

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: P852912

Luminaire Tested: **GLAN-SB7B-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852912
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-SB7B-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 450mA 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: 24175 lumens
Efficiency: N/A
Efficacy: 94.2 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

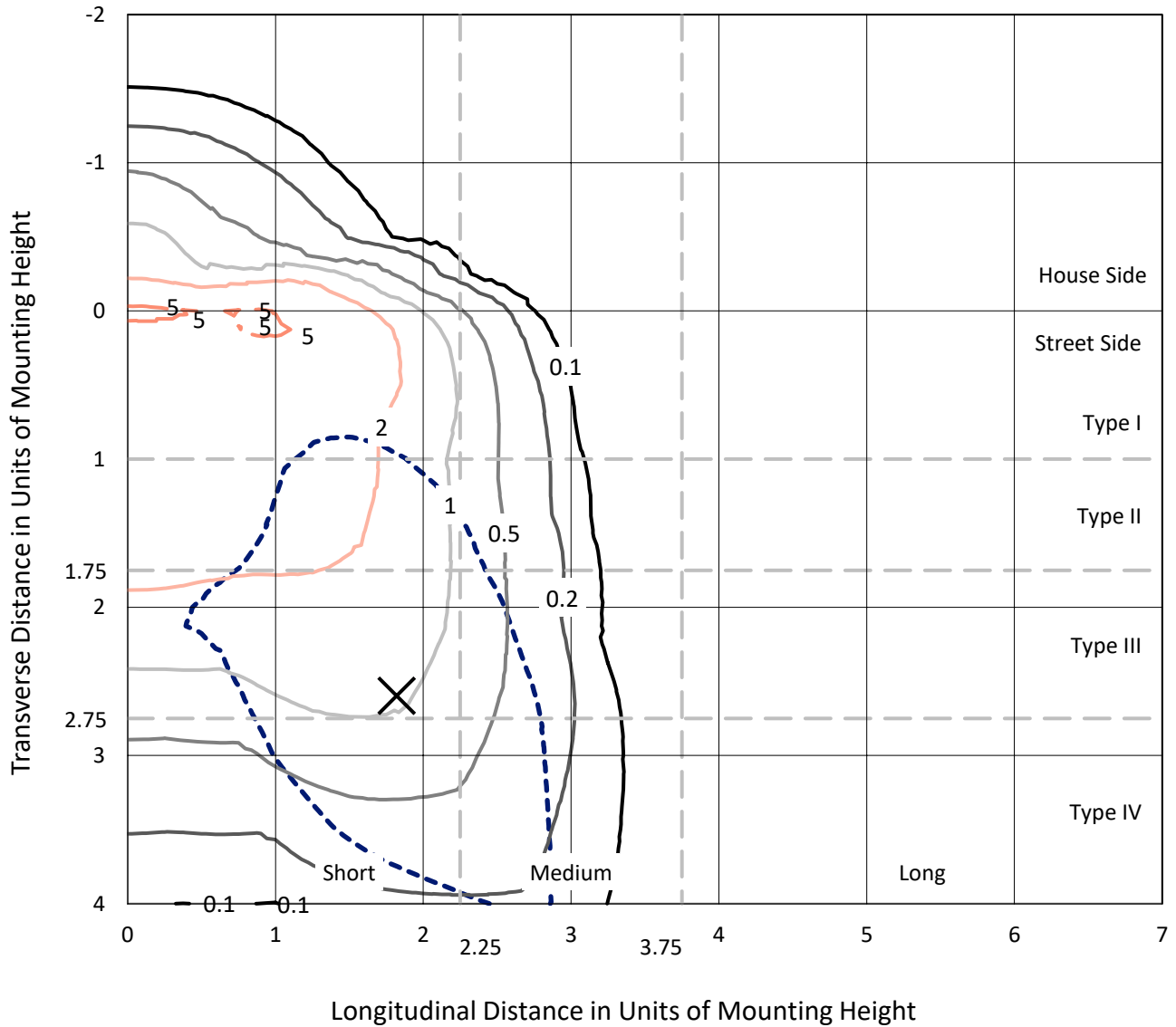
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

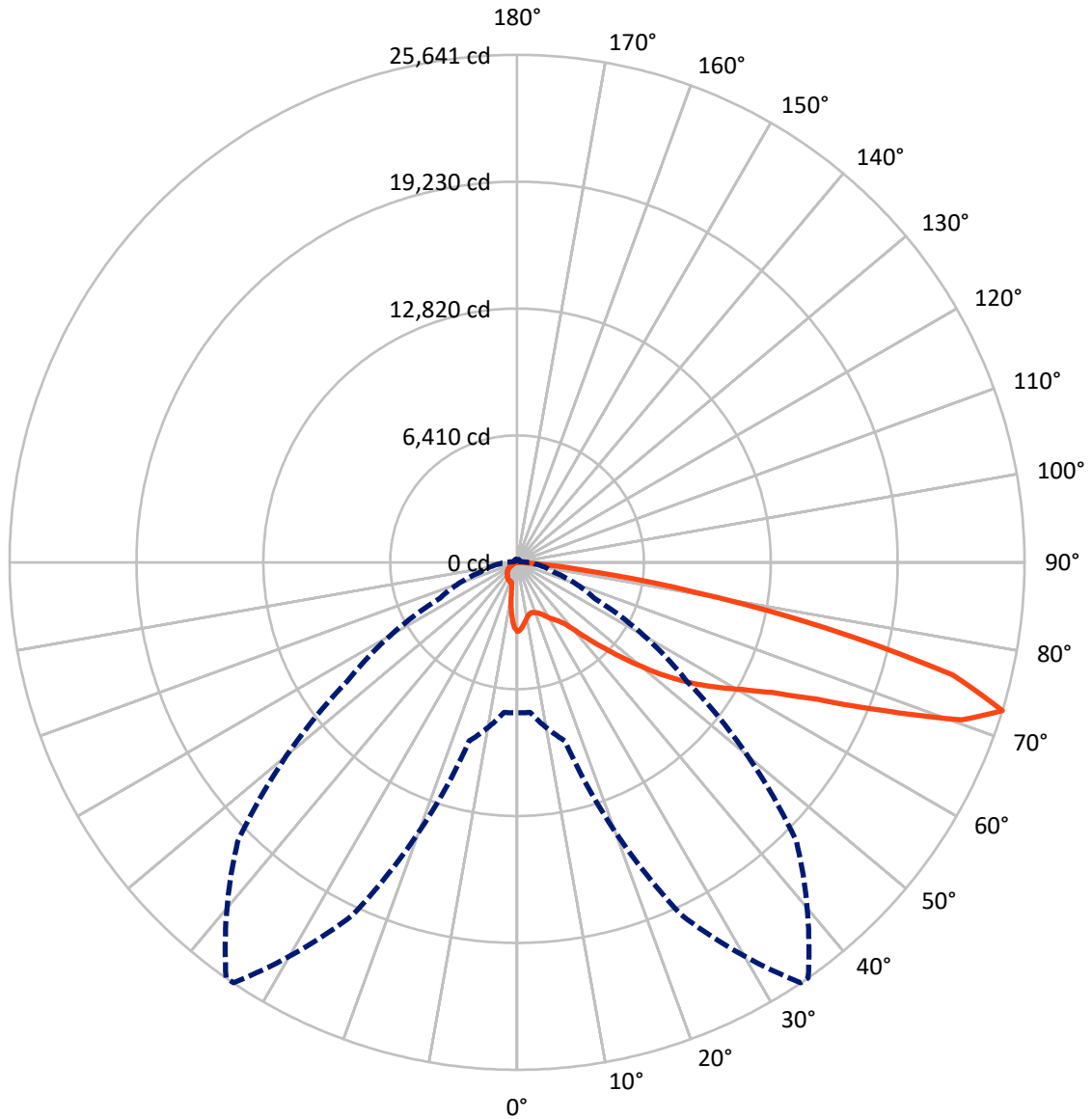
× Max cd
 - - - 1/2 Max cd



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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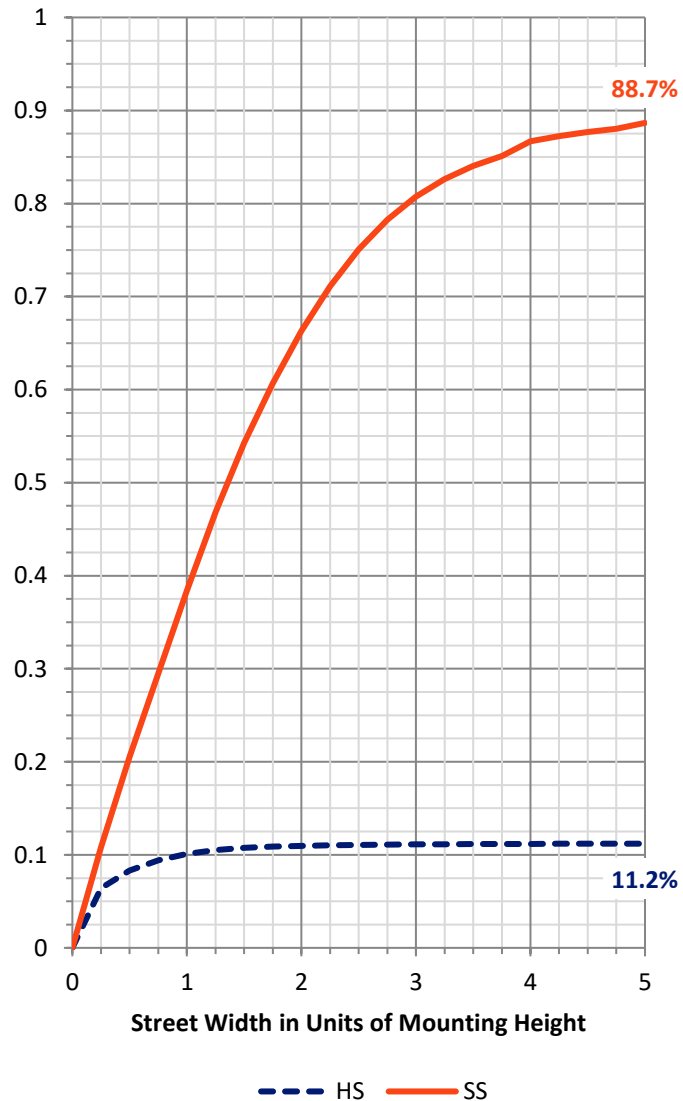
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2720.8	0.0	2720.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21454.2	0.0	21454.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	24175.0	0.0	24175.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.9	1.2
10°-20°	673.5	2.8
20°-30°	1094.2	4.5
30°-40°	1825.6	7.6
40°-50°	3454.1	14.3
50°-60°	5488.5	22.7
60°-70°	6789.6	28.1
70°-80°	4220.5	17.5
80°-90°	341.1	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°	24175.0	100.0
