

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: P852879

Luminaire Tested: **GLAN-SB7A-827-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852879  
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-SB7A-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25140 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

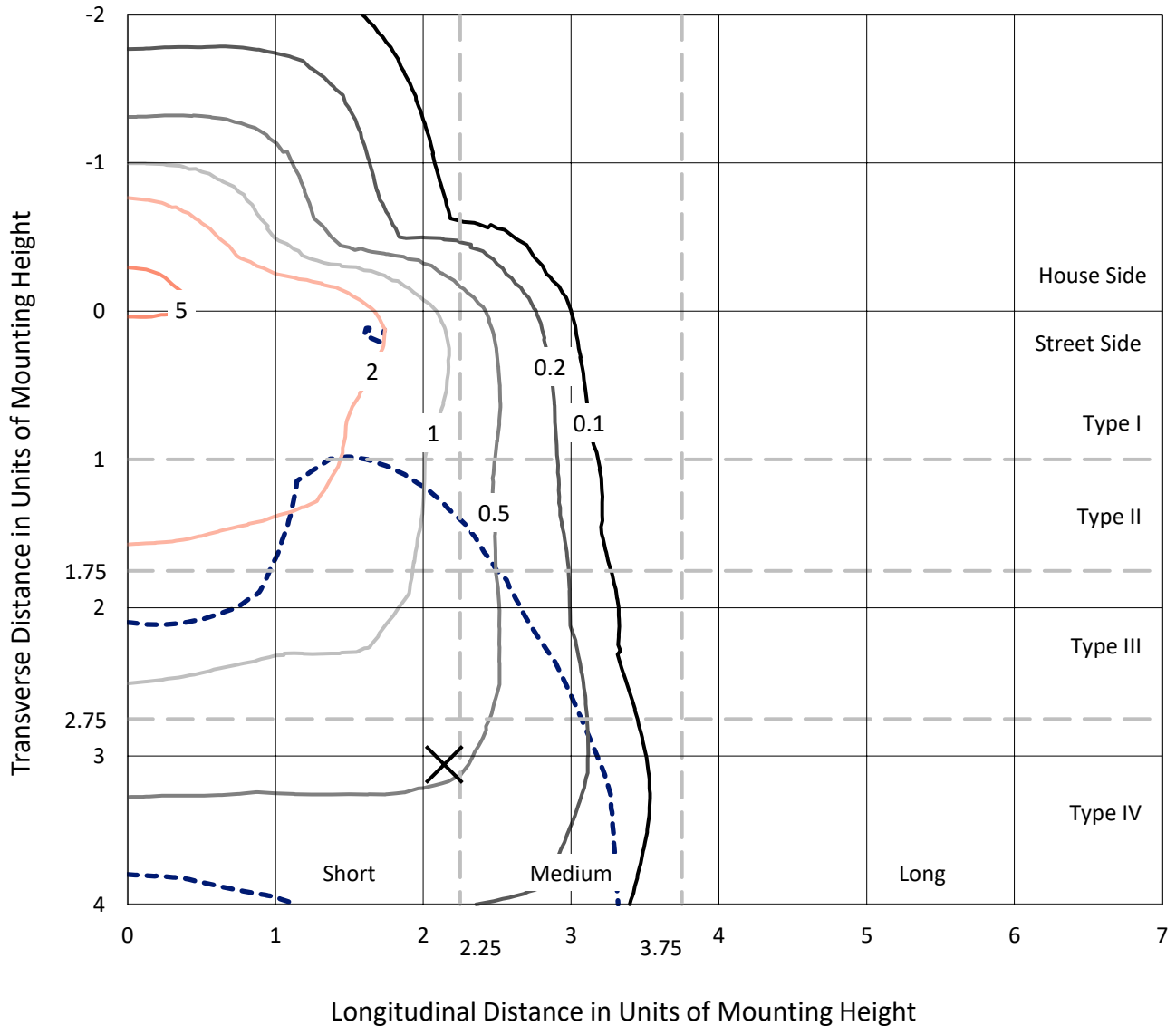
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

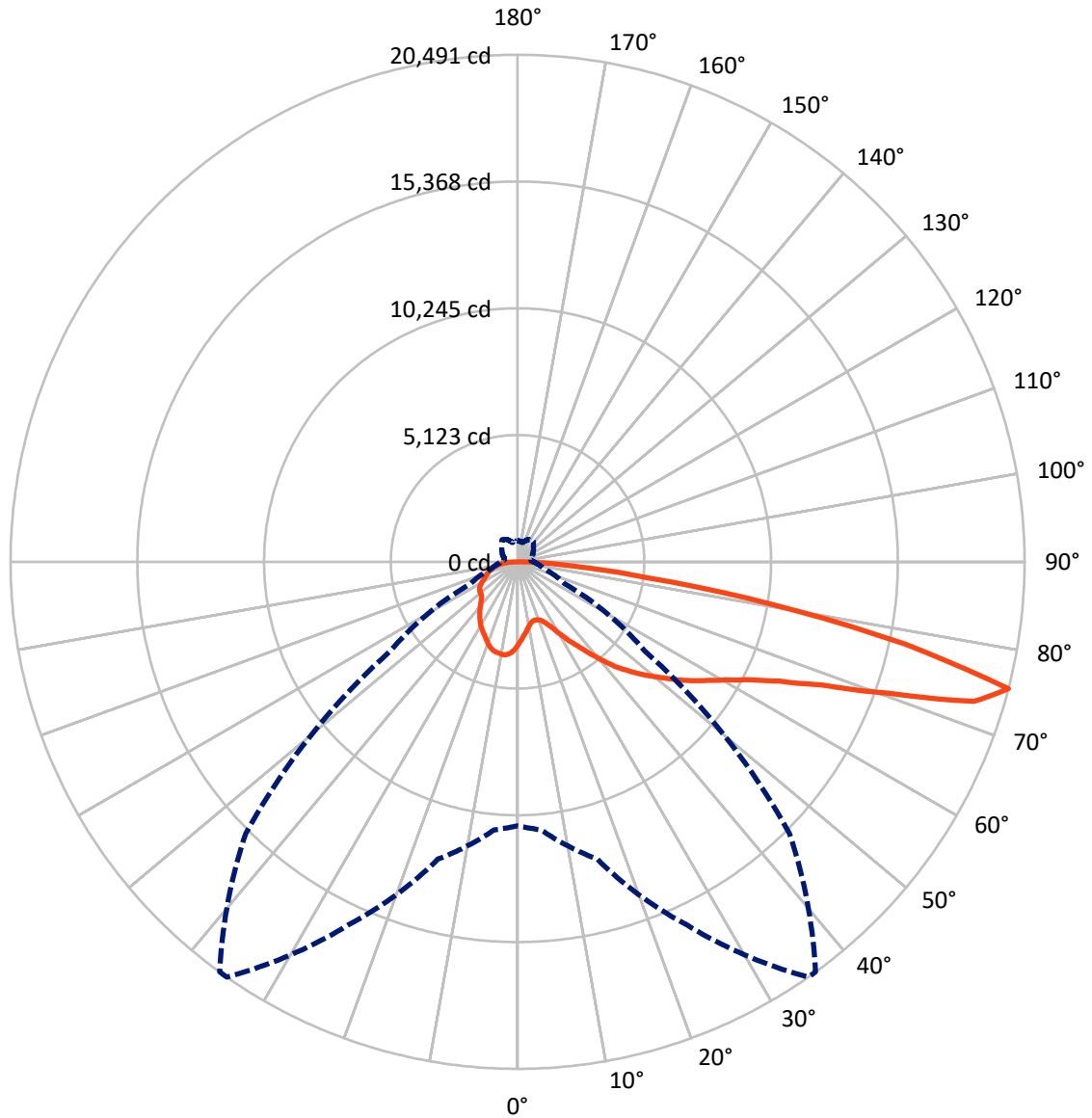
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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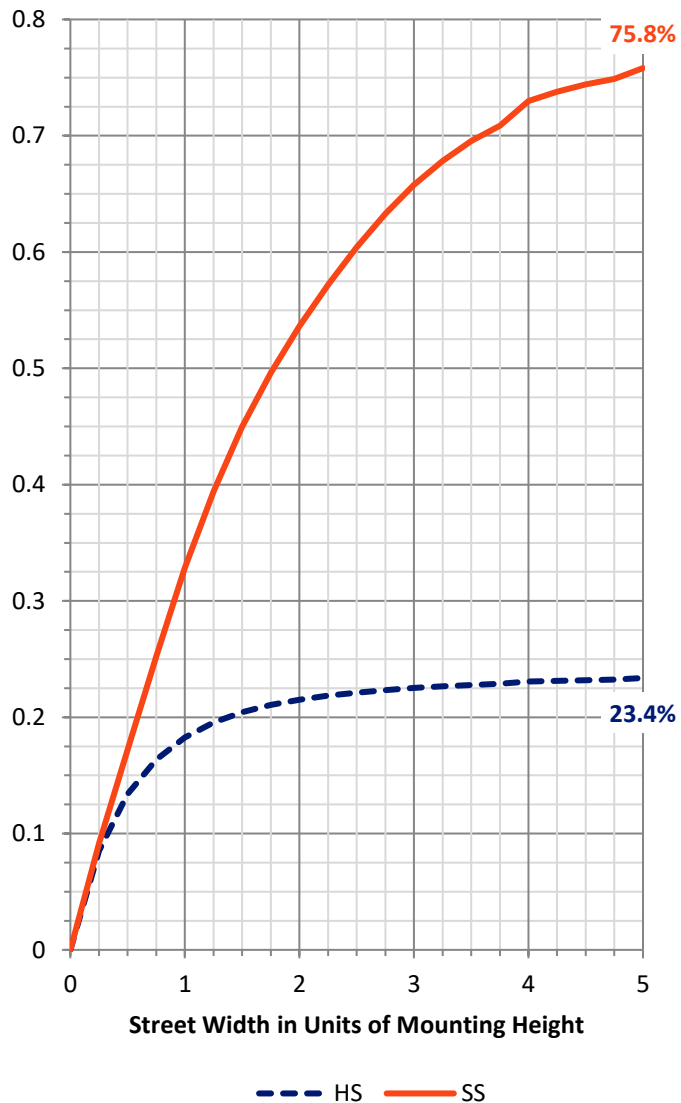
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5982.7	0.0	5982.7
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	19157.3	0.0	19157.3
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	25140.0	0.0	25140.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.2	1.3
10°-20°	914.9	3.6
20°-30°	1536.4	6.1
30°-40°	2387.7	9.5
40°-50°	3544.0	14.1
50°-60°	4892.7	19.5
60°-70°	5936.0	23.6
70°-80°	4905.6	19.5
80°-90°	705.6	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°	25140.0	100.0
0°-180°	25140.0	100.0

**Coefficient of Utilization**

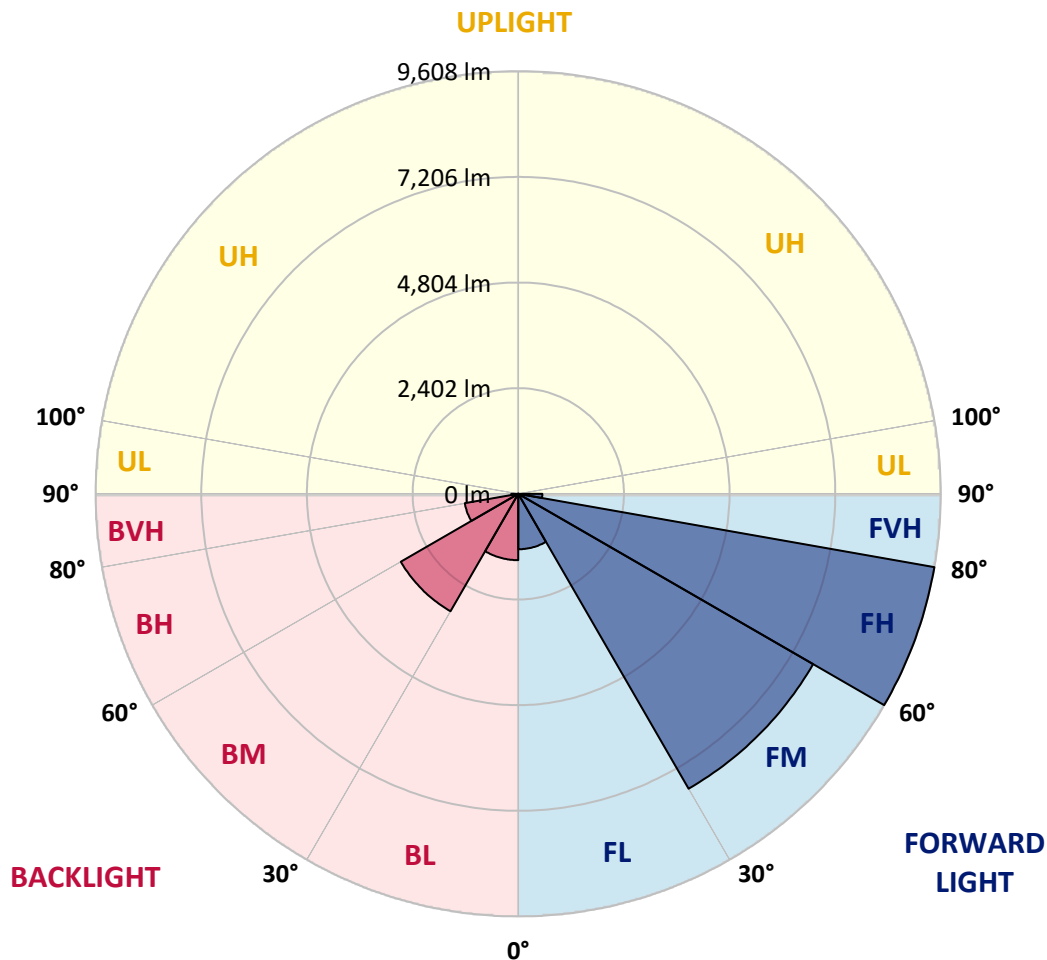


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1260.7	5.0			
