

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: P941778

Luminaire Tested: **GLAN-SB5C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA 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: 23662 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 249.5
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

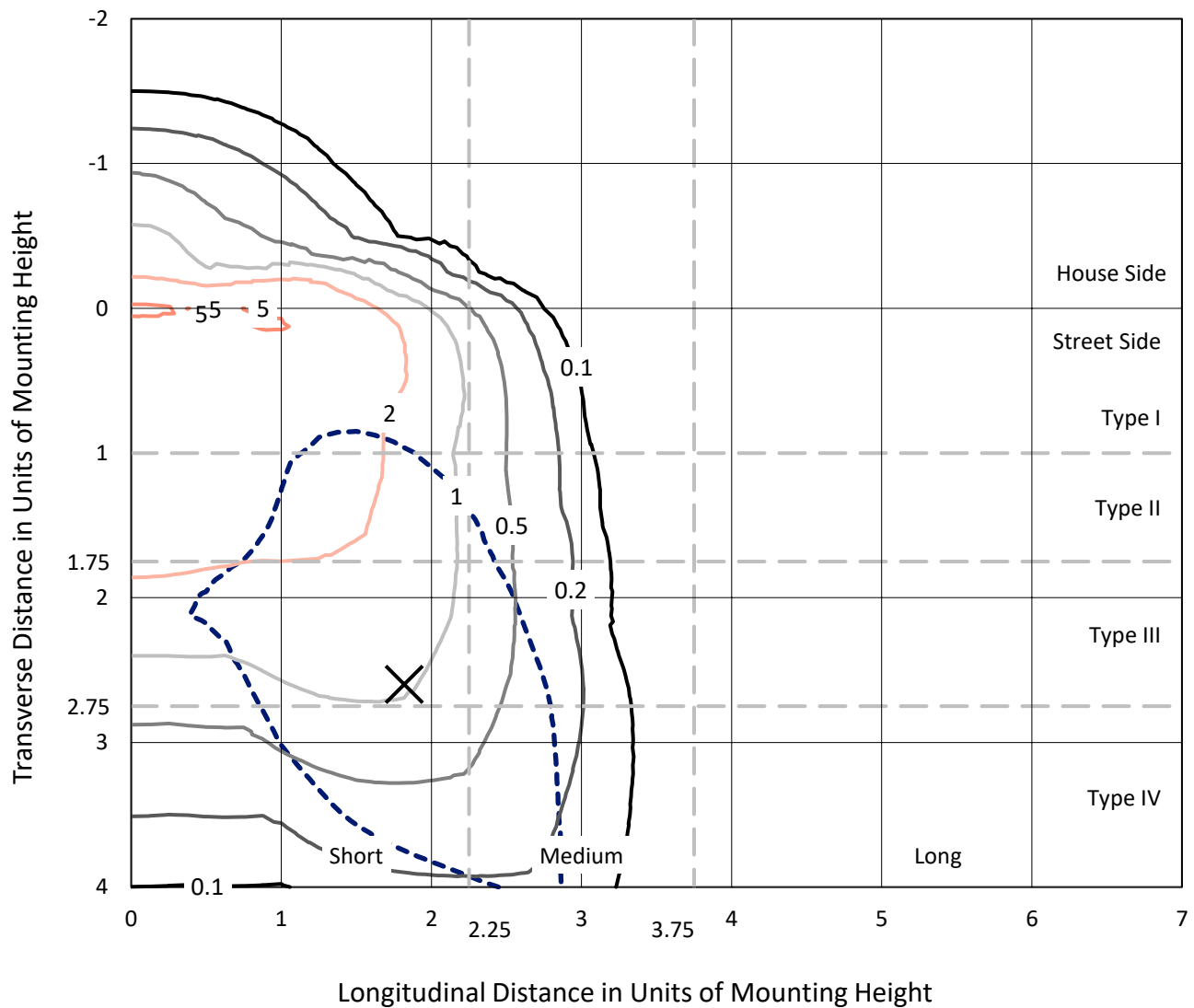


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Iso-Footcandle Lines of Horizontal Illumination

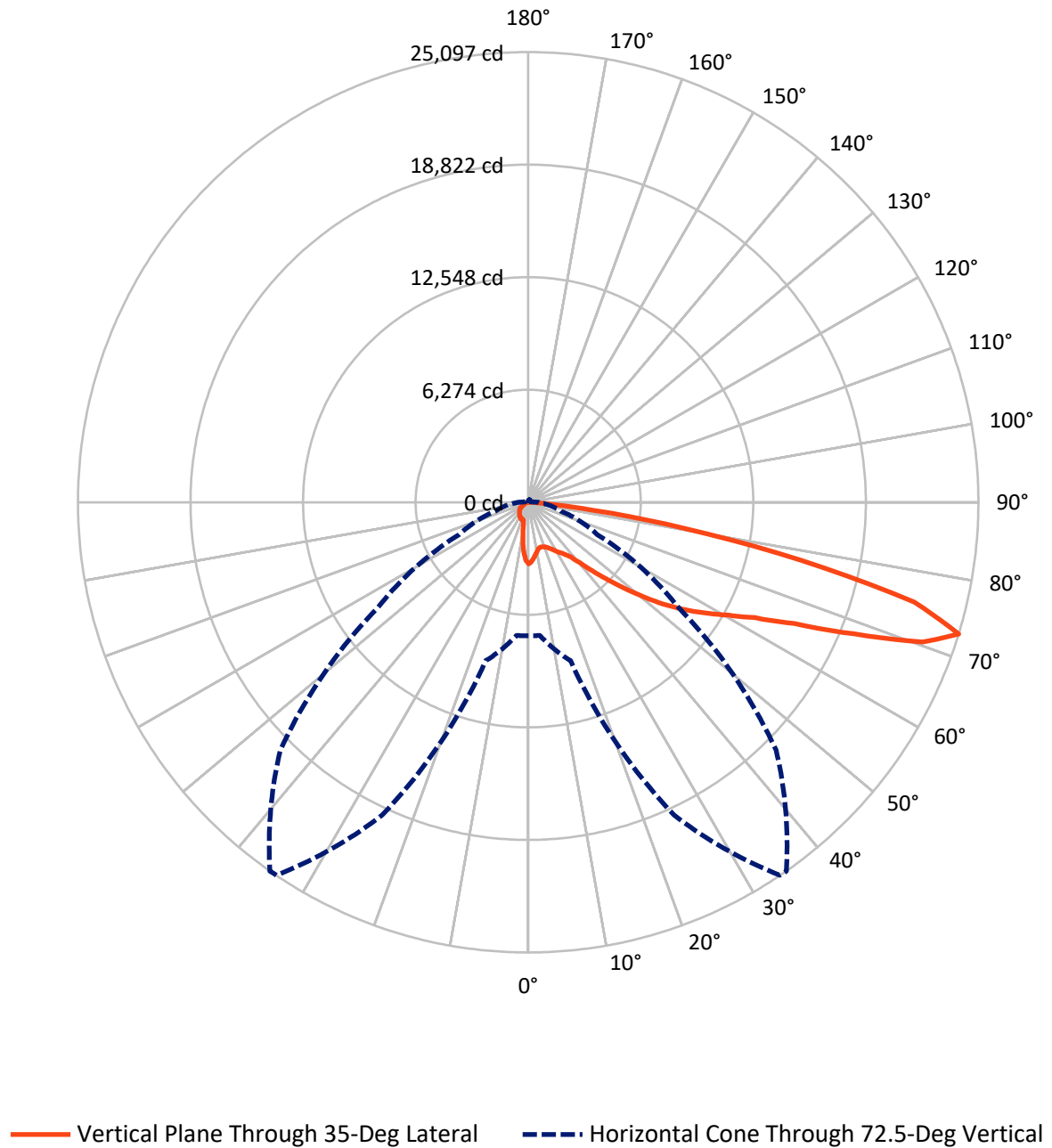
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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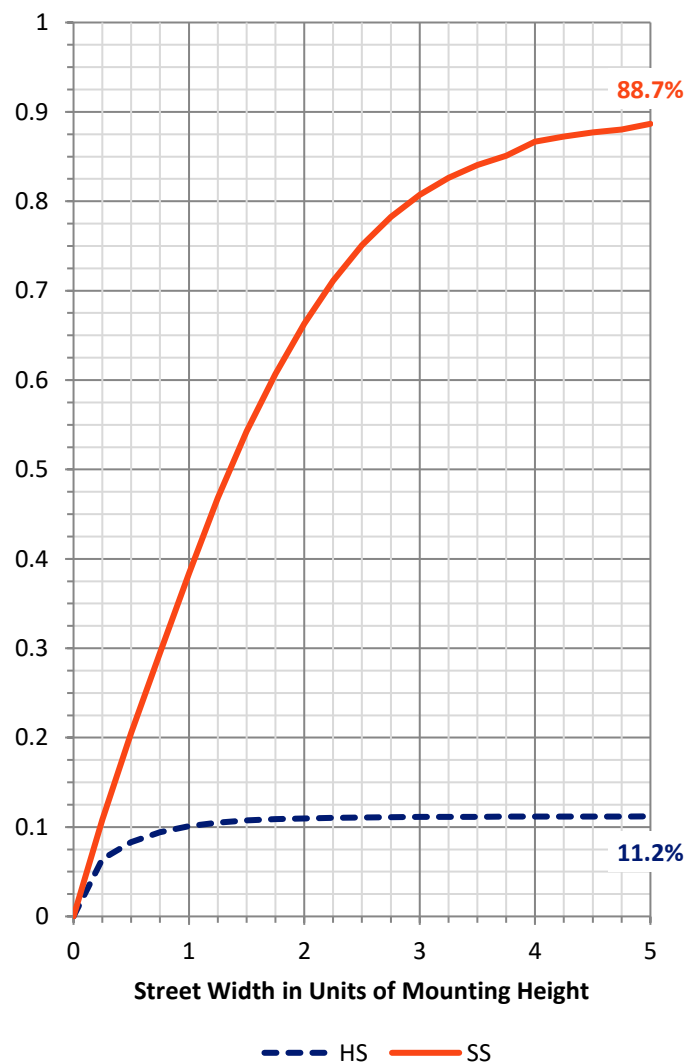
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2663.0	0.0	2663.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	20999.0	0.0	20999.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	23662.0	0.0	23662.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.8	1.2
10°-20°	659.3	2.8
20°-30°	1070.9	4.5
30°-40°	1786.9	7.6
40°-50°	3380.8	14.3
50°-60°	5372.0	22.7
60°-70°	6645.6	28.1
70°-80°	4130.9	17.5
80°-90°	333.8	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°	23662.0	100.0
0°-180°	23662.0	100.0

Coefficient of Utilization



