

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: P852647

Luminaire Tested: **GLAN-SB5B-840-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852647  
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-SB5B-840-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25002 lumens  
Efficiency: N/A  
Efficacy: 136.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

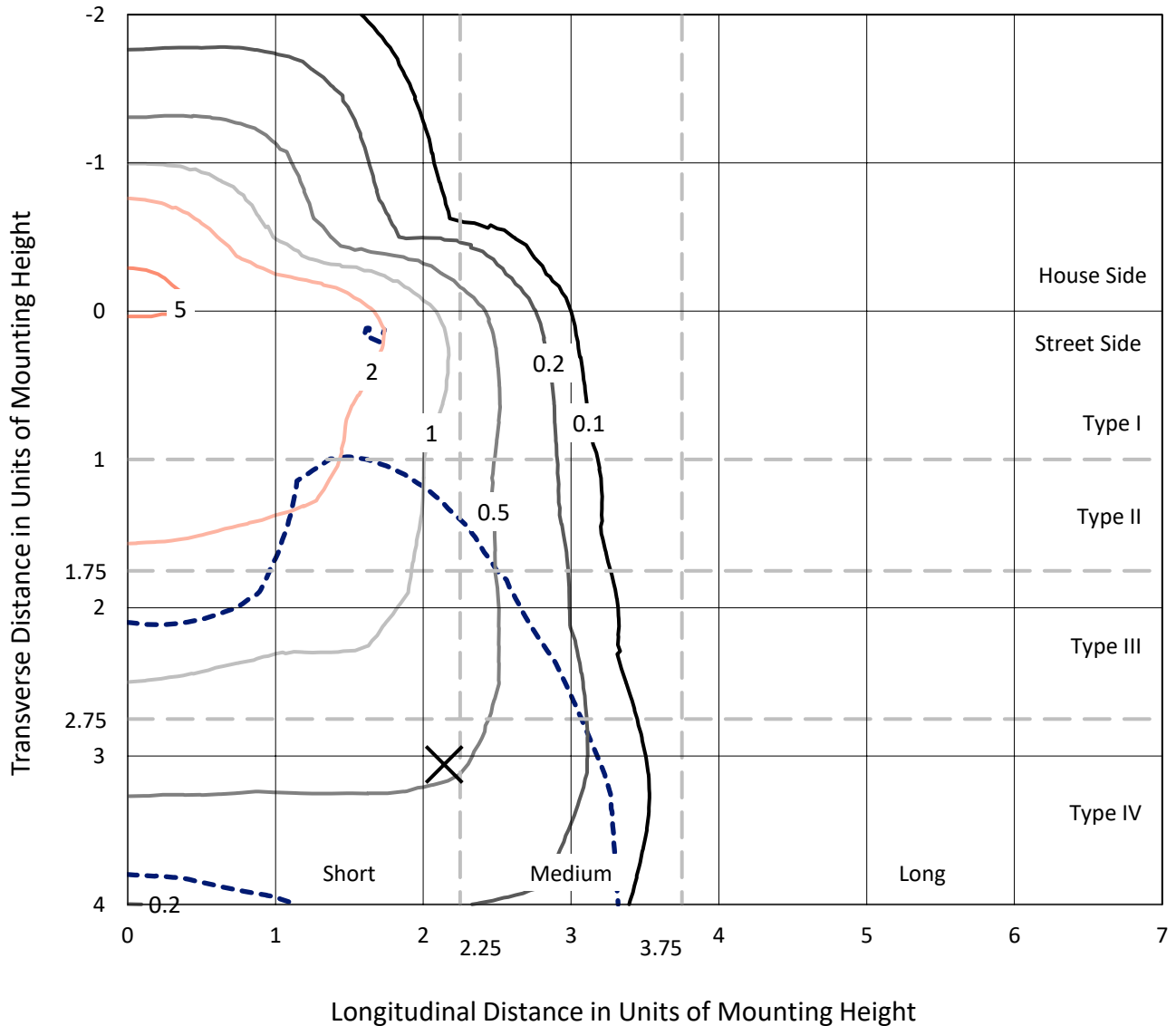
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

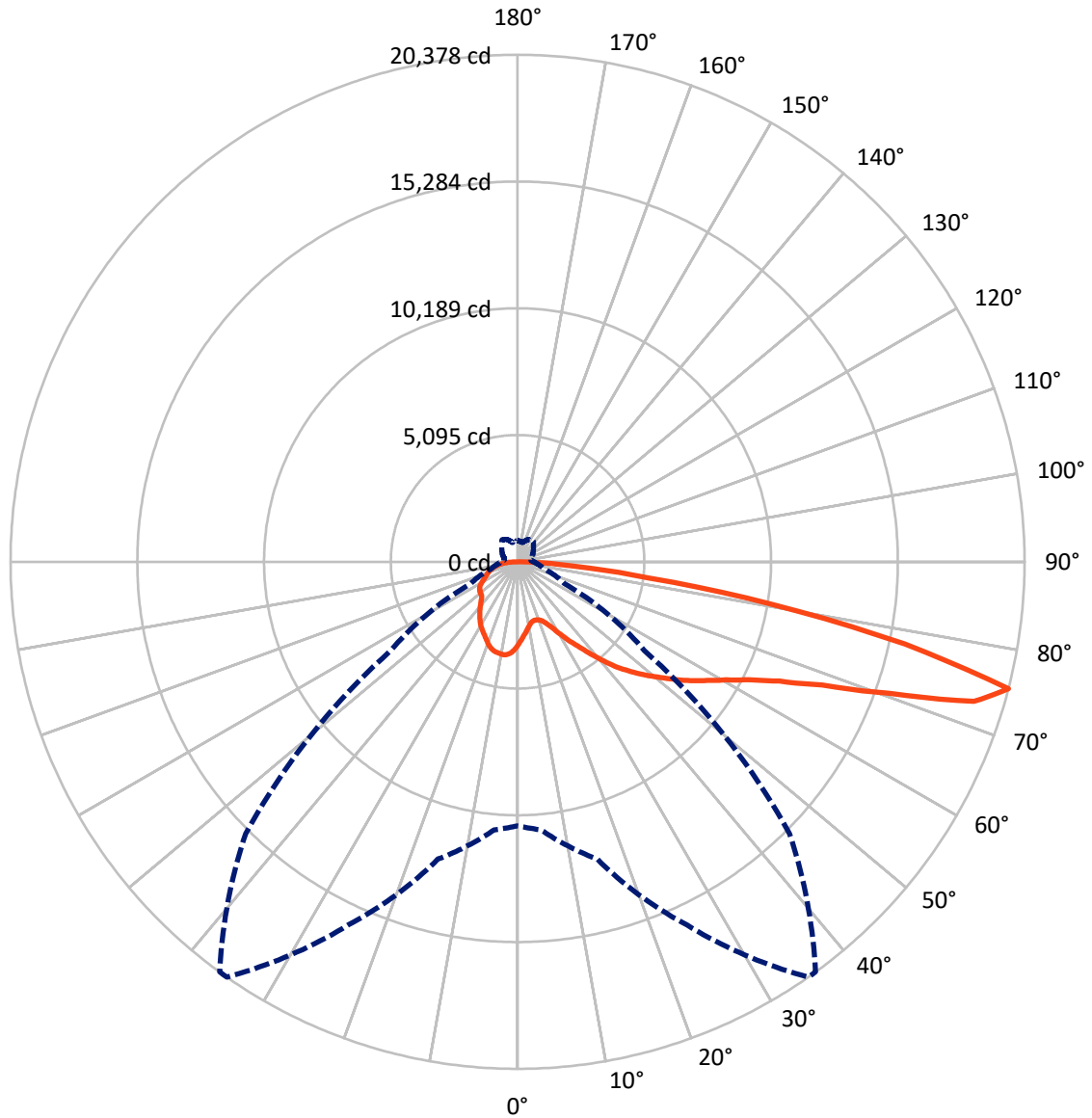
✕ Max cd  
 - - - 1/2 Max cd



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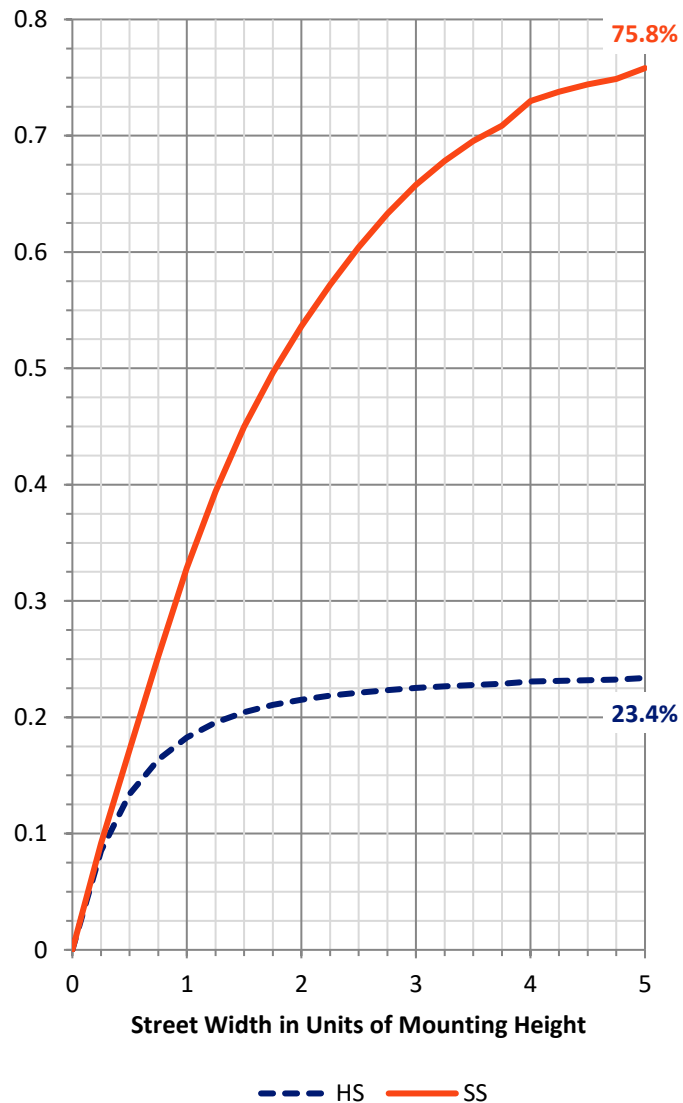
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5949.9	0.0	5949.9
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	19052.2	0.0	19052.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	25002.0	0.0	25002.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.4	1.3
10°-20°	909.9	3.6
20°-30°	1527.9	6.1
30°-40°	2374.6	9.5
40°-50°	3524.5	14.1
50°-60°	4865.8	19.5
60°-70°	5903.4	23.6
70°-80°	4878.7	19.5
80°-90°	701.7	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°	25002.0	100.0
0°-180°	25002.0	100.0

**Coefficient of Utilization**

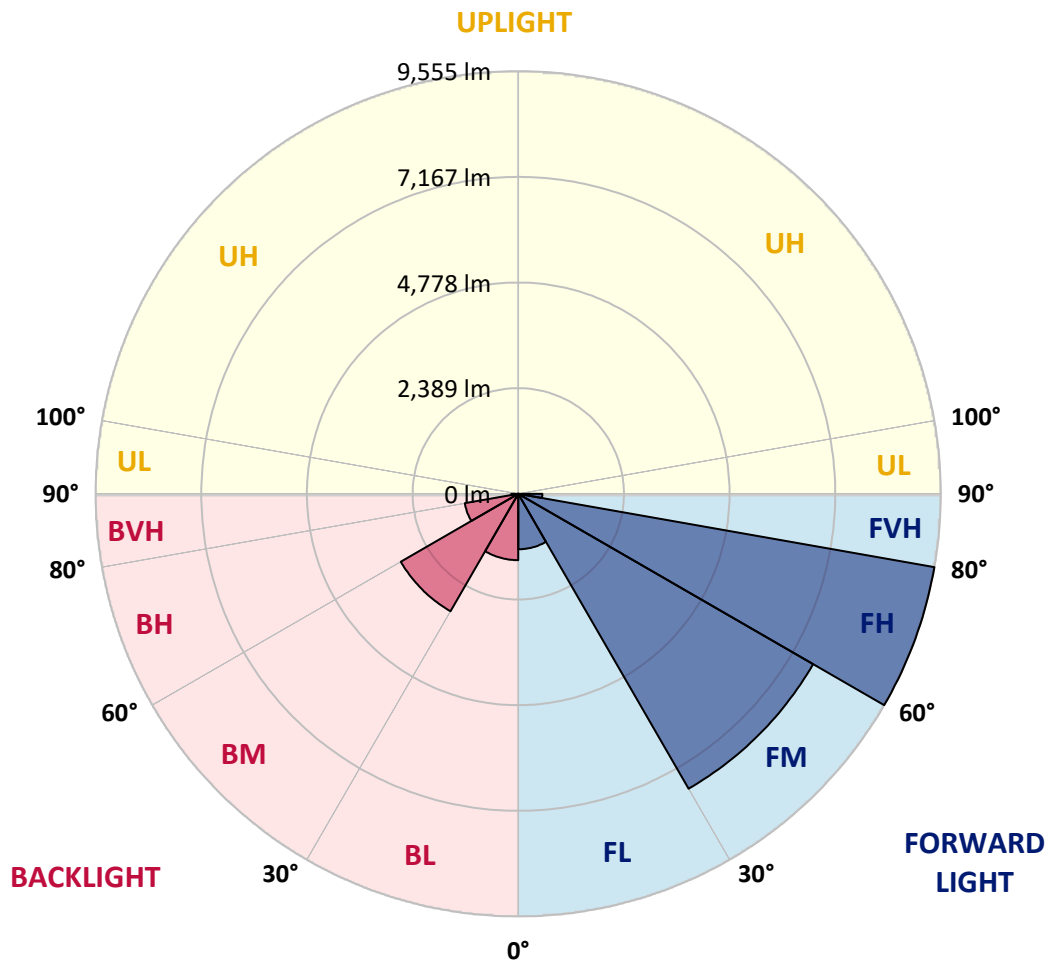


