

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: P852611

Luminaire Tested: **GLAN-SB5A-835-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852611  
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-SB5A-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18543 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

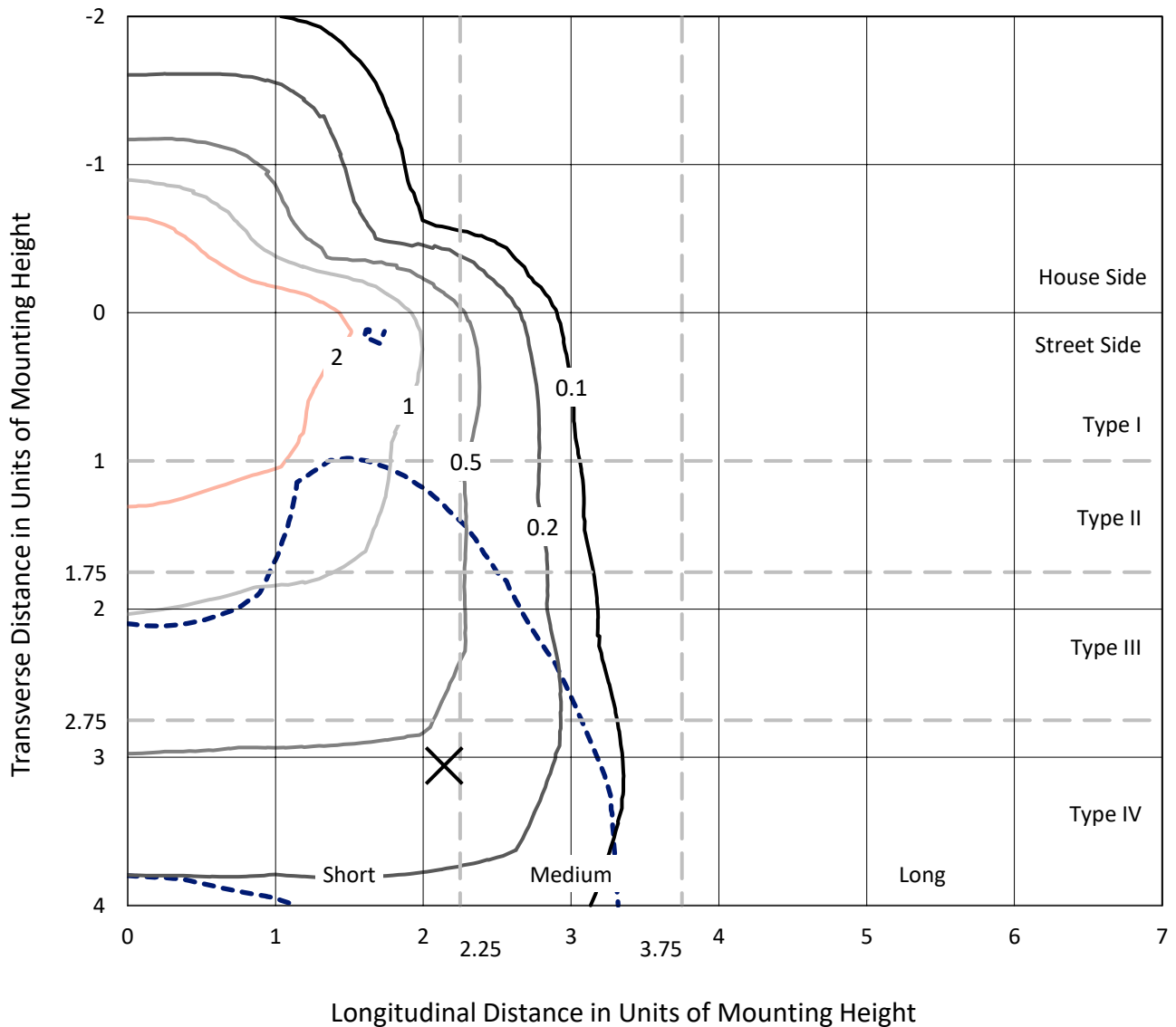
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

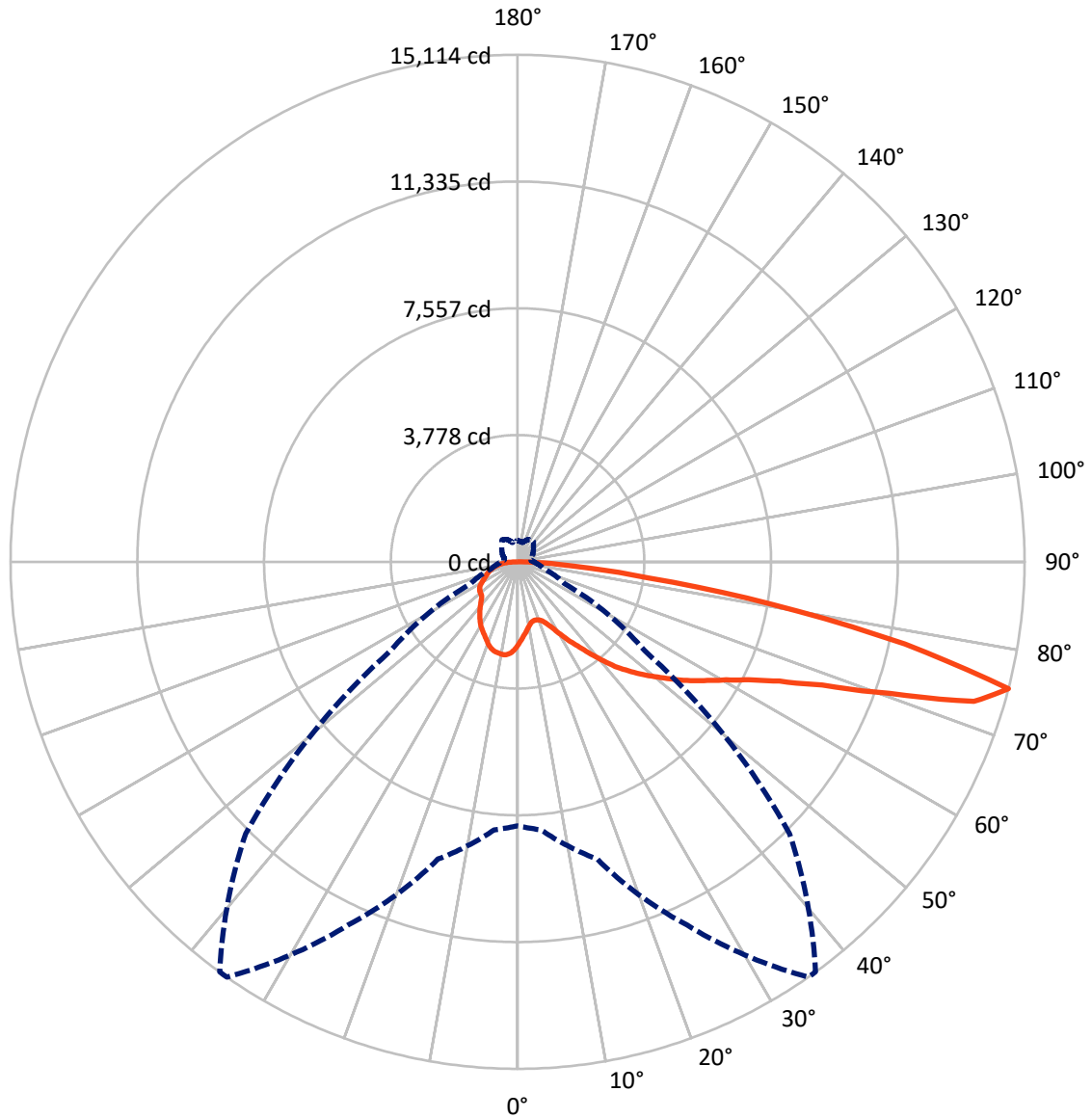
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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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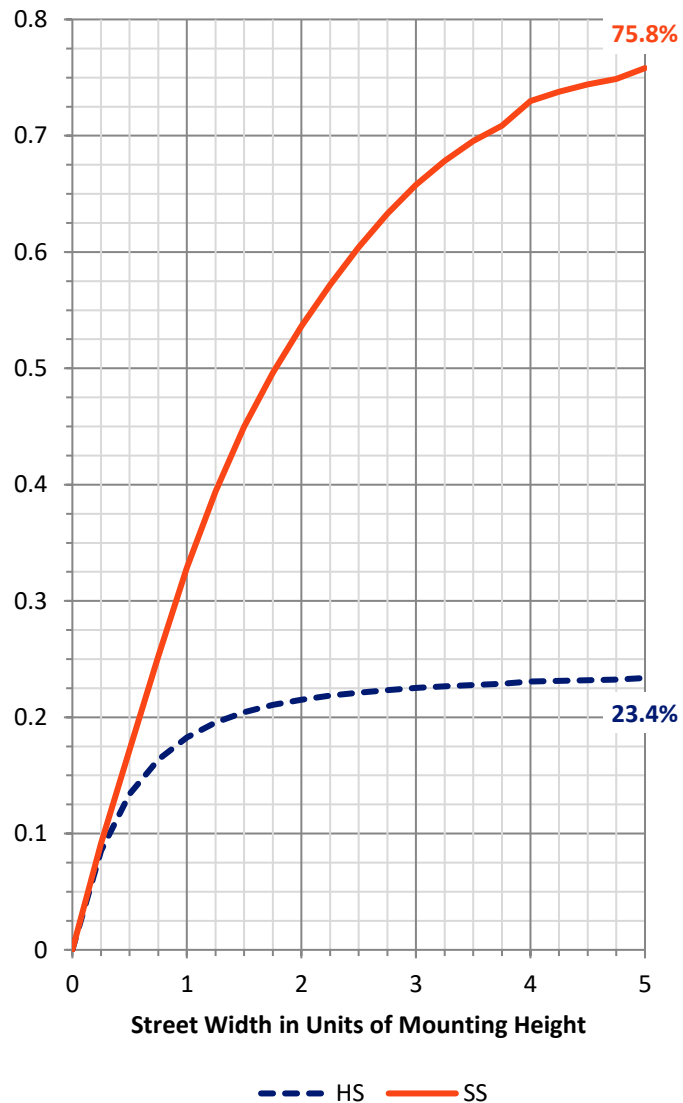
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4412.8	0.0	4412.8
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	14130.2	0.0	14130.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	18543.0	0.0	18543.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.0	1.3
10°-20°	674.8	3.6
20°-30°	1133.2	6.1
30°-40°	1761.1	9.5
40°-50°	2614.0	14.1
50°-60°	3608.8	19.5
60°-70°	4378.3	23.6
70°-80°	3618.3	19.5
80°-90°	520.4	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°	18543.0	100.0
0°-180°	18543.0	100.0

**Coefficient of Utilization**



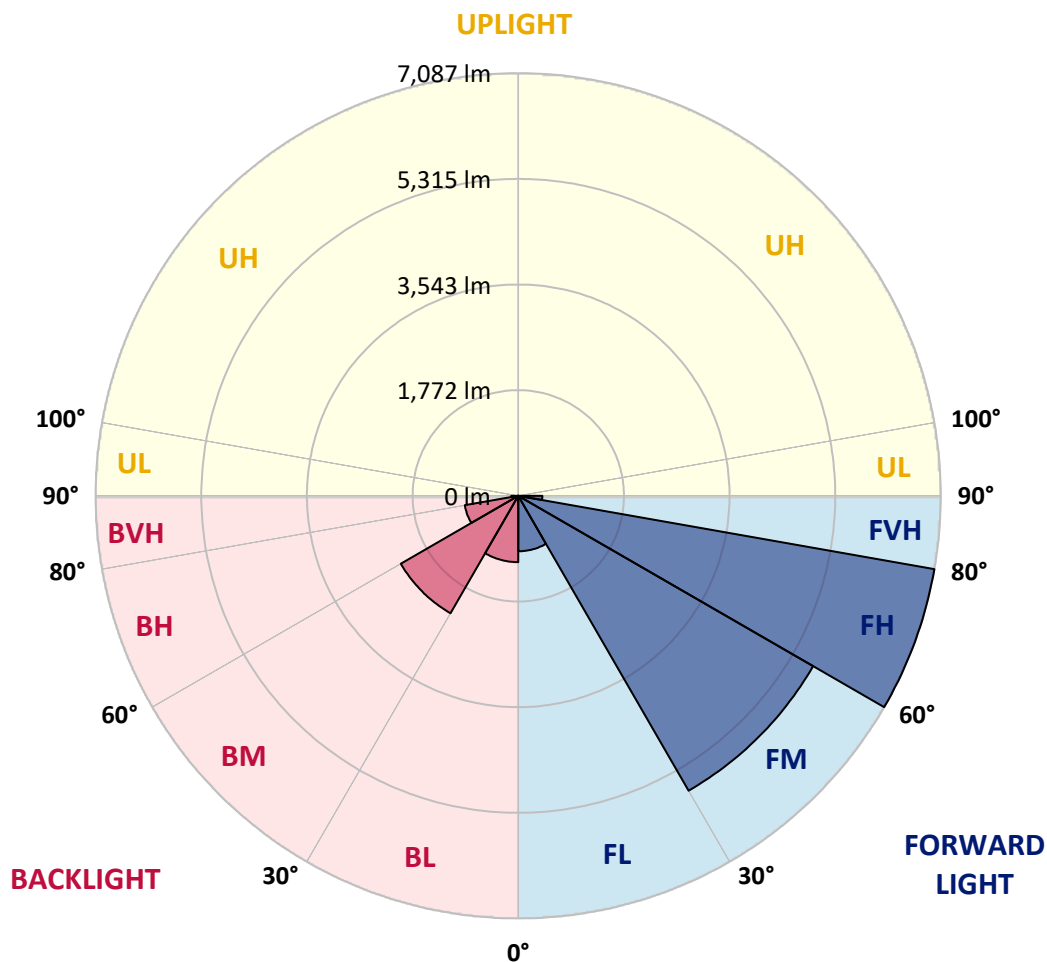