FM (30°-60°)	7741.8	30.8			
FH (60°-80°)	9608.1	38.2			G4/12000
FVH (80°-90°)	546.7	2.2			G4/750
BL (0°-30°)	1507.7	6.0	B3/2500		
BM (30°-60°)	3082.6	12.3	B3/5000		
BH (60°-80°)	1233.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	158.9	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°	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1
2.5°	3089.1	3108.2	3116.3	3112.2	3132.6	3129.9	3158.4	3193.8	3242.7	3290.3
5°	2851.3	2871.7	2889.4	2905.7	2945.1	2957.3	3002.2	3070.1	3159.8	3250.9
7.5°	2629.8	2647.4	2674.6	2704.5	2771.1	2783.3	2858.1	2964.1	3089.1	3222.3
10°	2449.0	2466.7	2495.2	2529.2	2612.1	2627.1	2722.2	2863.5	3026.6	3195.1
12.5°	2371.6	2377.0	2393.3	2427.3	2499.3	2508.8	2613.5	2775.2	2965.5	3174.8
15°	2367.5	2378.3	2379.7	2397.4	2457.2	2461.3	2557.7	2718.1	2927.4	3170.7
17.5°	2408.2	2416.4	2404.2	2415.0	2465.3	2472.1	2548.2	2690.9	2915.2	3188.3
20°	2517.0	2523.8	2487.1	2472.1	2508.8	2514.3	2589.0	2708.6	2927.4	3225.0
22.5°	2748.0	2752.1	2662.4	2601.2	2604.0	2606.7	2671.9	2780.6	2975.0	3291.6
25°	3108.2	3105.4	2962.7	2844.5	2776.6	2761.6	2805.1	2897.5	3055.2	3380.0
27.5°	3529.5	3509.1	3366.4	3189.7	3041.6	3019.8	3010.3	3049.7	3169.3	3496.9
30°	4005.1	3986.1	3832.5	3601.5	3396.3	3360.9	3271.2	3250.9	3339.2	3655.9