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.8	5.0			
FM (30°-60°)	7699.3	30.8			
FH (60°-80°)	9555.4	38.2			G4/12000
FVH (80°-90°)	543.7	2.2			G4/750
BL (0°-30°)	1499.4	6.0	B3/2500		
BM (30°-60°)	3065.7	12.3	B3/5000		
BH (60°-80°)	1226.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	158.0	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°	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7
2.5°	3072.2	3091.1	3099.2	3095.2	3115.4	3112.7	3141.1	3176.3	3224.9	3272.2
5°	2835.6	2855.9	2873.5	2889.7	2928.9	2941.1	2985.7	3053.3	3142.5	3233.0
7.5°	2615.3	2632.9	2659.9	2689.7	2755.9	2768.1	2842.4	2947.8	3072.2	3204.6
10°	2435.6	2453.1	2481.5	2515.3	2597.8	2612.6	2707.2	2847.8	3010.0	3177.6
12.5°	2358.5	2363.9	2380.2	2414.0	2485.6	2495.0	2599.1	2760.0	2949.2	3157.3
15°	2354.5	2365.3	2366.6	2384.2	2443.7	2447.7	2543.7	2703.2	2911.3	3153.3
17.5°	2395.0	2403.1	2391.0	2401.8	2451.8	2458.6	2534.2	2676.2	2899.2	3170.8
20°	2503.2	2509.9	2473.4	2458.6	2495.0	2500.5	2574.8	2693.7	2911.3	3207.3
22.5°	2732.9	2737.0	2647.8	2587.0	2589.7	2592.4	2657.2	2765.4	2958.6	3273.6
25°	3091.1	3088.4	2946.5	2828.9	2761.3	2746.4	2789.7	2881.6	3038.4	3361.4
27.5°	3510.1	3489.8	3347.9	3172.2	3024.9	3003.2	2993.8	3033.0	3151.9	3477.7
30°	3983.2	3964.2	3811.5	3581.7	3377.6	3342.5	3253.3	3233.0	3320.9	3635.8