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	929.9	5.0			
FM (30°-60°)	5710.2	30.8			
FH (60°-80°)	7086.9	38.2			G3/7500
FVH (80°-90°)	403.2	2.2			G3/500
BL (0°-30°)	1112.1	6.0	B3/2500		
BM (30°-60°)	2273.7	12.3	B2/2500		
BH (60°-80°)	909.8	4.9	B2/1000		G2/1000
BVH (80°-90°)	117.2	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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0
2.5°	2278.5	2292.5	2298.6	2295.6	2310.6	2308.6	2329.6	2355.7	2391.8	2426.9
5°	2103.1	2118.1	2131.2	2143.2	2172.3	2181.3	2214.4	2264.5	2330.6	2397.8
7.5°	1939.7	1952.7	1972.8	1994.8	2043.9	2053.0	2108.1	2186.3	2278.5	2376.8
10°	1806.4	1819.4	1840.5	1865.5	1926.7	1937.7	2007.9	2112.1	2232.4	2356.7
12.5°	1749.2	1753.2	1765.3	1790.3	1843.5	1850.5	1927.7	2047.0	2187.3	2341.7
15°	1746.2	1754.2	1755.2	1768.3	1812.4	1815.4	1886.6	2004.9	2159.2	2338.7
17.5°	1776.3	1782.3	1773.3	1781.3	1818.4	1823.4	1879.5	1984.8	2150.2	2351.7
20°	1856.5	1861.5	1834.4	1823.4	1850.5	1854.5	1909.6	1997.8	2159.2	2378.8
22.5°	2026.9	2029.9	1963.8	1918.6	1920.6	1922.7	1970.8	2051.0	2194.3	2427.9
25°	2292.5	2290.5	2185.3	2098.1	2048.0	2036.9	2069.0	2137.2	2253.5	2493.0
27.5°	2603.3	2588.3	2483.0	2352.7	2243.4	2227.4	2220.4	2249.4	2337.7	2579.2
