

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: P847836

Luminaire Tested: **GLAN-SB4A-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847836
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-SB4A-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15842 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

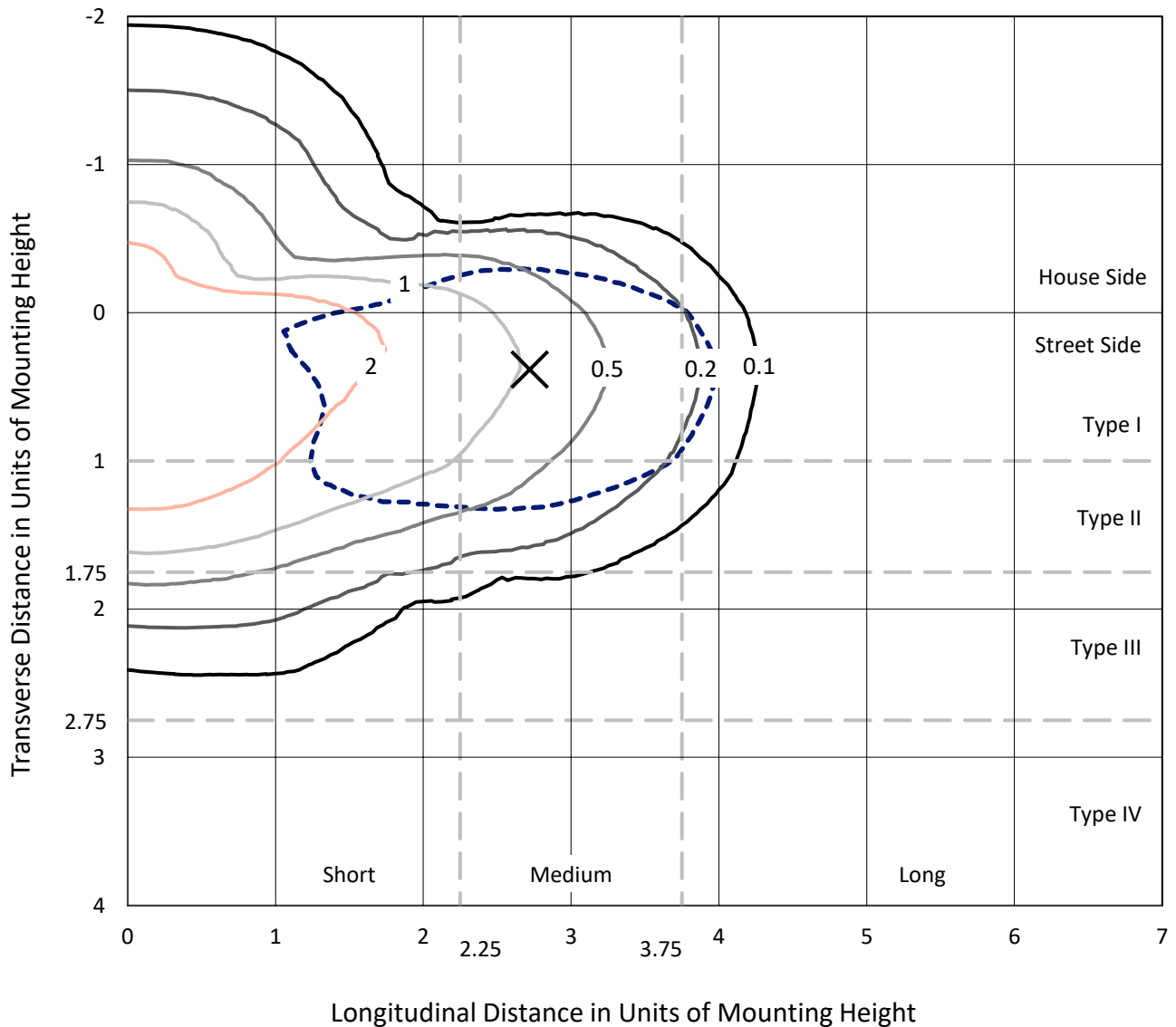
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847836
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Iso-Footcandle Lines of Horizontal Illumination

