

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: P846888

Luminaire Tested: **GLAN-SB2D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15924 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

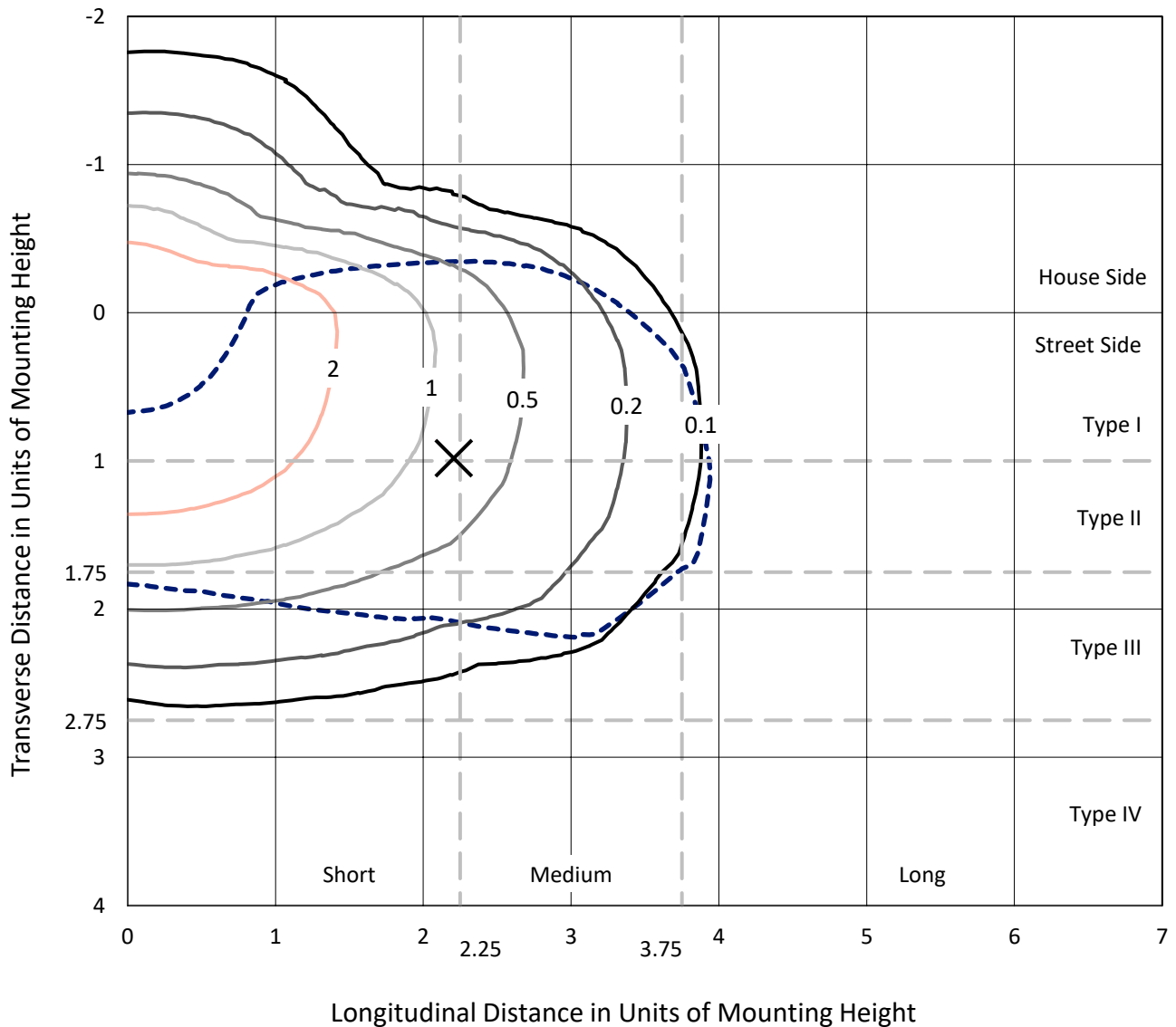
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

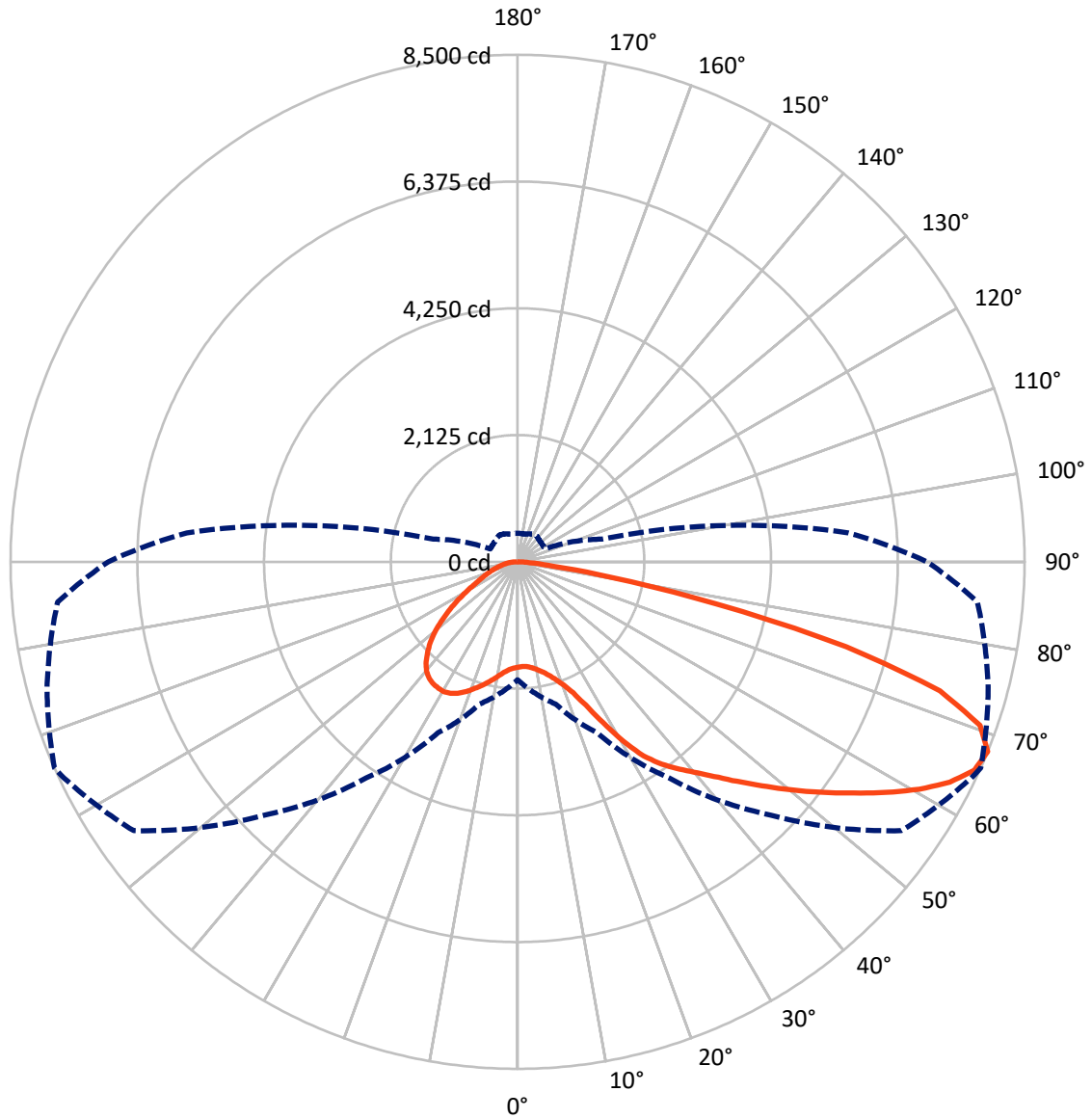
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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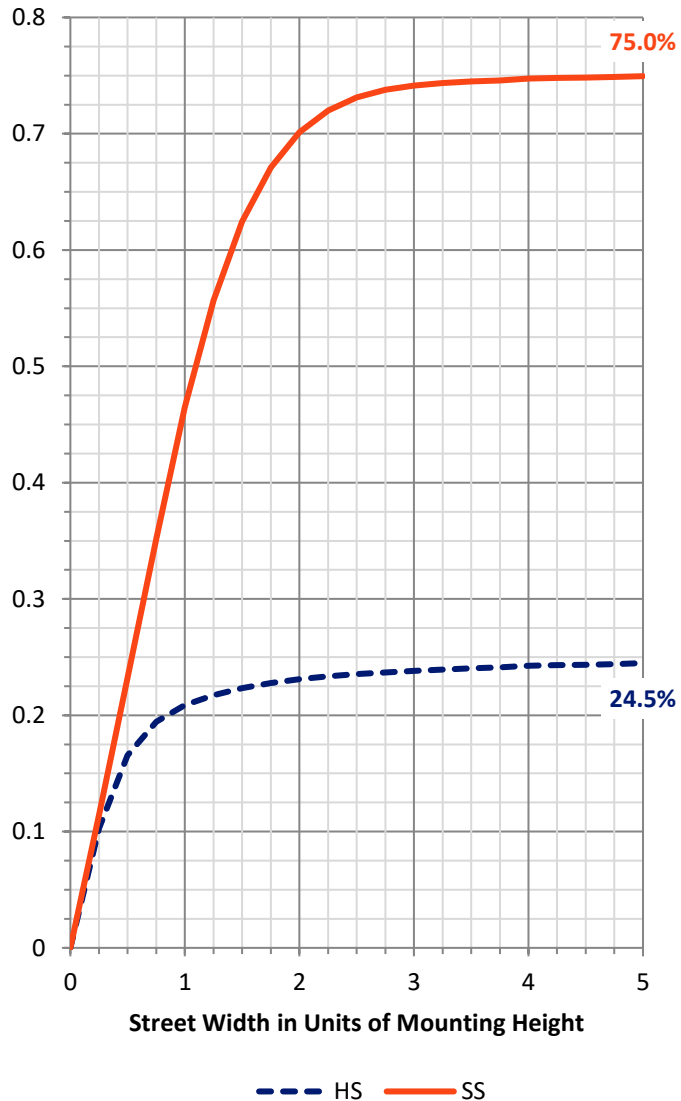
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3959.4	0.0	3959.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11964.5	0.0	11964.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	15924.0	0.0	15924.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	1.1
10°-20°	578.5	3.6
20°-30°	1115.1	7.0
30°-40°	1955.2	12.3
40°-50°	2906.7	18.3
50°-60°	3684.6	23.1
60°-70°	3605.2	22.6
70°-80°	1719.7	10.8
80°-90°	183.8	1.2
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°	15924.0	100.0
0°-180°	15924.0	100.0

Coefficient of Utilization



