

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: P847996

Luminaire Tested: **GLAN-SB4B-835-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18515 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

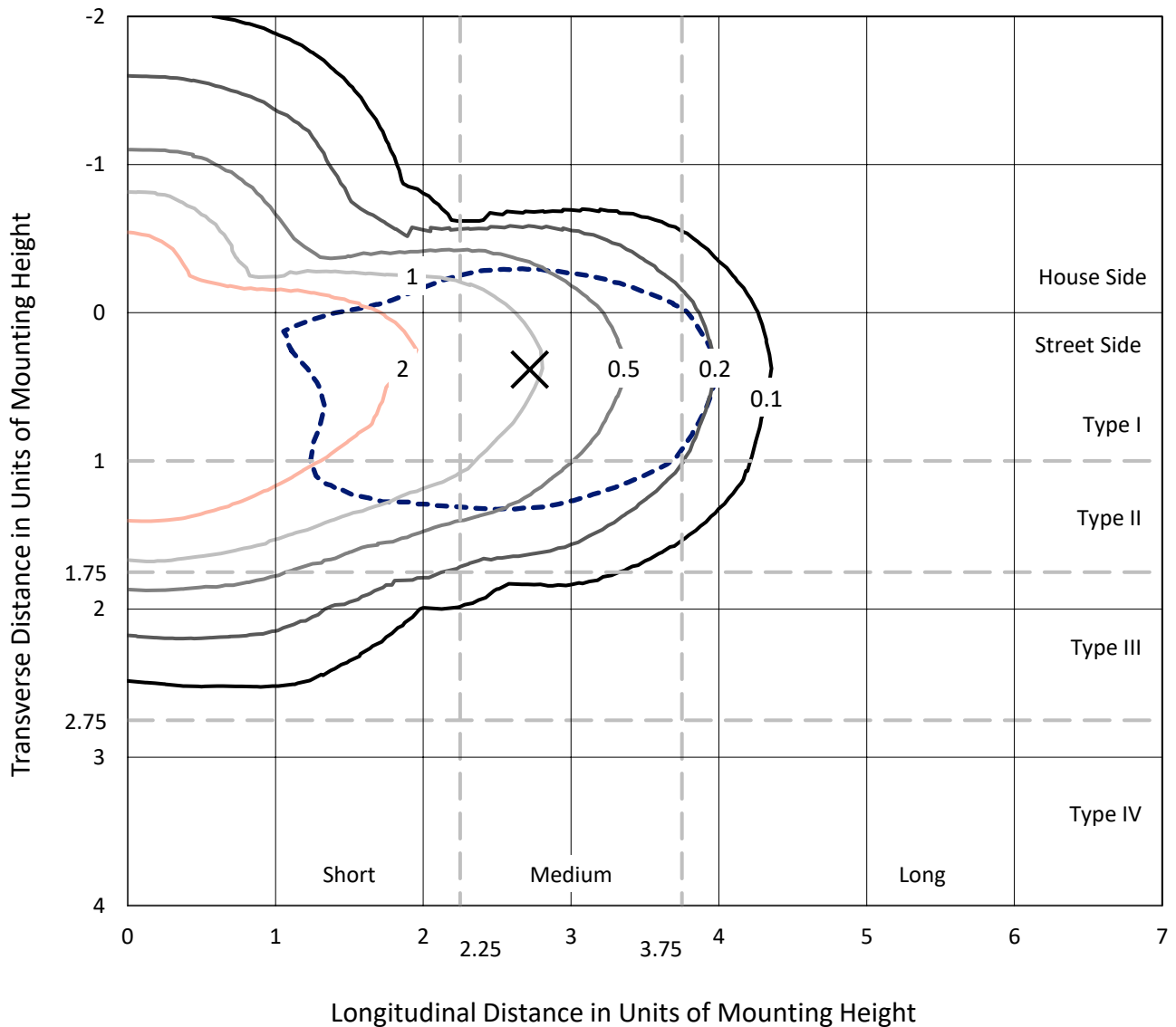
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

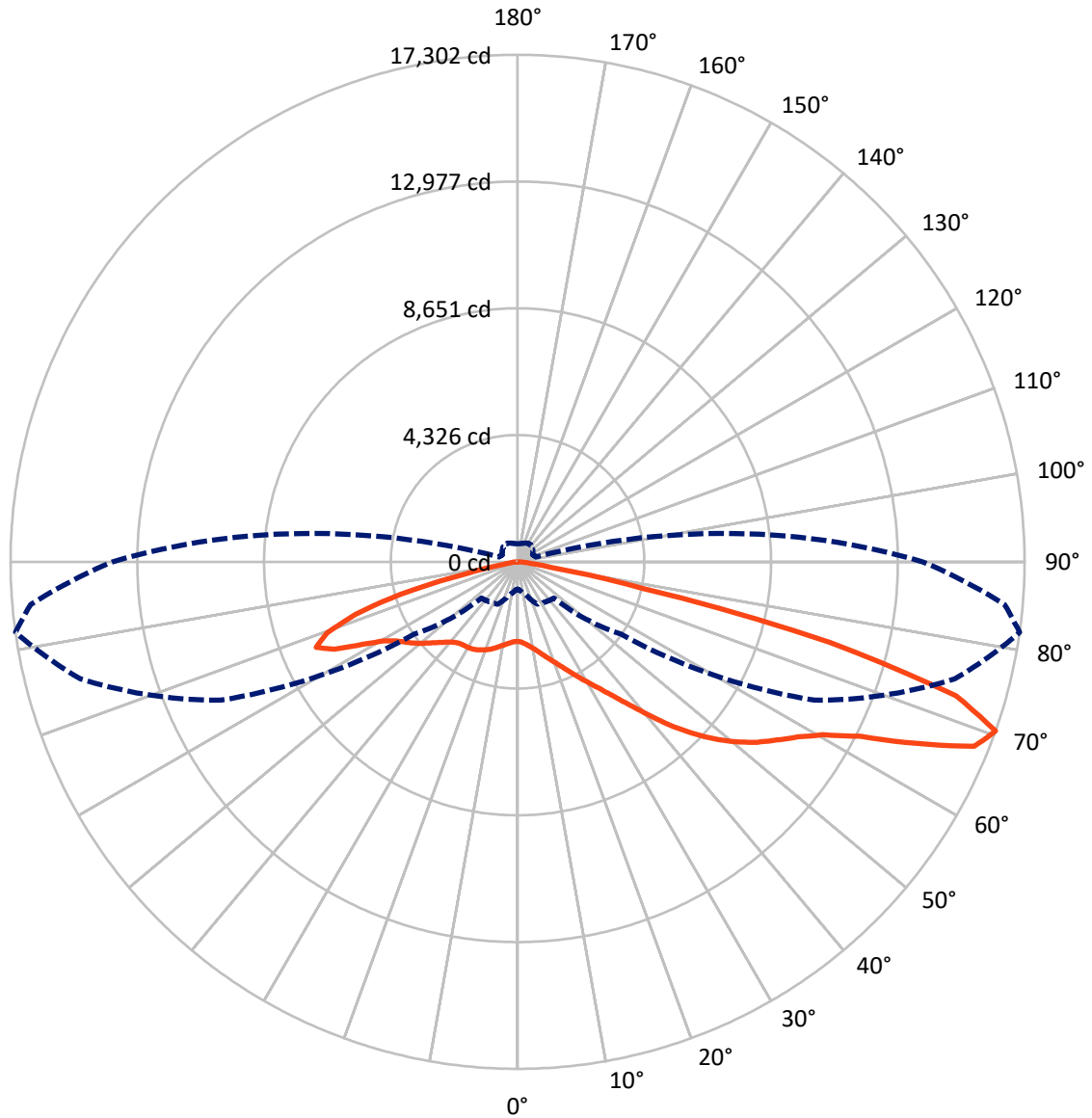
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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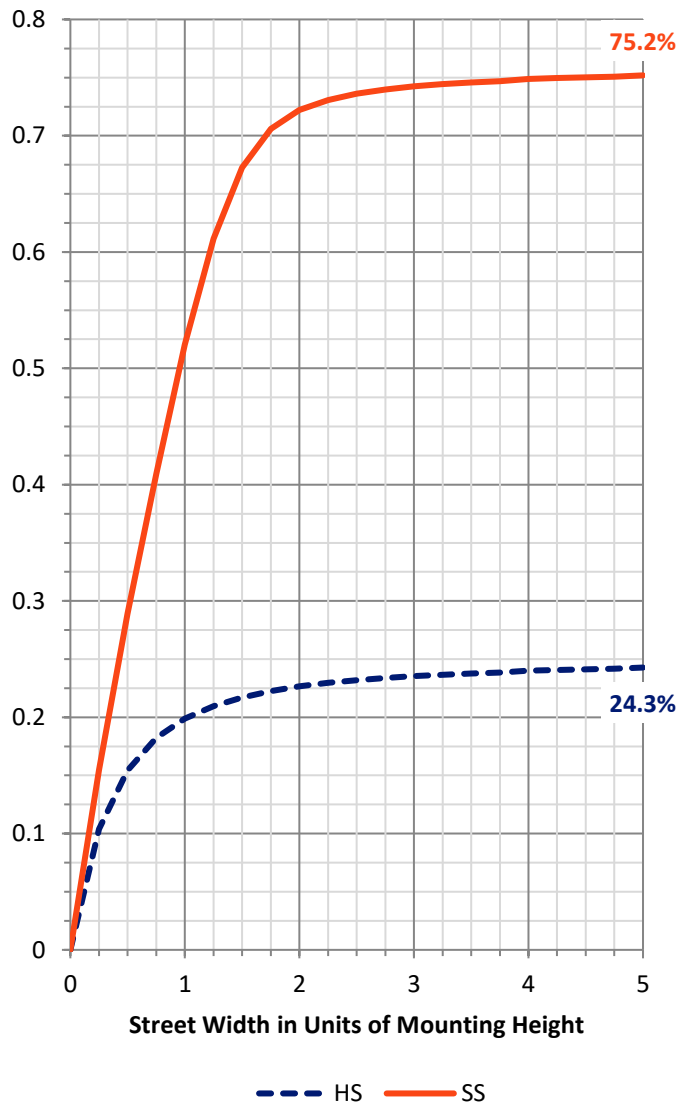
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4564.4	0.0	4564.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	13950.6	0.0	13950.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	18515.0	0.0	18515.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.3	1.4
10°-20°	736.4	4.0
20°-30°	1231.9	6.7
30°-40°	1924.5	10.4
40°-50°	3065.0	16.6
50°-60°	4265.3	23.0
60°-70°	4461.7	24.1
70°-80°	2331.9	12.6
80°-90°	242.1	1.3
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°	18515.0	100.0
0°-180°	18515.0	100.0

**Coefficient of Utilization**

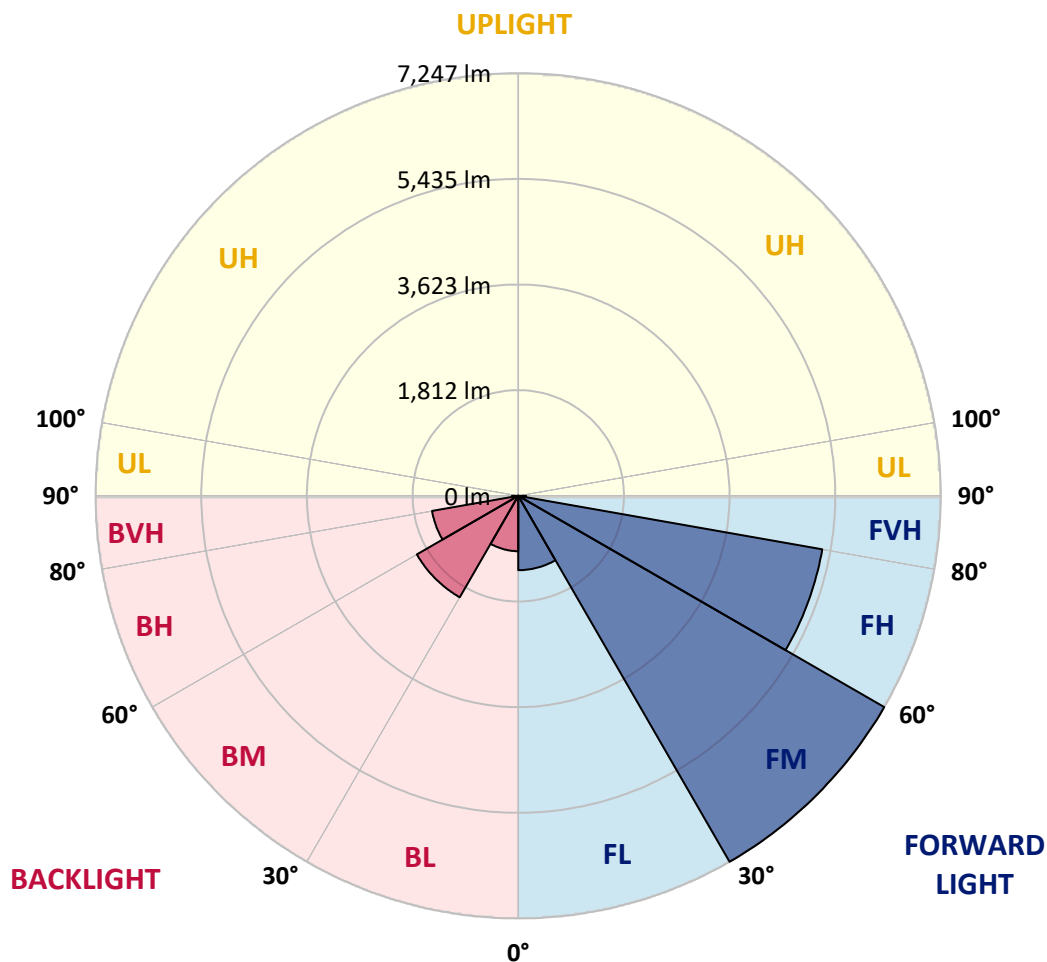


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1275.0	6.9			
FM (30°-60°)	7246.6	39.1			
FH (60°-80°)	5293.5	28.6			G3/7500