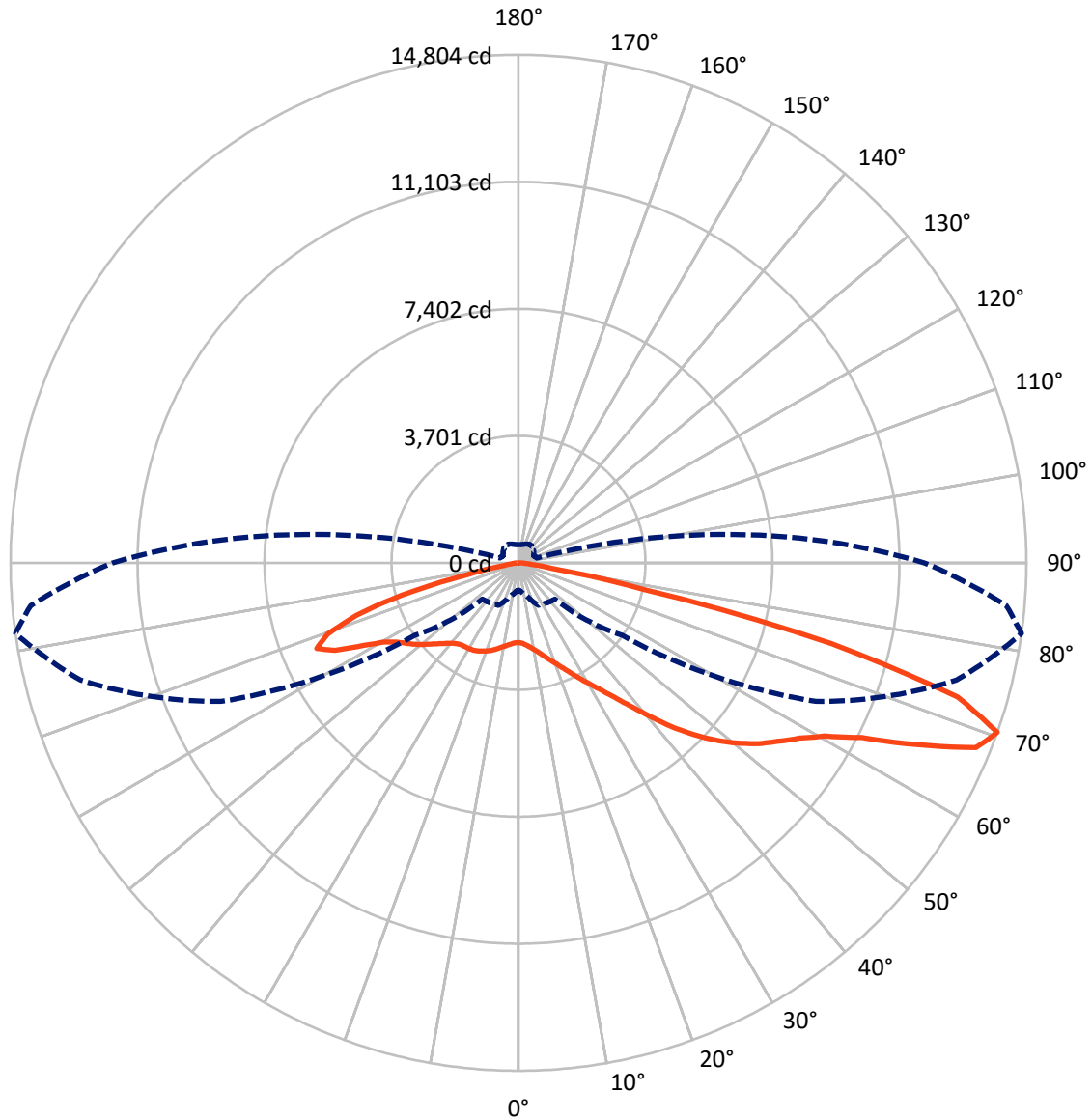
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P847836
CATALOG NUMBER: GLAN-SB4A-840-U-T2