30°	2954.1	2940.1	2826.8	2656.4	2505.1	2479.0	2412.8	2397.8	2463.0	2696.5
32.5°	3339.1	3330.1	3194.7	2988.2	2785.7	2755.7	2644.4	2604.3	2655.4	2874.0
35°	3661.9	3653.8	3541.6	3329.1	3081.5	3044.4	2931.1	2886.0	2912.0	3101.5
37.5°	3953.6	3949.6	3853.3	3685.9	3430.3	3385.2	3257.9	3242.8	3237.8	3401.2
40°	4224.2	4214.2	4114.0	4025.7	3836.3	3795.2	3682.9	3669.9	3631.8	3770.1
42.5°	4523.9	4497.9	4352.5	4311.4	4260.3	4226.2	4159.1	4161.1	4076.9	4186.1
45°	4768.5	4753.5	4604.1	4580.1	4635.2	4621.2	4679.3	4694.4	4531.0	4622.2
47.5°	5031.2	5017.1	4890.8	4873.8	5023.2	5027.2	5232.7	5237.7	4974.0	5075.3
50°	5355.0	5334.9	5209.6	5230.7	5398.1	5413.1	5789.0	5754.9	5382.0	5535.4
52.5°	5568.5	5580.5	5553.4	5587.5	5816.1	5830.1	6336.3	6249.1	5786.0	5989.5
55°	5725.9	5749.9	5834.1	5912.3	6257.1	6271.2	6852.6	6719.3	6120.8	6410.5
57.5°	5928.3	5894.3	6051.6	6204.0	6676.2	6713.2	7354.8	7172.4	6417.5	6773.4
60°	6219.1	6195.0	6317.3	6542.8	7145.3	7204.4	7886.1	7580.3	6635.1	7061.1
62.5°	6808.5	6748.3	6767.4	6966.9	7736.7	7814.9	8485.5	7936.2	6743.3	7173.4
65°	7689.6	7586.4	7490.1	7628.5	8569.7	8646.9	9162.2	8215.9	6703.2	6955.8
67.5°	8799.3	8697.0	8578.8	8709.1	9796.7	9857.9	9997.2	8373.3	6387.5	6117.8
70°	9714.5	9676.4	9817.8	10354.1	11756.5	11758.5	11067.8	8242.9	5522.4	4337.5