FVH (80°-90°)	135.6	0.7			G2/225
BL (0°-30°)	949.6	5.1	B2/1000		
BM (30°-60°)	2008.2	10.8	B2/2500		
BH (60°-80°)	1500.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	106.6	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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5
2.5°	2779.4	2795.1	2790.2	2785.3	2785.3	2778.4	2777.4	2767.6	2759.7	2747.0
5°	2814.7	2831.4	2829.5	2833.4	2846.2	2849.1	2852.1	2846.2	2830.5	2814.7
7.5°	2783.3	2802.0	2807.9	2831.4	2870.7	2906.1	2932.6	2943.4	2928.7	2906.1
10°	2677.2	2697.8	2718.5	2774.5	2844.2	2927.7	2998.5	3040.7	3037.8	3016.1
12.5°	2462.0	2483.7	2527.9	2636.9	2764.6	2912.0	3043.7	3132.1	3162.5	3146.8
15°	2290.1	2308.8	2342.2	2454.2	2620.2	2844.2	3060.4	3232.3	3309.9	3301.1
17.5°	2285.2	2293.1	2313.7	2366.7	2494.5	2738.1	3042.7	3330.5	3478.9	3477.9
20°	2371.7	2374.6	2386.4	2397.2	2469.9	2657.5	2997.5	3412.1	3668.5	3668.5
22.5°	2491.5	2489.5	2501.3	2491.5	2526.9	2650.7	2969.0	3483.8	3879.7	3895.4
25°	2671.3	2661.5	2658.5	2635.9	2642.8	2714.5	3000.4	3565.3	4130.3	4162.7
27.5°	2911.0	2895.3	2884.5	2832.4	2814.7	2846.2	3096.7	3663.6	4409.3	4465.3
30°	3223.4	3195.0	3179.2	3088.8	3025.0	3029.9	3242.1	3794.3	4701.1	4791.4