0°-180°	24175.0	100.0

Coefficient of Utilization



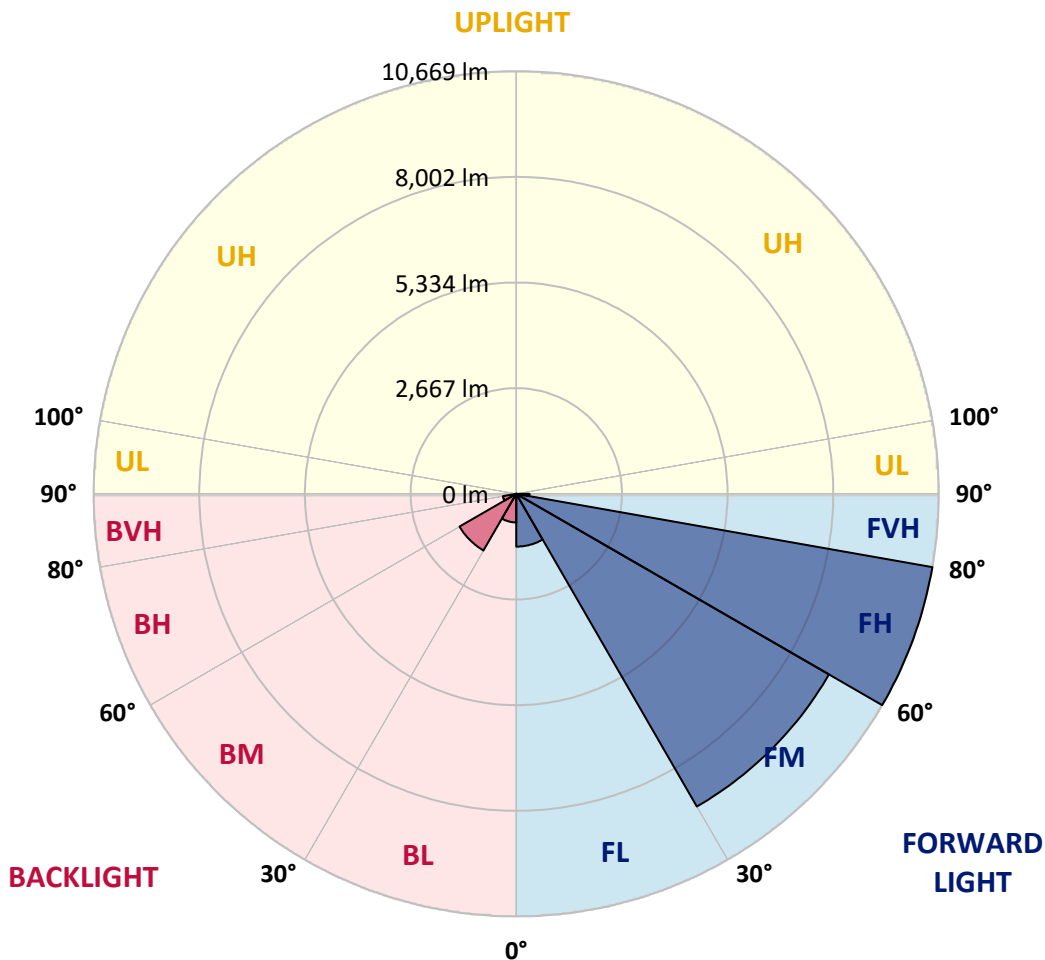
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1332.7	5.5			
FM (30°-60°)	9116.4	37.7			
FH (60°-80°)	10668.7	44.1			G4/12000
FVH (80°-90°)	336.4	1.4			G3/500
BL (0°-30°)	723.0	3.0	B2/1000		
BM (30°-60°)	1651.8	6.8	B2/2500		
BH (60°-80°)	341.4	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°	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8
2.5°	3347.9	3376.2	3381.5	3390.4	3390.4	3401.0	3418.7	3443.5	3484.3	3505.5
5°	3085.7	3107.0	3133.6	3154.8	3195.5	3200.9	3269.9	3337.3	3431.1	3502.0
7.5°	2821.8	2846.6	2882.0	2933.4	2986.5	3002.5	3107.0	3220.3	3369.1	3502.0
10°	2635.8	2637.6	2669.5	2720.8	2805.8	2825.3	2952.9	3114.1	3300.1	3480.7
12.5°	2531.3	2543.7	2557.9	2596.8	2678.3	2690.7	2827.1	3016.6	3231.0	3468.3
15°	2531.3	2540.1	2549.0	2568.5	2634.0	2644.7	2765.1	2954.6	3195.5	3473.7
17.5°	2557.9	2572.0	2564.9	2588.0	2657.1	2664.1	2770.4	2936.9	3193.8	3507.3
20°	2621.6	2632.3	2618.1	2632.3	2701.3	2715.5	2825.3	2970.6	3223.9	3565.8
22.5°	2722.6	2727.9	2694.3	2704.9	2775.7	2793.4	2921.0	3066.2	3296.5	3659.6
25°	2850.1	2860.8	2809.4	2821.8	2889.1	2910.4	3057.4	3209.7	3411.7	3789.0