72.5°	9593.2	9570.2	10315.0	11973.0	14226.4	14173.3	12081.2	7256.6	3720.0	1956.7
75°	7870.0	8019.4	9173.2	11943.9	15113.6	15106.6	11460.7	4613.2	1538.7	811.0
77.5°	4220.2	4456.8	5955.4	8818.3	11798.6	11976.0	8057.5	1613.9	660.6	519.3
80°	1376.3	1582.8	2373.7	4489.9	7666.6	7633.5	3453.4	633.5	452.1	367.9
82.5°	584.4	608.5	1060.6	2120.1	3934.5	3873.4	1099.7	363.9	317.8	251.6
85°	228.6	255.6	468.1	980.4	1704.1	1667.0	397.0	180.4	203.5	164.4
87.5°	75.2	91.2	167.4	335.8	530.3	511.2	97.2	62.2	88.2	75.2
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°
2471.0	0°	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0	2471.0
2478.0	2.5°	2492.0	2508.1	2527.1	2555.2	2579.2	2599.3	2620.3	2633.4	2638.4	2653.4
2482.0	5°	2510.1	2545.2	2592.3	2638.4	2683.5	2710.6	2734.6	2746.6	2757.7	2765.7
2493.0	7.5°	2540.1	2585.3	2659.4	2719.6	2757.7	2779.7	2795.8	2791.8	2795.8	2797.8
2505.1	10°	2566.2	2629.4	2717.6	2774.7	2803.8	2804.8	2800.8	2786.7	2779.7	2780.7
2523.1	12.5°	2597.3	2667.5	2762.7	2810.8	2818.8	2796.8	2779.7	2755.7	2746.6	2742.6
2550.2	15°	2639.4	2719.6	2811.8	2829.8	2809.8	2781.7	2752.7	2713.6	2693.5	2677.5
2596.3	17.5°	2690.5	2778.7	2849.9	2836.9	2793.8	2747.6	2700.5	2641.4	2600.3	2583.3