32.5°	3649.8	3605.6	3563.4	3415.0	3298.1	3259.8	3429.8	3975.0	5017.4	5161.8
35°	4127.3	4091.9	4046.7	3817.8	3638.0	3549.6	3683.2	4227.5	5387.8	5616.7
37.5°	4587.1	4556.6	4578.3	4269.8	4037.9	3909.2	4015.3	4566.5	5844.6	6182.6
40°	5062.6	5039.0	5042.0	4747.2	4477.1	4332.6	4418.1	4991.9	6368.3	6855.6
42.5°	5579.4	5561.7	5502.7	5241.4	4937.8	4803.2	4881.8	5483.1	6930.3	7621.9
45°	6158.0	6147.2	6092.2	5792.6	5444.8	5293.5	5399.6	6025.4	7495.2	8343.0
47.5°	6658.1	6667.0	6660.1	6407.6	6047.0	5825.0	5951.7	6591.3	8020.8	9020.9
50°	6898.8	6945.0	7012.8	6934.2	6710.2	6484.2	6508.8	7137.6	8521.8	9656.6
52.5°	6773.1	6860.5	7045.2	7171.0	7257.4	7210.3	7144.4	7679.9	8993.4	10230.3
55°	6304.4	6427.2	6733.8	7037.3	7478.5	7821.3	7907.8	8281.1	9453.2	10735.3
57.5°	5450.7	5650.1	5925.2	6539.2	7282.0	8117.1	8797.9	9115.2	9940.5	11274.7
60°	3986.8	4254.0	4595.9	5509.6	6594.3	7958.9	9555.4	10396.4	10633.1	11973.2
62.5°	2551.4	2716.5	3030.9	3891.5	5138.3	7148.4	9787.2	11997.8	11807.2	13118.8
65°	1746.8	1852.9	2140.8	2624.1	3321.7	5321.0	9166.3	13198.3	13671.9	14934.3
67.5°	1269.3	1349.9	1595.5	2019.0	2164.4	3148.8	7113.0	13143.3	15484.5	16804.9
70°	925.5	982.5	1188.8	1595.5	1665.3	1751.7	4309.1	11172.5	15445.2	17302.1
72.5°	685.8	725.1	863.6	1237.9	1347.9	1182.9	2132.9	8120.0	13272.0	15649.6