32.5°	4527.0	4514.8	4331.3	4051.3	3776.8	3736.0	3585.2	3530.8	3600.1	3896.4
35°	4964.6	4953.8	4801.5	4513.4	4177.7	4127.5	3973.9	3912.7	3948.1	4204.9
37.5°	5360.1	5354.7	5224.2	4997.3	4650.7	4589.5	4416.9	4396.5	4389.8	4611.3
40°	5727.1	5713.5	5577.6	5458.0	5201.1	5145.4	4993.2	4975.5	4923.9	5111.4
42.5°	6133.4	6098.1	5901.0	5845.3	5776.0	5729.8	5638.7	5641.4	5527.3	5675.4
45°	6465.0	6444.6	6242.1	6209.5	6284.3	6265.3	6344.1	6364.5	6142.9	6266.6
47.5°	6821.1	6802.1	6630.8	6607.7	6810.2	6815.7	7094.3	7101.1	6743.6	6880.9
50°	7260.1	7232.9	7063.0	7091.6	7318.5	7338.9	7848.6	7802.3	7296.8	7504.7
52.5°	7549.6	7565.9	7529.2	7575.4	7885.2	7904.3	8590.6	8472.4	7844.5	8120.4
55°	7762.9	7795.5	7909.7	8015.7	8483.2	8502.3	9290.5	9109.8	8298.4	8691.2
57.5°	8037.5	7991.3	8204.6	8411.2	9051.3	9101.6	9971.4	9724.1	8700.7	9183.1
60°	8431.6	8399.0	8564.8	8870.6	9687.4	9767.5	10691.7	10277.2	8995.6	9573.2
62.5°	9230.7	9149.2	9175.0	9445.4	10489.2	10595.2	11504.4	10759.7	9142.4	9725.4
65°	10425.3	10285.3	10154.9	10342.4	11618.6	11723.2	12421.8	11138.8	9088.0	9430.5
67.5°	11929.8	11791.2	11630.8	11807.5	13282.1	13365.0	13553.9	11352.2	8659.9	8294.3
70°	13170.6	13119.0	13310.6	14037.7	15939.0	15941.7	15005.3	11175.5	7487.0	5880.6