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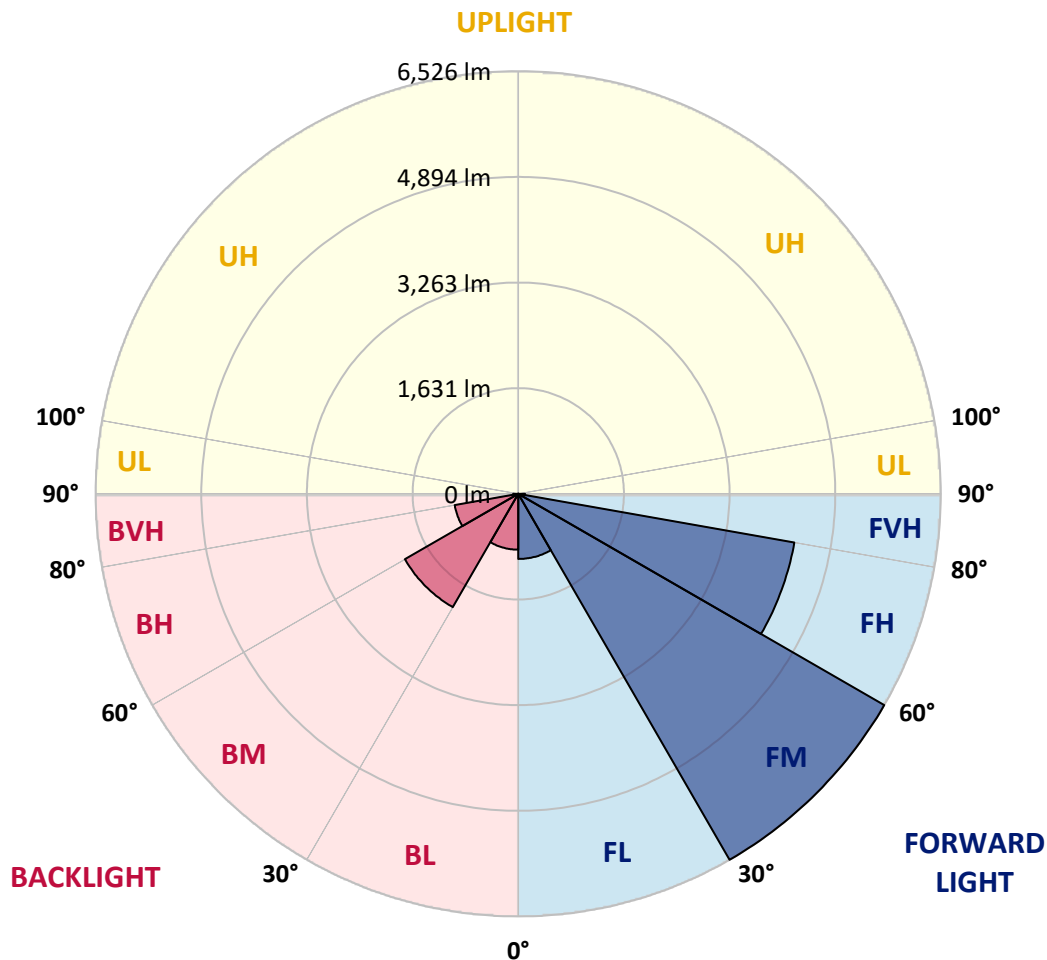
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1006.2	6.3			
FM (30°-60°)	6525.5	41.0			
FH (60°-80°)	4328.6	27.2			G2/5000
FVH (80°-90°)	104.2	0.7			G2/225
BL (0°-30°)	862.5	5.4	B2/1000		
BM (30°-60°)	2020.9	12.7	B2/2500		
BH (60°-80°)	996.4	6.3	B2/1000		G2/1000
BVH (80°-90°)	79.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
2.5°	1747.8	1757.8	1755.3	1751.1	1750.3	1752.0	1754.5	1757.0	1756.1	1760.3
5°	1742.8	1752.8	1752.0	1752.0	1755.3	1762.0	1766.2	1770.4	1766.2	1771.2
7.5°	1746.1	1753.6	1757.0	1760.3	1768.7	1781.2	1791.3	1800.5	1795.5	1801.3
10°	1788.8	1794.6	1798.0	1798.0	1803.8	1818.1	1828.1	1844.8	1840.6	1849.8
12.5°	1866.6	1872.4	1872.4	1869.1	1873.3	1882.5	1885.8	1904.2	1896.7	1911.8
15°	1962.0	1973.7	1964.5	1958.6	1960.3	1969.5	1968.7	1982.9	1975.3	1987.9
17.5°	2067.4	2082.4	2067.4	2066.5	2063.2	2073.2	2074.1	2086.6	2073.2	2082.4
20°	2192.0	2213.0	2200.4	2204.6	2197.1	2201.2	2205.4	2223.8	2202.9	2209.6
22.5°	2367.7	2392.8	2379.5	2395.3	2390.3	2387.0	2386.1	2418.8	2386.1	2388.7