75°	496.1	525.6	627.8	947.1	1078.7	900.9	1064.0	4745.3	9257.7	11008.4
77.5°	379.2	401.8	468.6	693.6	863.6	675.9	660.2	2183.0	4389.6	4411.2
80°	304.6	319.3	355.6	488.3	662.2	506.0	430.3	881.3	1387.2	1174.0
82.5°	224.0	248.6	300.6	342.9	473.5	348.8	262.3	445.1	527.6	453.9
85°	127.7	144.4	181.8	245.6	302.6	213.2	150.3	197.5	245.6	201.4
87.5°	45.2	58.9	63.9	96.3	131.6	88.4	58.0	57.0	80.6	59.9
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°
2714.5	0°	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5	2714.5
2744.0	2.5°	2734.2	2729.3	2709.6	2683.1	2655.6	2629.1	2620.2	2601.5	2588.8	2581.9
2807.9	5°	2789.2	2773.5	2727.3	2668.4	2606.5	2539.7	2492.5	2449.3	2417.8	2388.4
2895.3	7.5°	2867.8	2840.3	2760.7	2657.5	2547.5	2436.5	2354.0	2291.1	2248.8	2221.3
2997.5	10°	2959.2	2916.9	2795.1	2640.8	2470.9	2311.7	2214.5	2160.4	2133.9	2119.2
3114.4	12.5°	3064.3	3004.4	2830.5	2602.5	2354.0	2172.2	2105.4	2089.7	2090.7	2091.7
3261.8	15°	3194.0	3110.5	2859.0	2519.0	2201.7	2065.1	2053.3	2078.9	2105.4	2118.2
3428.8	17.5°	3340.4	3222.5	2863.9	2381.5	2052.4	1996.4	2033.7	2088.7	2129.0	2146.7
3615.4	20°	3497.5	3336.4	2828.5	2187.0	1929.5	1940.4	2007.2	2077.9	2122.1	2144.7