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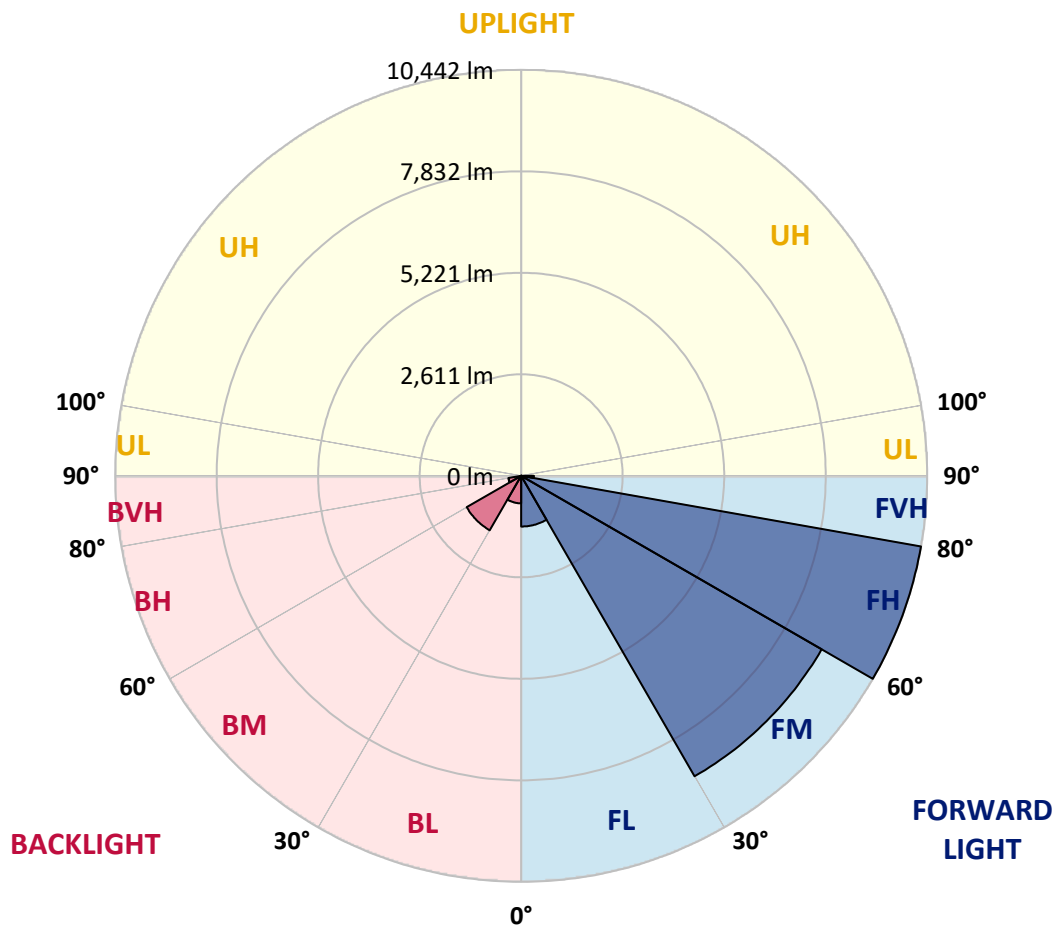
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1304.4	5.5			
FM	(30°-60°)	8922.9	37.7			
FH	(60°-80°)	10442.3	44.1			G4/12000
FVH	(80°-90°)	329.3	1.4			G3/500
BL	(0°-30°)	707.6	3.0	B2/1000		
BM	(30°-60°)	1616.7	6.8	B2/2500		
BH	(60°-80°)	334.2	1.4	B1/500		G1/500
BVH	(80°-90°)	4.5	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°	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4
2.5°	3276.8	3304.6	3309.8	3318.5	3318.5	3328.9	3346.2	3370.5	3410.3	3431.2
5°	3020.2	3041.1	3067.1	3087.9	3127.7	3132.9	3200.6	3266.4	3358.3	3427.7
7.5°	2761.9	2786.2	2820.9	2871.1	2923.2	2938.8	3041.1	3152.0	3297.6	3427.7
10°	2579.9	2581.6	2612.8	2663.1	2746.3	2765.4	2890.2	3048.0	3230.0	3406.9
12.5°	2477.6	2489.7	2503.6	2541.7	2621.5	2633.6	2767.1	2952.6	3162.4	3394.7
15°	2477.6	2486.2	2494.9	2514.0	2578.1	2588.5	2706.4	2891.9	3127.7	3399.9
17.5°	2503.6	2517.4	2510.5	2533.1	2600.7	2607.6	2711.6	2874.6	3126.0	3432.9
20°	2566.0	2576.4	2562.5	2576.4	2644.0	2657.9	2765.4	2907.5	3155.5	3490.1
22.5°	2664.8	2670.0	2637.1	2647.5	2716.8	2734.2	2859.0	3001.2	3226.6	3582.0
25°	2789.7	2800.1	2749.8	2761.9	2827.8	2848.6	2992.5	3141.6	3339.3	3708.6
