	10801.9	11998.3	11868.9	10862.1	11727.1
57.5°	10497.0	10426.1	10612.2	10881.6	11698.8	11916.8	13322.4	12881.1	11402.8	12374.1
60°	11331.9	11342.5	11374.4	11714.7	12774.7	13054.8	14627.0	13838.2	11750.2	12771.2
62.5°	12335.1	12351.1	12416.7	12939.6	14219.3	14483.4	16016.7	14621.7	11909.7	12659.5
65°	12266.0	12333.3	13065.4	14853.9	16415.5	16676.1	17638.6	15171.2	11668.6	11638.5
67.5°	11174.1	11284.0	12508.8	17140.5	19726.6	20017.3	19599.0	15279.3	10628.2	9050.6
70°	9741.9	9780.9	11253.9	19196.6	23560.6	23854.9	21353.8	14089.9	8065.1	5048.2
72.5°	7607.7	7616.6	9344.8	19673.4	25641.6	25657.5	19976.5	10459.8	4337.4	1939.2
75°	5434.6	5381.4	6258.8	15954.6	22559.1	22739.9	14976.2	4906.4	1657.3	916.4
77.5°	2914.1	2972.6	3541.5	9461.8	15584.2	15892.6	8171.4	1414.5	843.7	623.9
80°	900.5	950.1	1451.7	4332.1	8827.3	9013.4	3029.3	629.3	588.5	444.9
82.5°	283.6	294.2	677.1	1820.4	3663.8	3748.9	877.4	356.3	402.4	294.2
85°	81.5	83.3	301.3	678.9	905.8	923.5	246.4	138.3	230.4	182.6
87.5°	8.9	28.4	113.4	113.4	79.8	78.0	26.6	30.1	65.6	23.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3506.1	0°	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1	3506.1
3522.0	2.5°	3513.2	3514.9	3491.9	3452.9	3410.4	3374.9	3330.6	3295.2	3270.3	3263.2
3553.9	5°	3538.0	3525.6	3460.0	3341.2	3199.4	3077.1	2940.6	2832.5	2761.6	2731.5
3587.6	7.5°	3575.2	3539.8	3396.2	3162.2	2891.0	2649.9	2405.3	2215.7	2095.1	2034.9
3619.5	10°	3607.1	3536.2	3289.8	2903.4	2488.6	2123.5	1793.8	1565.2	1437.5	1377.3
3656.8	12.5°	3637.3	3534.4	3151.6	2596.8	2034.9	1588.2	1281.5	1168.1	1132.7	1120.2
3717.0	15°	3694.0	3539.8	2977.9	2245.8	1582.9	1200.0	1088.3	1086.6	1093.7	1090.1
3809.2	17.5°	3772.0	3545.1	2781.1	1873.6	1221.3	1058.2	1052.9	1068.8	1079.5	1074.2
3924.4	20°	3873.0	3566.4	2572.0	1504.9	1049.3	1022.8	1035.2	1049.3	1058.2	1049.3
4078.6	22.5°	4014.8	3603.6	2343.3	1208.9	994.4	1001.5	1012.1	1028.1	1036.9	1024.5
4275.4	25°	4188.5	3662.1	2118.2	1051.1	967.8	976.7	992.6	1010.3	1021.0	1008.6
4523.5	27.5°	4413.6	3756.0	1910.8	1015.7	941.2	946.5	969.6	996.2	1010.3	994.4
4876.3	30°	4739.8	3910.2	1731.8	1031.6	925.3	912.9	944.8	982.0	997.9	983.8
5356.6	32.5°	5172.3	4128.2	1621.9	1056.4	918.2	873.9	904.0	951.9	978.4	969.6
5984.1	35°	5739.5	4459.7	1579.3	1084.8	912.9	833.1	854.4	905.8	951.9	960.7
6774.7	37.5°	6427.2	4920.6	1591.7	1097.2	896.9	799.4	810.1	854.4	914.6	943.0
7664.5	40°	7208.9	5457.7	1662.6	1084.8	879.2	771.1	772.8	806.5	859.7	902.2
8621.6	42.5°	8015.4	6085.1	1793.8	1038.7	863.2	746.2	740.9	764.0	799.4	829.5
9577.0	45°	8782.9	6730.3	1923.2	974.9	843.7	721.4	709.0	717.9	725.0	737.4
10507.6	47.5°	9453.0	7184.1	1886.0	916.4	817.1	693.1	671.8	668.2	647.0	645.2
11338.9	50°	9915.6	7283.4	1675.1	857.9	778.1	661.2	627.5	606.2	569.0	551.3
11961.1	52.5°	10062.7	6891.6	1368.4	799.4	714.3	618.6	570.8	537.1	491.0	475.0
12319.2	55°	9867.7	6124.1	1093.7	728.5	625.7	561.9	508.7	464.4	427.2	407.7
12358.2	57.5°	9390.9	5147.5	865.0	645.2	531.8	498.1	444.9	400.6	368.7	349.2
11925.7	60°	8600.4	4087.5	684.2	545.9	453.8	429.0	374.0	345.6	317.3	294.2
10809.0	62.5°	7400.4	2917.6	537.1	432.5	379.3	351.0	319.1	297.8	264.1	232.2
8800.7	65°	5774.9	1784.9	414.8	317.3	304.9	290.7	271.2	251.7	210.9	179.0
5741.3	67.5°	3642.6	845.5	296.0	239.3	241.1	234.0	225.1	209.2	179.0	150.7
2572.0	70°	1604.2	409.5	195.0	182.6	179.0	179.0	186.1	180.8	152.4	125.9
893.4	72.5°	545.9	219.8	145.3	138.3	129.4	127.6	156.0	150.7	122.3	97.5
444.9	75°	285.4	147.1	106.4	99.3	78.0	93.9	124.1	117.0	86.9	63.8
294.2	77.5°	186.1	104.6	72.7	63.8	44.3	62.0	92.2	81.5	51.4	31.9
193.2	80°	117.0	69.1	42.5	30.1	21.3	33.7	49.6	35.5	19.5	7.1
113.4	82.5°	62.0	35.5	16.0	10.6	8.9	10.6	12.4	8.9	3.5	0.0
58.5	85°	24.8	12.4	5.3	3.5	1.8	0.0	3.5	1.8	0.0	0.0
10.6	87.5°	8.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3506.1
3275.7
2742.1
2043.7
1379.0
1116.7
1088.3
1072.4
1047.6
1022.8
1006.8
994.4
982.0
969.6
960.7
950.1
916.4
842.0
744.5
643.4
553.0
473.3
407.7
345.6
288.9
226.9
173.7
147.1
120.5
92.2
58.5
28.4
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