3828.6	22.5°	3677.3	3458.3	2744.0	1982.6	1829.3	1879.4	1958.0	2026.8	2073.0	2095.6
4079.2	25°	3882.7	3594.8	2611.4	1810.7	1742.9	1810.7	1889.3	1946.2	1983.6	2004.2
4359.2	27.5°	4110.6	3737.3	2434.5	1674.1	1667.2	1739.9	1804.8	1849.0	1868.6	1884.4
4656.8	30°	4339.5	3867.0	2220.4	1570.9	1601.4	1670.2	1716.4	1736.0	1741.9	1744.8
4988.9	32.5°	4587.1	3979.0	1995.4	1485.5	1538.5	1602.4	1629.9	1638.7	1611.2	1592.6
5391.7	35°	4886.7	4098.8	1775.3	1417.7	1476.6	1531.7	1540.5	1532.6	1500.2	1461.9
5896.7	37.5°	5257.1	4248.1	1599.4	1369.5	1418.7	1455.0	1444.2	1442.2	1445.2	1400.0
6503.9	40°	5711.0	4442.7	1470.7	1332.2	1371.5	1379.4	1348.9	1365.6	1380.4	1311.6
7170.0	42.5°	6215.0	4677.5	1389.2	1306.7	1332.2	1313.5	1266.4	1285.1	1283.1	1192.7
7839.0	45°	6728.9	4932.9	1360.7	1288.0	1295.9	1258.5	1206.5	1211.4	1170.1	1088.6
8480.6	47.5°	7239.7	5207.0	1378.4	1272.3	1250.7	1208.4	1168.1	1146.5	1085.6	1024.7
9095.6	50°	7740.8	5494.9	1443.2	1240.8	1188.8	1164.2	1134.7	1096.4	1031.6	979.5
9677.2	52.5°	8205.5	5784.7	1515.9	1188.8	1111.2	1125.9	1107.2	1063.0	999.2	946.1
10227.4	55°	8645.6	6074.5	1544.4	1117.1	1038.5	1092.5	1081.7	1000.1	923.5	880.3
10803.1	57.5°	9125.1	6423.3	1513.0	1025.7	979.5	1054.2	1012.9	922.5	878.3	845.9