27.5°	2997.2	3002.5	2958.2	2956.4	3043.2	3073.3	3222.1	3386.9	3565.8	3951.9
30°	3165.4	3181.4	3138.9	3131.8	3241.6	3266.4	3413.4	3604.7	3792.5	4196.4
32.5°	3298.3	3310.7	3285.9	3303.6	3415.2	3434.7	3645.5	3913.0	4148.5	4543.6
35°	3489.6	3496.7	3440.0	3471.9	3599.4	3649.0	3962.6	4345.2	4596.7	4979.3
37.5°	4182.2	4182.2	3941.3	3783.6	3905.9	3950.2	4396.5	4889.0	5149.4	5563.9
40°	5140.5	5124.6	4772.1	4449.7	4433.7	4520.5	5014.7	5574.5	5863.2	6265.3
42.5°	6162.6	6137.8	5657.8	5338.9	5285.8	5315.9	5728.6	6419.4	6713.5	7120.9
45°	7069.5	7062.4	6623.1	6194.5	6098.8	6194.5	6619.6	7407.9	7618.7	8047.3
47.5°	7829.5	7829.5	7508.8	7229.0	7179.4	7236.0	7825.9	8504.3	8484.9	9034.0
50°	8704.5	8697.4	8392.7	8272.3	8323.7	8403.4	9214.7	9659.3	9381.2	10002.9
52.5°	9317.4	9359.9	9255.4	9235.9	9498.1	9636.2	10624.7	10789.4	10183.6	10922.3
55°	9802.8	9852.4	9972.8	10109.2	10614.0	10794.7	11990.4	11861.1	10854.9	11719.4
57.5°	10490.0	10419.2	10605.2	10874.4	11691.0	11908.9	13313.6	12872.5	11395.2	12365.9
60°	11324.4	11335.0	11366.9	11707.0	12766.3	13046.1	14617.3	13829.1	11742.4	12762.7
62.5°	12327.0	12342.9	12408.4	12931.0	14209.9	14473.9	16006.1	14612.0	11901.8	12651.1