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GLAN-SB4A-840-U-T2

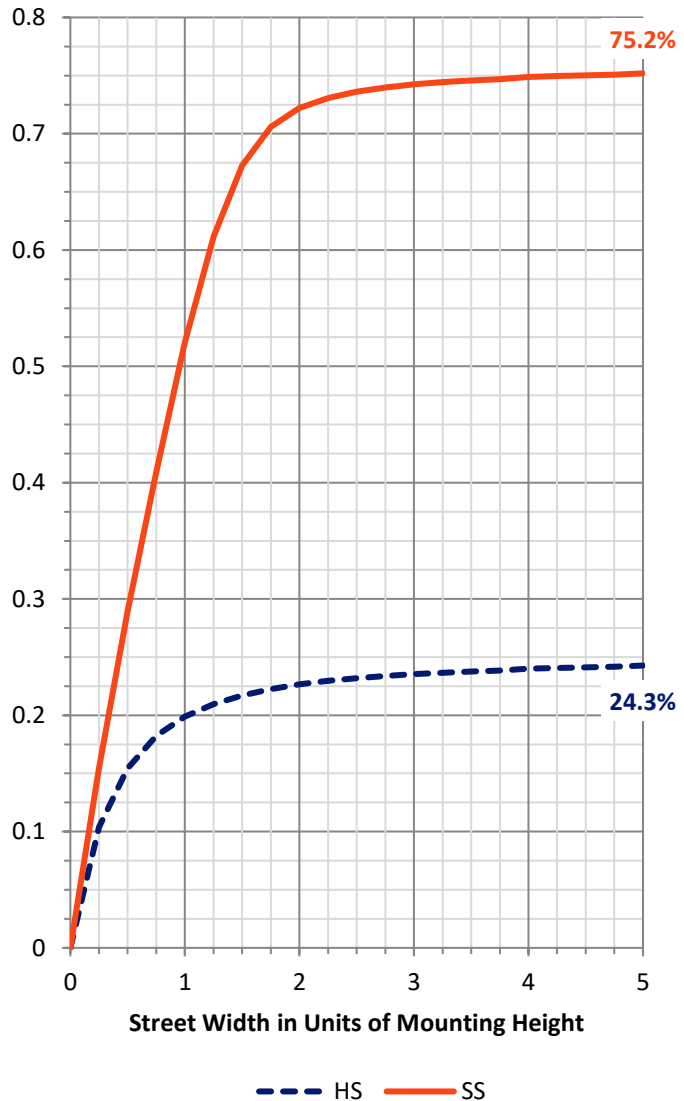
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3905.4	0.0	3905.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11936.6	0.0	11936.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	15842.0	0.0	15842.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.3	1.4
10°-20°	630.1	4.0
20°-30°	1054.0	6.7
30°-40°	1646.7	10.4
40°-50°	2622.5	16.6
50°-60°	3649.5	23.0
60°-70°	3817.6	24.1
70°-80°	1995.3	12.6
80°-90°	207.2	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°	15842.0	100.0
0°-180°	15842.0	100.0