25°	2623.8	2653.9	2630.4	2652.2	2652.2	2663.1	2675.6	2717.5	2663.1	2647.2
27.5°	3001.9	3032.0	2986.0	2999.4	2995.2	3022.0	3008.6	3112.4	3053.8	3027.9
30°	3457.1	3510.6	3423.6	3420.3	3416.1	3458.7	3478.0	3546.6	3487.2	3461.2
32.5°	3949.0	4005.1	3901.3	3871.2	3855.3	3881.2	3865.4	3920.6	3879.6	3839.4
35°	4469.4	4524.6	4425.9	4367.3	4303.8	4249.4	4192.5	4206.7	4168.2	4107.1
37.5°	4961.4	5062.6	4958.0	4895.3	4778.1	4671.9	4512.9	4446.8	4410.9	4354.8
40°	5462.5	5520.3	5440.8	5387.2	5260.1	5093.6	4839.2	4699.5	4651.0	4596.6
42.5°	5831.5	5886.7	5844.0	5807.2	5707.7	5514.4	5185.6	5010.7	4940.5	4879.4
45°	6124.3	6165.3	6138.5	6151.9	6109.3	5921.9	5544.5	5344.6	5271.8	5197.3
47.5°	6242.3	6285.8	6328.5	6408.0	6480.7	6342.7	5930.2	5706.0	5629.0	5552.9
50°	6228.9	6273.3	6397.1	6566.1	6792.0	6746.0	6336.8	6090.9	6019.7	5932.7
52.5°	6121.8	6172.0	6331.0	6612.1	6971.9	7048.0	6751.0	6488.3	6421.3	6317.6
55°	5840.7	5870.8	6109.3	6507.5	7014.5	7258.8	7156.8	6911.6	6844.7	6699.9
57.5°	5319.5	5363.0	5710.2	6225.6	6907.4	7401.9	7513.2	7356.7	7292.3	7084.0