65°	12257.9	12325.2	13056.8	14844.1	16404.6	16665.0	17626.9	15161.1	11660.9	11630.8
67.5°	11166.7	11276.5	12500.6	17129.1	19713.6	20004.1	19586.0	15269.2	10621.1	9044.6
70°	9735.4	9774.4	11246.4	19183.9	23545.0	23839.1	21339.7	14080.6	8059.7	5044.9
72.5°	7602.7	7611.6	9338.7	19660.4	25624.6	25640.6	19963.3	10452.8	4334.5	1937.9
75°	5431.0	5377.9	6254.7	15944.1	22544.2	22724.9	14966.3	4903.1	1656.2	915.8
77.5°	2912.1	2970.6	3539.2	9455.6	15573.9	15882.1	8166.0	1413.6	843.2	623.5
80°	899.9	949.5	1450.8	4329.2	8821.4	9007.4	3027.3	628.8	588.1	444.6
82.5°	283.4	294.0	676.7	1819.2	3661.4	3746.4	876.8	356.0	402.1	294.0
85°	81.5	83.3	301.1	678.4	905.2	922.9	246.2	138.2	230.3	182.5
87.5°	8.9	28.3	113.4	113.4	79.7	77.9	26.6	30.1	65.5	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°
3503.8	0°	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8	3503.8
3519.7	2.5°	3510.9	3512.6	3489.6	3450.6	3408.1	3372.7	3328.4	3293.0	3268.2	3261.1
3551.6	5°	3535.7	3523.3	3457.7	3339.0	3197.3	3075.1	2938.7	2830.6	2759.8	2729.7
3585.3	7.5°	3572.9	3537.4	3393.9	3160.1	2889.1	2648.2	2403.7	2214.2	2093.8	2033.5
3617.1	10°	3604.7	3533.9	3287.7	2901.5	2487.0	2122.1	1792.6	1564.1	1436.6	1376.4