Coefficient of Utilization



REPORT NUMBER: P847836

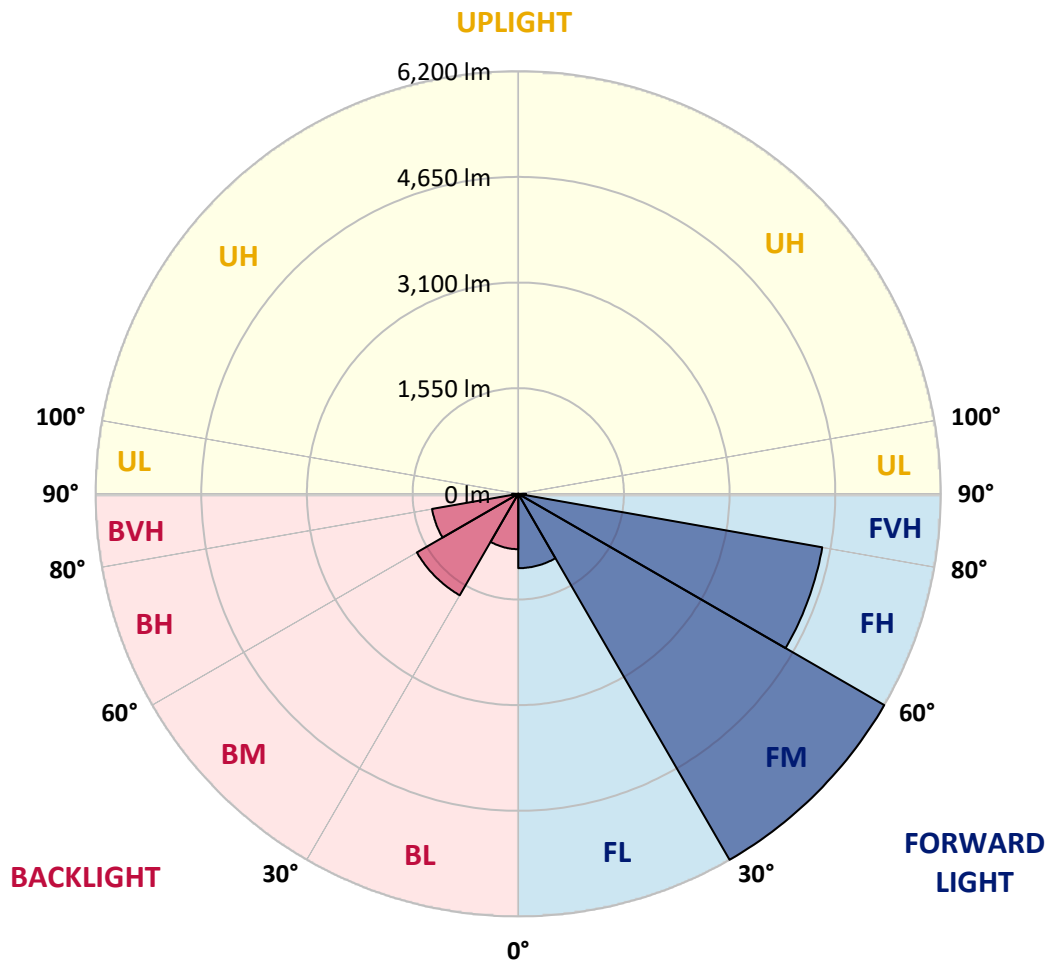
CATALOG NUMBER: GLAN-SB4A-840-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1090.9	6.9			
FM (30°-60°)	6200.4	39.1			
FH (60°-80°)	4529.3	28.6			G2/5000
FVH (80°-90°)	116.0	0.7			G2/225
BL (0°-30°)	812.5	5.1	B2/1000		
BM (30°-60°)	1718.2	10.8	B2/2500		
BH (60°-80°)	1283.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	91.2	0.6			G1/100
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