60°	4639.3	4708.7	5106.1	5752.0	6634.7	7401.1	7837.0	7794.3	7740.7	7462.1
62.5°	3869.5	3949.9	4332.2	5082.7	6157.8	7191.1	8039.4	8160.7	8133.1	7811.0
65°	2971.8	3027.0	3407.7	4216.7	5415.7	6740.1	8062.9	8410.9	8415.9	8076.2
67.5°	1978.7	2137.7	2468.1	3164.2	4421.7	6003.0	7857.0	8451.9	8500.4	8167.4
70°	965.5	1174.7	1498.5	2056.5	3164.2	4872.7	7319.1	8115.6	8223.5	7901.4
72.5°	400.8	468.5	645.1	1014.9	1816.4	3288.1	6238.1	7203.6	7403.6	7001.1
75°	270.2	292.8	369.0	520.4	827.5	1621.4	4498.7	5371.3	5693.4	5287.7
77.5°	208.3	222.6	268.6	363.9	492.0	613.3	2407.9	3237.0	3403.5	3150.8
80°	164.0	174.9	200.8	265.2	348.9	328.0	820.8	1466.7	1562.9	1311.0
82.5°	142.2	146.4	143.9	179.9	231.8	191.6	269.4	541.3	597.4	433.4
85°	102.9	114.6	119.6	111.3	123.0	97.1	110.4	191.6	210.8	188.2
87.5°	41.8	61.9	76.1	72.0	45.2	27.6	34.3	56.1	64.4	70.3
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°
1766.2	0°	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2	1766.2
1767.0	2.5°	1767.9	1773.7	1777.9	1782.9	1786.3	1791.3	1801.3	1807.2	1808.0	1812.2
1780.4	5°	1783.8	1792.1	1801.3	1814.7	1829.8	1842.3	1861.6	1874.9	1880.0	1884.2