3654.3	12.5°	3634.8	3532.1	3149.5	2595.1	2033.5	1587.1	1280.7	1167.3	1131.9	1119.5
3714.6	15°	3691.5	3537.4	2975.9	2244.3	1581.8	1199.2	1087.6	1085.8	1092.9	1089.4
3806.7	17.5°	3769.5	3542.7	2779.3	1872.3	1220.5	1057.5	1052.2	1068.1	1078.8	1073.4
3921.8	20°	3870.4	3564.0	2570.3	1503.9	1048.7	1022.1	1034.5	1048.7	1057.5	1048.7
4075.9	22.5°	4012.2	3601.2	2341.7	1208.1	993.7	1000.8	1011.5	1027.4	1036.3	1023.9
4272.5	25°	4185.7	3659.6	2116.8	1050.4	967.2	976.0	992.0	1009.7	1020.3	1007.9
4520.5	27.5°	4410.7	3753.5	1909.5	1015.0	940.6	945.9	968.9	995.5	1009.7	993.7
4873.0	30°	4736.6	3907.6	1730.6	1030.9	924.7	912.3	944.1	981.3	997.3	983.1
5353.1	32.5°	5168.9	4125.5	1620.8	1055.7	917.6	873.3	903.4	951.2	977.8	968.9
5980.1	35°	5735.7	4456.8	1578.3	1084.1	912.3	832.5	853.8	905.2	951.2	960.1
6770.2	37.5°	6423.0	4917.3	1590.7	1096.5	896.3	798.9	809.5	853.8	914.0	942.4
7659.4	40°	7204.2	5454.0	1661.5	1084.1	878.6	770.5	772.3	806.0	859.1	901.6
8615.9	42.5°	8010.1	6081.1	1792.6	1038.0	862.7	745.7	740.4	763.5	798.9	829.0
9570.7	45°	8777.1	6725.9	1921.9	974.3	843.2	720.9	708.5	717.4	724.5	736.9
10500.7	47.5°	9446.7	7179.4	1884.7	915.8	816.6	692.6	671.3	667.8	646.5	644.8
11331.4	50°	9909.0	7278.6	1673.9	857.3	777.6	660.7	627.1	605.8	568.6	550.9