32.5°	4502.2	4490.0	4307.5	4029.1	3756.1	3715.5	3565.5	3511.4	3580.4	3875.0
35°	4937.4	4926.6	4775.2	4488.7	4154.8	4104.8	3952.1	3891.2	3926.4	4181.8
37.5°	5330.7	5325.3	5195.5	4969.8	4625.2	4564.3	4392.7	4372.4	4365.7	4586.0
40°	5695.6	5682.1	5547.0	5428.0	5172.6	5117.1	4965.8	4948.2	4896.8	5083.4
42.5°	6099.8	6064.6	5868.6	5813.2	5744.3	5698.3	5607.8	5610.5	5496.9	5644.3
45°	6429.5	6409.3	6207.9	6175.4	6249.8	6230.9	6309.3	6329.5	6109.2	6232.2
47.5°	6783.7	6764.7	6594.4	6571.5	6772.9	6778.3	7055.3	7062.1	6706.6	6843.1
50°	7220.2	7193.2	7024.2	7052.6	7278.3	7298.6	7805.5	7759.5	7256.7	7463.5
52.5°	7508.1	7524.3	7487.8	7533.8	7842.0	7860.9	8543.4	8425.9	7801.4	8075.8
55°	7720.3	7752.8	7866.3	7971.7	8436.7	8455.6	9239.5	9059.8	8252.8	8643.5
57.5°	7993.3	7947.4	8159.6	8365.0	9001.6	9051.6	9916.7	9670.7	8652.9	9132.7
60°	8385.3	8352.9	8517.8	8821.9	9634.2	9713.9	10633.0	10220.8	8946.2	9520.6
62.5°	9180.0	9098.9	9124.6	9393.6	10431.6	10537.0	11441.3	10700.6	9092.2	9672.0
65°	10368.1	10228.9	10099.1	10285.7	11554.8	11658.9	12353.6	11077.7	9038.1	9378.7
67.5°	11864.3	11726.5	11567.0	11742.7	13209.2	13291.6	13479.5	11289.9	8612.4	8248.8
70°	13098.3	13047.0	13237.5	13960.6	15851.5	15854.2	14923.0	11114.2	7445.9	5848.4