1813.0	7.5°	1818.1	1829.8	1846.5	1869.9	1891.7	1908.4	1931.8	1947.7	1963.6	1969.5
1864.9	10°	1869.1	1885.8	1910.1	1941.9	1965.3	1987.1	2011.3	2024.7	2040.6	2047.3
1926.8	12.5°	1932.7	1950.2	1982.0	2026.4	2048.1	2063.2	2071.6	2068.2	2071.6	2077.4
2001.3	15°	2005.5	2024.7	2060.7	2108.4	2123.4	2110.0	2091.6	2074.9	2072.4	2074.1
2091.6	17.5°	2091.6	2105.9	2147.7	2187.9	2177.0	2121.8	2081.6	2054.8	2041.4	2037.3
2207.1	20°	2212.1	2212.1	2246.4	2271.5	2198.7	2105.0	2042.3	1998.8	1971.2	1959.4
2364.4	22.5°	2358.5	2345.1	2366.9	2349.3	2194.6	2058.2	1971.2	1895.9	1854.0	1837.3
2584.4	25°	2544.3	2528.4	2522.5	2413.8	2164.4	1983.7	1842.3	1751.1	1714.3	1705.1
2901.5	27.5°	2824.6	2784.4	2708.3	2448.9	2109.2	1866.6	1691.7	1607.2	1586.3	1587.1
3309.0	30°	3197.7	3117.4	2930.8	2454.8	2018.9	1700.9	1537.8	1477.5	1467.5	1471.7
3651.2	32.5°	3543.2	3467.1	3158.4	2428.0	1880.0	1538.6	1399.7	1359.6	1344.5	1349.5
3912.2	35°	3814.3	3793.4	3369.2	2390.3	1709.3	1386.3	1275.9	1241.6	1212.3	1205.6
4158.2	37.5°	4070.3	4062.0	3527.3	2337.6	1540.3	1278.4	1176.3	1131.2	1088.5	1065.1