27.5°	2933.6	2938.8	2895.4	2893.7	2978.6	3008.1	3153.7	3315.0	3490.1	3868.1
30°	3098.3	3113.9	3072.3	3065.3	3172.8	3197.1	3341.0	3528.2	3712.0	4107.3
32.5°	3228.3	3240.4	3216.2	3233.5	3342.7	3361.8	3568.1	3829.9	4060.5	4447.1
35°	3415.5	3422.5	3367.0	3398.2	3523.0	3571.6	3878.5	4253.0	4499.2	4873.7
37.5°	4093.5	4093.5	3857.7	3703.4	3823.0	3866.3	4303.2	4785.2	5040.1	5445.8
40°	5031.4	5015.8	4670.8	4355.3	4339.7	4424.6	4908.3	5456.2	5738.8	6132.4
42.5°	6031.8	6007.5	5537.7	5225.6	5173.6	5203.1	5607.0	6283.2	6571.0	6969.8
45°	6919.5	6912.6	6482.6	6063.0	5969.4	6063.0	6479.1	7250.7	7457.0	7876.6
47.5°	7663.3	7663.3	7349.5	7075.6	7027.0	7082.5	7659.8	8323.9	8304.8	8842.3
50°	8519.8	8512.9	8214.7	8096.8	8147.0	8225.1	9019.1	9454.3	9182.1	9790.7
52.5°	9119.7	9161.3	9059.0	9039.9	9296.5	9431.8	10399.2	10560.5	9967.5	10690.5
55°	9594.7	9643.3	9761.2	9894.7	10388.8	10565.7	11736.0	11609.4	10624.6	11470.7
57.5°	10267.4	10198.1	10380.1	10643.7	11442.9	11656.2	13031.1	12599.4	11153.4	12103.5
60°	11084.1	11094.5	11125.7	11458.6	12495.4	12769.3	14307.2	13535.6	11493.2	12491.9
62.5°	12065.4	12081.0	12145.1	12656.6	13908.4	14166.7	15666.4	14302.0	11649.3	12382.7
65°	11997.8	12063.6	12779.7	14529.1	16056.5	16311.4	17252.8	14839.4	11413.5	11384.0