2659.4	20°	2761.7	2840.9	2879.0	2821.8	2756.7	2686.5	2606.3	2534.1	2496.0	2479.0
2739.6	22.5°	2847.9	2924.1	2907.0	2795.8	2703.5	2591.3	2491.0	2437.9	2418.9	2406.8
2842.9	25°	2951.1	3016.3	2927.1	2757.7	2616.3	2465.0	2387.8	2370.7	2361.7	2352.7
2969.2	27.5°	3085.5	3120.6	2942.1	2701.5	2480.0	2330.6	2302.6	2305.6	2302.6	2287.5
3144.6	30°	3262.9	3255.9	2956.2	2610.3	2323.6	2209.3	2211.4	2224.4	2226.4	2216.4
3389.2	32.5°	3496.5	3425.3	2963.2	2492.0	2174.3	2103.1	2105.1	2119.1	2129.2	2112.1
3709.0	35°	3779.1	3622.8	2952.1	2343.7	2059.0	2001.8	1986.8	1990.8	1993.8	1977.8
4096.9	37.5°	4108.9	3844.3	2903.0	2179.3	1963.8	1902.6	1870.5	1843.5	1827.4	1812.4
4536.0	40°	4470.8	4085.9	2812.8	2018.9	1857.5	1797.3	1749.2	1698.1	1644.0	1623.9
5001.1	42.5°	4849.7	4334.5	2703.5	1865.5	1735.2	1686.1	1635.0	1560.8	1479.6	1438.5
5484.3	45°	5242.7	4589.1	2596.3	1714.1	1609.9	1588.8	1529.7	1440.5	1352.3	1300.1
5968.4	47.5°	5627.6	4829.7	2438.9	1561.8	1492.6	1515.7	1469.6	1387.4	1289.1	1206.9
6448.6	50°	5995.5	5055.2	2181.3	1407.4	1397.4	1493.6	1449.5	1331.2	1219.0	1113.7
6919.7	52.5°	6360.4	5237.7	1851.5	1267.1	1346.3	1487.6	1423.4	1293.1	1155.8	1045.5
7362.8	55°	6670.1	5331.9	1533.7	1146.8	1272.1	1436.5	1392.4	1248.0	1066.6	949.3
7666.6	57.5°	6846.6	5255.7	1269.1	1028.5	1169.8	1352.3	1339.2	1151.8	960.3	870.1