11953.2	52.5°	10056.1	6887.1	1367.5	798.9	713.9	618.2	570.4	536.7	490.7	474.7
12311.0	55°	9861.2	6120.1	1092.9	728.0	625.3	561.5	508.4	464.1	426.9	407.4
12350.0	57.5°	9384.7	5144.1	864.4	644.8	531.4	497.8	444.6	400.3	368.4	349.0
11917.8	60°	8594.7	4084.8	683.7	545.6	453.5	428.7	373.8	345.4	317.1	294.0
10801.8	62.5°	7395.5	2915.7	536.7	432.2	379.1	350.7	318.8	297.6	263.9	232.0
8794.8	65°	5771.1	1783.8	414.5	317.1	304.7	290.5	271.0	251.5	210.8	178.9
5737.5	67.5°	3640.2	844.9	295.8	239.1	240.9	233.8	225.0	209.0	178.9	150.6
2570.3	70°	1603.1	409.2	194.9	182.5	178.9	178.9	186.0	180.7	152.3	125.8
892.8	72.5°	545.6	219.6	145.3	138.2	129.3	127.5	155.9	150.6	122.2	97.4
444.6	75°	285.2	147.0	106.3	99.2	77.9	93.9	124.0	116.9	86.8	63.8
294.0	77.5°	186.0	104.5	72.6	63.8	44.3	62.0	92.1	81.5	51.4	31.9
193.1	80°	116.9	69.1	42.5	30.1	21.3	33.7	49.6	35.4	19.5	7.1
113.4	82.5°	62.0	35.4	15.9	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°
3503.8
3273.5
2740.3
2042.4
1378.1
1116.0
1087.6
1071.7
1046.9
1022.1
1006.1
993.7
981.3
968.9
960.1
949.5
915.8
841.4
744.0
643.0
552.7
473.0
407.4
345.4
288.7
226.7
173.6
147.0
120.5
92.1
58.5
28.3
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