67.5°	10929.8	11037.2	12235.3	16765.7	19295.2	19579.6	19170.4	14945.2	10395.7	8852.7
70°	9528.9	9567.0	11007.8	18776.8	23045.4	23333.2	20886.8	13781.8	7888.7	4937.8
72.5°	7441.4	7450.1	9140.5	19243.2	25080.9	25096.5	19539.7	10231.0	4242.6	1896.8
75°	5315.8	5263.8	6122.0	15605.8	22065.8	22242.7	14648.7	4799.1	1621.1	896.4
77.5°	2850.3	2907.5	3464.1	9254.9	15243.4	15545.1	7992.7	1383.6	825.3	610.3
80°	880.8	929.3	1420.0	4237.4	8634.2	8816.3	2963.0	615.5	575.6	435.2
82.5°	277.4	287.8	662.3	1780.6	3583.7	3666.9	858.2	348.5	393.6	287.8
85°	79.8	81.5	294.7	664.0	886.0	903.3	241.0	135.2	225.4	178.6
87.5°	8.7	27.7	111.0	111.0	78.0	76.3	26.0	29.5	64.1	22.5
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°
3429.4	0°	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4	3429.4
3445.0	2.5°	3436.4	3438.1	3415.5	3377.4	3335.8	3301.1	3257.8	3223.1	3198.8	3191.9
3476.2	5°	3460.6	3448.5	3384.3	3268.2	3129.5	3009.8	2876.3	2770.6	2701.2	2671.8
3509.2	7.5°	3497.0	3462.4	3321.9	3093.1	2827.8	2592.0	2352.7	2167.2	2049.3	1990.4
3540.4	10°	3528.2	3458.9	3217.9	2839.9	2434.2	2077.1	1754.6	1530.9	1406.1	1347.1
3576.8	12.5°	3557.7	3457.2	3082.7	2540.0	1990.4	1553.5	1253.5	1142.6	1107.9	1095.7