72.5°	12934.8	12903.7	13907.9	16143.5	19181.9	19110.2	16289.4	9784.2	5015.8	2638.3
75°	10611.4	10812.8	12368.5	16104.3	20378.0	20368.6	15452.8	6220.0	2074.7	1093.4
77.5°	5690.2	6009.2	8029.8	11890.0	15908.3	16147.5	10864.1	2176.1	890.7	700.1
80°	1855.7	2134.2	3200.6	6053.8	10337.0	10292.4	4656.3	854.2	609.6	496.0
82.5°	788.0	820.4	1430.0	2858.6	5305.0	5222.6	1482.7	490.6	428.5	339.3
85°	308.2	344.7	631.2	1321.9	2297.7	2247.7	535.2	243.3	274.4	221.7
87.5°	101.4	123.0	225.7	452.8	715.0	689.3	131.1	83.8	118.9	101.4
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°
3331.7	0°	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7	3331.7
3341.1	2.5°	3360.1	3381.7	3407.4	3445.2	3477.7	3504.7	3533.1	3550.6	3557.4	3577.7
3346.6	5°	3384.4	3431.7	3495.2	3557.4	3618.2	3654.7	3687.2	3703.4	3718.2	3729.1
3361.4	7.5°	3424.9	3485.8	3585.8	3666.9	3718.2	3748.0	3769.6	3764.2	3769.6	3772.3
3377.6	10°	3460.1	3545.2	3664.2	3741.2	3780.4	3781.8	3776.4	3757.4	3748.0	3749.3
3402.0	12.5°	3502.0	3596.6	3725.0	3789.9	3800.7	3771.0	3748.0	3715.5	3703.4	3698.0
3438.5	15°	3558.8	3666.9	3791.2	3815.6	3788.5	3750.7	3711.5	3658.8	3631.7	3610.1
3500.6	17.5°	3627.7	3746.6	3842.6	3825.0	3766.9	3704.7	3641.2	3561.5	3506.0	3483.1
3585.8	20°	3723.6	3830.4	3881.8	3804.7	3716.9	3622.3	3514.2	3416.8	3365.5	3342.5