REPORT NUMBER: P847836
 CATALOG NUMBER: GLAN-SB4A-840-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6
2.5°	2378.1	2391.6	2387.4	2383.2	2383.2	2377.3	2376.4	2368.0	2361.3	2350.4
5°	2408.4	2422.7	2421.0	2424.4	2435.3	2437.8	2440.3	2435.3	2421.8	2408.4
7.5°	2381.5	2397.5	2402.5	2422.7	2456.3	2486.6	2509.3	2518.5	2505.9	2486.6
10°	2290.7	2308.3	2326.0	2373.9	2433.6	2505.1	2565.6	2601.7	2599.2	2580.7
12.5°	2106.6	2125.1	2162.9	2256.2	2365.5	2491.6	2604.2	2679.9	2706.0	2692.5
15°	1959.5	1975.5	2004.0	2099.9	2241.9	2433.6	2618.5	2765.6	2832.1	2824.5
17.5°	1955.3	1962.0	1979.7	2025.1	2134.3	2342.8	2603.4	2849.7	2976.6	2975.8
20°	2029.3	2031.8	2041.9	2051.1	2113.3	2273.9	2564.7	2919.5	3138.9	3138.9
22.5°	2131.8	2130.1	2140.2	2131.8	2162.1	2268.0	2540.4	2980.8	3319.6	3333.1
25°	2285.6	2277.2	2274.7	2255.4	2261.3	2322.6	2567.3	3050.6	3534.0	3561.7
27.5°	2490.8	2477.3	2468.1	2423.5	2408.4	2435.3	2649.6	3134.7	3772.7	3820.6
30°	2758.1	2733.7	2720.2	2642.9	2588.3	2592.5	2774.0	3246.5	4022.4	4099.7
32.5°	3122.9	3085.1	3048.9	2922.0	2822.0	2789.2	2934.6	3401.2	4293.1	4416.6
35°	3531.4	3501.2	3462.5	3266.7	3112.8	3037.2	3151.5	3617.2	4610.0	4805.8
37.5°	3924.9	3898.8	3917.3	3653.3	3455.0	3344.8	3435.6	3907.2	5000.9	5290.0
40°	4331.7	4311.5	4314.1	4061.9	3830.7	3707.1	3780.3	4271.2	5448.9	5865.9
42.5°	4773.9	4758.8	4708.3	4484.7	4225.0	4109.8	4177.0	4691.5	5929.7	6521.5
45°	5269.0	5259.8	5212.7	4956.3	4658.7	4529.3	4620.1	5155.5	6413.1	7138.6
47.5°	5696.9	5704.5	5698.6	5482.5	5174.0	4984.0	5092.5	5639.7	6862.8	7718.6
50°	5902.8	5942.3	6000.4	5933.1	5741.4	5548.1	5569.1	6107.1	7291.5	8262.5
52.5°	5795.2	5870.1	6028.1	6135.7	6209.7	6169.3	6113.0	6571.1	7695.0	8753.4
55°	5394.3	5499.3	5761.6	6021.4	6398.8	6692.2	6766.2	7085.6	8088.5	9185.5
57.5°	4663.8	4834.4	5069.8	5595.2	6230.7	6945.2	7527.8	7799.3	8505.4	9647.0
60°	3411.2	3639.9	3932.4	4714.2	5642.2	6809.9	8175.9	8895.4	9098.0	10244.6
62.5°	2183.1	2324.3	2593.3	3329.7	4396.4	6116.4	8374.3	10265.7	10102.6	11224.8
65°	1494.6	1585.4	1831.7	2245.3	2842.1	4552.8	7843.0	11292.9	11698.1	12778.3
67.5°	1086.1	1155.0	1365.2	1727.5	1851.9	2694.2	6086.1	11245.8	13249.0	14378.8
70°	791.9	840.6	1017.2	1365.2	1424.9	1498.8	3687.0	9559.5	13215.4	14804.2
72.5°	586.8	620.4	738.9	1059.2	1153.3	1012.1	1825.0	6947.7	11355.9	13390.2
75°	424.5	449.7	537.2	810.4	923.0	770.8	910.4	4060.2	7921.2	9419.2
77.5°	324.5	343.8	401.0	593.5	738.9	578.3	564.9	1867.9	3755.9	3774.4
80°	260.6	273.2	304.3	417.8	566.6	432.9	368.2	754.0	1187.0	1004.5
82.5°	191.7	212.7	257.2	293.4	405.2	298.4	224.4	380.8	451.4	388.4
85°	109.3	123.6	155.5	210.2	258.9	182.4	128.6	169.0	210.2	172.3
87.5°	38.7	50.4	54.6	82.4	112.6	75.7	49.6	48.8	68.9	51.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847836
 CATALOG NUMBER: GLAN-SB4A-840-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2322.6	0°	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6	2322.6
2347.9	2.5°	2339.4	2335.2	2318.4	2295.7	2272.2	2249.5	2241.9	2226.0	2215.0	2209.2