3635.7	15°	3613.2	3462.4	2912.8	2196.7	1548.3	1173.8	1064.5	1062.8	1069.7	1066.3
3725.9	17.5°	3689.5	3467.6	2720.3	1832.6	1194.6	1035.1	1029.9	1045.5	1055.9	1050.7
3838.6	20°	3788.3	3488.4	2515.7	1472.0	1026.4	1000.4	1012.5	1026.4	1035.1	1026.4
3989.4	22.5°	3927.0	3524.8	2292.1	1182.4	972.7	979.6	990.0	1005.6	1014.3	1002.1
4181.9	25°	4096.9	3582.0	2071.9	1028.1	946.6	955.3	970.9	988.3	998.7	986.5
4424.6	27.5°	4317.1	3673.9	1869.0	993.5	920.6	925.8	948.4	974.4	988.3	972.7
4769.6	30°	4636.1	3824.7	1693.9	1009.1	905.0	892.9	924.1	960.5	976.1	962.2
5239.5	32.5°	5059.2	4038.0	1586.4	1033.3	898.1	854.8	884.2	931.0	957.0	948.4
5853.2	35°	5614.0	4362.2	1544.8	1061.1	892.9	814.9	835.7	886.0	931.0	939.7
6626.5	37.5°	6286.7	4813.0	1556.9	1073.2	877.3	781.9	792.3	835.7	894.6	922.4
7496.9	40°	7051.3	5338.3	1626.3	1061.1	860.0	754.2	755.9	788.9	840.9	882.5
8433.1	42.5°	7840.2	5952.1	1754.6	1016.0	844.4	729.9	724.7	747.3	781.9	811.4
9367.6	45°	8590.9	6583.2	1881.2	953.6	825.3	705.6	693.5	702.2	709.1	721.3
10277.8	47.5°	9246.2	7027.0	1844.7	896.4	799.3	677.9	657.1	653.6	632.8	631.1
11091.0	50°	9698.8	7124.1	1638.4	839.1	761.1	646.7	613.8	593.0	556.5	539.2
11699.5	52.5°	9842.7	6740.9	1338.5	781.9	698.7	605.1	558.3	525.3	480.3	464.7