3693.9	22.5°	3839.9	3942.6	3919.6	3769.6	3645.3	3493.9	3358.7	3287.1	3261.4	3245.2
3833.1	25°	3979.1	4067.0	3946.7	3718.2	3527.7	3323.6	3219.5	3196.5	3184.4	3172.2
4003.4	27.5°	4160.2	4207.5	3966.9	3642.6	3343.8	3142.5	3104.6	3108.7	3104.6	3084.3
4240.0	30°	4399.4	4390.0	3985.9	3519.6	3133.0	2978.9	2981.6	2999.2	3001.9	2988.4
4569.7	32.5°	4714.4	4618.4	3995.3	3360.1	2931.6	2835.6	2838.4	2857.3	2870.8	2847.8
5000.9	35°	5095.5	4884.7	3980.5	3160.0	2776.2	2699.1	2678.9	2684.3	2688.3	2666.7
5524.0	37.5°	5540.2	5183.4	3914.2	2938.4	2647.8	2565.3	2522.1	2485.6	2464.0	2443.7
6116.0	40°	6028.1	5509.1	3792.6	2722.1	2504.5	2423.4	2358.5	2289.6	2216.6	2189.6
6743.1	42.5°	6539.0	5844.3	3645.3	2515.3	2339.6	2273.4	2204.5	2104.4	1995.0	1939.5
7394.6	45°	7068.9	6187.6	3500.6	2311.2	2170.7	2142.3	2062.5	1942.2	1823.3	1753.0
8047.4	47.5°	7587.9	6512.0	3288.4	2105.8	2012.5	2043.6	1981.4	1870.6	1738.2	1627.3
8694.8	50°	8083.9	6816.1	2941.1	1897.6	1884.1	2013.9	1954.4	1794.9	1643.5	1501.6
9330.1	52.5°	8575.9	7062.1	2496.4	1708.4	1815.2	2005.8	1919.3	1743.6	1558.4	1409.7
9927.5	55°	8993.5	7189.1	2067.9	1546.2	1715.2	1936.8	1877.4	1682.7	1438.1	1280.0
10337.0	57.5°	9231.4	7086.4	1711.1	1386.7	1577.3	1823.3	1805.7	1553.0	1294.8	1173.2