72.5°	13006.2	12974.9	13984.7	16232.6	19287.7	19215.7	16379.4	9838.2	5043.5	2652.9
75°	10670.0	10872.5	12436.7	16193.2	20490.5	20481.0	15538.1	6254.4	2086.2	1099.5
77.5°	5721.6	6042.4	8074.2	11955.6	15996.1	16236.7	10924.1	2188.1	895.6	704.0
80°	1866.0	2146.0	3218.2	6087.2	10394.1	10349.2	4682.0	858.9	612.9	498.8
82.5°	792.3	824.9	1437.9	2874.4	5334.3	5251.4	1490.9	493.3	430.8	341.1
85°	309.9	346.6	634.7	1329.2	2310.4	2260.1	538.2	244.6	275.9	222.9
87.5°	101.9	123.7	227.0	455.3	718.9	693.1	131.8	84.3	119.6	101.9
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°
3350.1	0°	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1	3350.1
3359.6	2.5°	3378.6	3400.4	3426.2	3464.2	3496.9	3524.0	3552.6	3570.2	3577.0	3597.4
3365.0	5°	3403.1	3450.6	3514.5	3577.0	3638.2	3674.9	3707.5	3723.8	3738.8	3749.6
3380.0	7.5°	3443.8	3505.0	3605.6	3687.1	3738.8	3768.7	3790.4	3785.0	3790.4	3793.1
3396.3	10°	3479.2	3564.8	3684.4	3761.9	3801.3	3802.6	3797.2	3778.2	3768.7	3770.0
3420.7	12.5°	3521.3	3616.5	3745.6	3810.8	3821.7	3791.8	3768.7	3736.0	3723.8	3718.4
3457.4	15°	3578.4	3687.1	3812.2	3836.6	3809.4	3771.4	3732.0	3679.0	3651.8	3630.0
3520.0	17.5°	3647.7	3767.3	3863.8	3846.1	3787.7	3725.2	3661.3	3581.1	3525.4	3502.3
3605.6	20°	3744.2	3851.6	3903.2	3825.7	3737.4	3642.3	3533.5	3435.7	3384.1	3360.9