12049.8	55°	9652.0	5990.2	1069.7	712.6	612.0	549.6	497.6	454.3	417.8	398.8
12087.9	57.5°	9185.6	5034.9	846.1	631.1	520.1	487.2	435.2	391.8	360.6	341.6
11664.9	60°	8412.3	3998.1	669.2	534.0	443.8	419.6	365.8	338.1	310.3	287.8
10572.6	62.5°	7238.5	2853.8	525.3	423.0	371.0	343.3	312.1	291.3	258.3	227.1
8608.2	65°	5648.7	1745.9	405.7	310.3	298.2	284.3	265.3	246.2	206.3	175.1
5615.7	67.5°	3562.9	827.0	289.5	234.1	235.8	228.9	220.2	204.6	175.1	147.4
2515.7	70°	1569.1	400.5	190.7	178.6	175.1	175.1	182.0	176.8	149.1	123.1
873.8	72.5°	534.0	215.0	142.2	135.2	126.6	124.8	152.6	147.4	119.6	95.4
435.2	75°	279.1	143.9	104.0	97.1	76.3	91.9	121.4	114.4	85.0	62.4
287.8	77.5°	182.0	102.3	71.1	62.4	43.3	60.7	90.2	79.8	50.3	31.2
189.0	80°	114.4	67.6	41.6	29.5	20.8	32.9	48.5	34.7	19.1	6.9
111.0	82.5°	60.7	34.7	15.6	10.4	8.7	10.4	12.1	8.7	3.5	0.0
57.2	85°	24.3	12.1	5.2	3.5	1.7	0.0	3.5	1.7	0.0	0.0
10.4	87.5°	8.7	1.7	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°
3429.4
3204.0
2682.2
1999.0
1348.9
1092.3
1064.5
1048.9
1024.7
1000.4
984.8
972.7
960.5
948.4
939.7
929.3
896.4
823.5
728.2
629.4
540.9
462.9
398.8
338.1
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221.9
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