11552.7	60°	9789.2	6970.5	1445.2	912.7	923.5	997.2	926.5	889.1	841.0	804.6
12676.7	62.5°	10892.5	7991.3	1336.1	800.7	857.7	912.7	885.2	847.9	798.7	763.4
14598.3	65°	12523.4	9410.0	1130.8	713.3	784.0	830.2	841.0	803.7	752.6	715.2
16282.3	67.5°	13898.8	10300.1	855.7	640.6	708.4	763.4	793.8	757.5	703.4	667.1
16676.2	70°	13823.2	9653.6	653.3	568.8	641.5	697.5	736.8	708.4	650.4	616.0
15147.5	72.5°	12277.8	8075.8	528.6	496.1	573.8	628.8	675.9	654.3	595.4	562.0
11096.9	75°	9019.9	5732.6	422.5	422.5	489.3	557.1	609.1	595.4	541.3	517.8
4658.8	77.5°	3802.1	2405.1	331.1	350.7	406.7	478.5	543.3	548.2	501.1	530.5
1232.0	80°	1010.9	663.2	252.5	276.1	319.3	394.9	472.6	470.6	419.5	392.0
457.8	82.5°	385.1	261.3	179.8	194.5	230.9	302.6	374.3	386.1	335.0	289.8
179.8	85°	148.4	112.0	111.0	116.9	134.6	200.4	282.9	292.8	252.5	214.2
50.1	87.5°	38.3	33.4	41.3	39.3	61.9	107.1	162.1	168.0	154.2	89.4
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°
2714.5
2589.8
2400.1
2227.2
2123.1
2093.6
2117.2
2150.6
2150.6
2101.5
2010.1
1890.2
1751.7
1598.5
1463.9
1402.9
1313.5
1191.7
1091.5
1024.7
975.6
947.1
876.4
842.9
802.7
763.4
717.2
668.1
618.9
562.0
510.9
481.4
364.5
289.8
221.1
127.7
0.0

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