3714.3	22.5°	3861.1	3964.4	3941.3	3790.4	3665.4	3513.2	3377.3	3305.2	3279.4	3263.1
3854.3	25°	4001.1	4089.4	3968.4	3738.8	3547.1	3341.9	3237.3	3214.2	3201.9	3189.7
4025.5	27.5°	4183.2	4230.7	3988.8	3662.7	3362.3	3159.8	3121.8	3125.8	3121.8	3101.4
4263.4	30°	4423.7	4414.2	4007.9	3539.0	3150.3	2995.4	2998.1	3015.7	3018.5	3004.9
4595.0	32.5°	4740.4	4643.9	4017.4	3378.6	2947.8	2851.3	2854.0	2873.0	2886.6	2863.5
5028.5	35°	5123.6	4911.6	4002.4	3177.5	2791.5	2714.0	2693.7	2699.1	2703.2	2681.4
5554.5	37.5°	5570.8	5212.0	3935.8	2954.6	2662.4	2579.5	2536.0	2499.3	2477.6	2457.2
6149.7	40°	6061.4	5539.5	3813.5	2737.1	2518.3	2436.8	2371.6	2302.2	2228.9	2201.7
6780.3	42.5°	6575.1	5876.6	3665.4	2529.2	2352.5	2285.9	2216.6	2116.1	2006.0	1950.2
7435.4	45°	7107.9	6221.8	3520.0	2324.0	2182.6	2154.1	2073.9	1953.0	1833.4	1762.7
8091.8	47.5°	7629.7	6547.9	3306.6	2117.4	2023.6	2054.9	1992.4	1880.9	1747.7	1636.3
8742.8	50°	8128.5	6853.7	2957.3	1908.1	1894.5	2025.0	1965.2	1804.8	1652.6	1509.9
9381.6	52.5°	8623.2	7101.1	2510.2	1717.8	1825.2	2016.8	1929.9	1753.2	1567.0	1417.5
9982.3	55°	9043.2	7228.8	2079.4	1554.8	1724.6	1947.5	1887.7	1692.0	1446.0	1287.0
10394.1	57.5°	9282.4	7125.5	1720.6	1394.4	1586.0	1833.4	1815.7	1561.6	1302.0	1179.7