7725.7	60°	6770.4	4947.0	1052.5	925.2	1072.6	1261.1	1247.0	1056.6	879.1	793.9
7408.9	62.5°	6350.4	4358.5	881.1	835.0	984.4	1167.8	1154.8	983.4	817.0	734.8
6567.9	65°	5504.3	3545.6	747.8	759.8	895.2	1055.6	1074.6	922.2	767.9	687.7
5081.3	67.5°	4198.2	2568.2	643.6	694.7	808.0	945.3	1000.4	878.1	726.8	650.6
2940.1	70°	2392.8	1458.5	555.3	631.5	730.8	843.0	943.3	843.0	682.7	619.5
1101.7	72.5°	907.2	669.6	480.2	568.4	656.6	756.8	880.1	787.9	631.5	584.4
569.4	75°	484.2	408.0	404.0	494.2	571.4	672.6	800.9	733.8	593.4	617.5
394.0	77.5°	329.8	288.7	337.8	423.0	478.2	579.4	716.7	651.6	514.2	512.2
272.7	80°	228.6	204.5	274.7	340.8	369.9	487.2	625.5	559.4	419.0	390.9
168.4	82.5°	137.3	133.3	205.5	254.6	261.6	375.9	518.3	469.1	342.8	298.7
100.2	85°	75.2	79.2	131.3	149.4	152.4	262.6	406.0	362.9	263.6	221.5
36.1	87.5°	21.1	27.1	48.1	59.1	73.2	136.3	241.6	215.5	132.3	92.2
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°
2471.0
2652.4
2767.7
2800.8
2782.7
2740.6
2682.5
2584.3
2477.0
2408.8
2352.7
2290.5
2221.4
2120.1
1988.8
1822.4
1633.0
1443.5
1296.1
1197.9
1104.7
1033.5
939.3
858.1
781.9
721.7
674.6
638.5
611.5
576.4
637.5
472.1
373.9
300.7
223.5
92.2
0.0

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