10416.8	60°	9128.7	6670.1	1419.2	1247.5	1446.2	1700.3	1681.4	1424.6	1185.4	1070.5
9989.7	62.5°	8562.4	5876.7	1188.1	1125.9	1327.3	1574.6	1557.0	1325.9	1101.6	990.7
8855.7	65°	7421.6	4780.6	1008.3	1024.5	1207.0	1423.2	1448.9	1243.5	1035.3	927.2
6851.2	67.5°	5660.5	3462.8	867.7	936.7	1089.4	1274.6	1348.9	1184.0	979.9	877.2
3964.2	70°	3226.3	1966.6	748.8	851.5	985.3	1136.7	1271.9	1136.7	920.4	835.3
1485.4	72.5°	1223.2	902.9	647.4	766.4	885.3	1020.5	1186.7	1062.4	851.5	788.0
767.7	75°	652.8	550.1	544.7	666.3	770.4	906.9	1079.9	989.4	800.1	832.6
531.2	77.5°	444.7	389.3	455.5	570.4	644.7	781.2	966.4	878.5	693.4	690.7
367.6	80°	308.2	275.7	370.3	459.5	498.7	656.9	843.4	754.2	565.0	527.1
227.1	82.5°	185.2	179.8	277.1	343.3	352.8	506.8	698.8	632.5	462.2	402.8
135.2	85°	101.4	106.8	177.1	201.4	205.4	354.1	547.4	489.3	355.5	298.7
48.7	87.5°	28.4	36.5	64.9	79.7	98.7	183.8	325.7	290.6	178.4	124.3
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°
3331.7
3576.3
3731.8
3776.4
3752.0
3695.3
3616.9
3484.4
3339.8
3247.9
3172.2
3088.4
2995.1
2858.6
2681.6
2457.2
2201.8
1946.3
1747.6
1615.2
1489.5
1393.5
1266.4
1157.0
1054.2
973.1
909.6
861.0
824.5
777.2
859.6
636.6
504.1
405.5
301.4
124.3
0.0

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