10474.3	60°	9179.1	6706.9	1427.0	1254.4	1454.2	1709.7	1690.7	1432.4	1191.9	1076.4
10044.8	62.5°	8609.6	5909.2	1194.6	1132.1	1334.6	1583.3	1565.6	1333.2	1107.6	996.2
8904.5	65°	7462.6	4807.0	1013.9	1030.2	1213.6	1431.1	1456.9	1250.3	1041.0	932.3
6889.1	67.5°	5691.7	3481.9	872.5	941.8	1095.4	1281.6	1356.3	1190.5	985.3	882.0
3986.1	70°	3244.1	1977.4	752.9	856.2	990.8	1143.0	1278.9	1143.0	925.5	839.9
1493.6	72.5°	1229.9	907.8	651.0	770.6	890.2	1026.1	1193.3	1068.2	856.2	792.3
771.9	75°	656.4	553.1	547.7	670.0	774.7	911.9	1085.9	994.8	804.6	837.2
534.1	77.5°	447.1	391.4	458.0	573.5	648.3	785.5	971.7	883.4	697.2	694.5
369.7	80°	309.9	277.2	372.4	462.1	501.5	660.5	848.1	758.4	568.1	530.0
228.3	82.5°	186.2	180.8	278.6	345.2	354.7	509.6	702.6	636.0	464.8	405.0
135.9	85°	101.9	107.4	178.0	202.5	206.6	356.1	550.4	492.0	357.4	300.4
48.9	87.5°	28.5	36.7	65.2	80.2	99.2	184.8	327.5	292.2	179.4	125.0
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°
3350.1
3596.1
3752.4
3797.2
3772.7
3715.7
3636.8
3503.6
3358.2
3265.8
3189.7
3105.4
3011.7
2874.4
2696.4
2470.8
2213.9
1957.0
1757.3
1624.1
1497.7
1401.2
1273.4
1163.4
1060.1
978.5
914.6
865.7
829.0
781.5
864.4
640.1
506.9
407.7
303.1
125.0
0.0

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