2402.5	5°	2386.5	2373.1	2333.6	2283.1	2230.2	2173.0	2132.7	2095.7	2068.8	2043.5
2477.3	7.5°	2453.8	2430.2	2362.1	2273.9	2179.7	2084.7	2014.1	1960.3	1924.2	1900.6
2564.7	10°	2531.9	2495.8	2391.6	2259.6	2114.2	1978.0	1894.8	1848.5	1825.8	1813.2
2664.8	12.5°	2621.9	2570.6	2421.8	2226.8	2014.1	1858.6	1801.5	1788.0	1788.8	1789.7
2790.9	15°	2732.9	2661.4	2446.2	2155.4	1883.8	1767.0	1756.9	1778.8	1801.5	1812.4
2933.8	17.5°	2858.1	2757.2	2450.4	2037.7	1756.1	1708.1	1740.1	1787.2	1821.6	1836.8
3093.5	20°	2992.6	2854.7	2420.1	1871.2	1651.0	1660.2	1717.4	1777.9	1815.7	1835.1
3275.9	22.5°	3146.4	2959.0	2347.9	1696.4	1565.2	1608.1	1675.4	1734.2	1773.7	1793.0
3490.3	25°	3322.1	3075.8	2234.4	1549.3	1491.3	1549.3	1616.5	1665.3	1697.2	1714.9
3729.8	27.5°	3517.2	3197.7	2083.1	1432.4	1426.5	1488.7	1544.2	1582.0	1598.9	1612.3
3984.5	30°	3713.0	3308.7	1899.8	1344.2	1370.2	1429.1	1468.6	1485.4	1490.4	1492.9
4268.7	32.5°	3924.9	3404.5	1707.3	1271.0	1316.4	1371.1	1394.6	1402.2	1378.6	1362.6
4613.3	35°	4181.2	3507.1	1519.0	1213.0	1263.5	1310.5	1318.1	1311.4	1283.6	1250.8
5045.4	37.5°	4498.2	3634.8	1368.5	1171.8	1213.9	1245.0	1235.7	1234.0	1236.6	1197.9
5564.9	40°	4886.5	3801.3	1258.4	1139.9	1173.5	1180.2	1154.2	1168.5	1181.1	1122.2
6134.9	42.5°	5317.8	4002.2	1188.6	1118.0	1139.9	1123.9	1083.6	1099.5	1097.9	1020.5
6707.3	45°	5757.4	4220.8	1164.3	1102.1	1108.8	1076.8	1032.3	1036.5	1001.2	931.4
7256.2	47.5°	6194.5	4455.3	1179.4	1088.6	1070.1	1034.0	999.5	981.0	928.9	876.8
7782.5	50°	6623.3	4701.6	1234.9	1061.7	1017.2	996.1	970.9	938.1	882.7	838.1
8280.1	52.5°	7020.9	4949.6	1297.1	1017.2	950.7	963.4	947.4	909.6	854.9	809.5
8750.9	55°	7397.5	5197.6	1321.5	955.8	888.5	934.8	925.5	855.8	790.2	753.2
9243.5	57.5°	7807.7	5496.0	1294.6	877.6	838.1	902.0	866.7	789.3	751.5	723.8
9884.9	60°	8375.9	5964.2	1236.6	780.9	790.2	853.2	792.7	760.8	719.6	688.5
10846.5	62.5°	9320.0	6837.6	1143.2	685.1	733.9	780.9	757.4	725.5	683.4	653.2
12490.8	65°	10715.4	8051.5	967.6	610.3	670.8	710.3	719.6	687.6	643.9	612.0
13931.6	67.5°	11892.3	8813.1	732.2	548.1	606.1	653.2	679.2	648.1	601.9	570.8
14268.7	70°	11827.5	8259.9	559.0	486.7	548.9	596.8	630.5	606.1	556.5	527.1
12960.7	72.5°	10505.2	6909.9	452.3	424.5	490.9	538.0	578.3	559.9	509.4	480.8
9494.8	75°	7717.7	4905.0	361.5	361.5	418.6	476.6	521.2	509.4	463.2	443.0
3986.2	77.5°	3253.2	2057.8	283.3	300.1	348.0	409.4	464.9	469.1	428.7	453.9
1054.1	80°	865.0	567.4	216.0	236.2	273.2	337.9	404.3	402.7	358.9	335.4
391.7	82.5°	329.5	223.6	153.8	166.4	197.5	258.9	320.3	330.4	286.7	248.0
153.8	85°	126.9	95.8	95.0	100.0	115.2	171.5	242.1	250.5	216.0	183.3
42.9	87.5°	32.8	28.6	35.3	33.6	53.0	91.6	138.7	143.7	132.0	76.5
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°
2322.6
2215.9
2053.6
1905.7
1816.6
1791.4
1811.5
1840.1
1840.1
1798.1
1719.9
1617.4
1498.8
1367.7
1252.5
1200.4
1123.9
1019.7
933.9
876.8
834.7
810.4
749.8
721.3
686.8
653.2
613.7
571.6
529.6
480.8
437.1
411.9
311.9
248.0
189.1
109.3
0.0

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