4430.1	40°	4351.5	4343.1	3631.1	2256.5	1390.5	1184.7	1086.8	1027.4	974.7	932.0
4738.0	42.5°	4667.7	4618.3	3680.5	2140.2	1263.4	1105.2	1014.0	933.7	864.3	824.9
5086.0	45°	5013.2	4902.0	3679.6	1992.1	1156.3	1032.4	936.2	822.4	758.0	721.2
5443.3	47.5°	5379.7	5173.0	3634.4	1828.1	1052.5	952.1	815.7	728.7	686.1	663.5
5831.5	50°	5757.9	5426.6	3557.5	1639.8	946.3	860.9	740.4	681.0	648.4	627.5
6216.4	52.5°	6113.4	5656.6	3464.6	1426.5	838.3	772.2	707.0	661.0	626.7	603.2
6589.5	55°	6443.9	5854.9	3333.2	1208.1	750.5	712.8	691.1	652.6	613.3	585.7
6968.5	57.5°	6737.6	5983.8	3106.5	1003.2	687.7	671.8	674.3	638.4	593.2	569.8
7341.7	60°	6981.9	6078.3	2771.0	813.2	636.7	631.7	648.4	611.6	558.9	532.1
7657.1	62.5°	7128.3	6076.6	2359.4	666.0	593.2	594.9	614.1	578.1	524.6	499.5
7821.9	65°	7115.8	5927.7	1907.6	569.8	551.4	553.0	578.1	541.3	496.1	481.1
7739.1	67.5°	6863.9	5564.6	1463.3	507.0	505.3	512.9	542.2	516.2	478.6	476.9
7245.4	70°	6182.1	4810.8	1054.2	456.8	457.7	468.5	507.0	500.3	469.4	472.7
6091.7	72.5°	4957.2	3667.9	707.8	404.1	404.9	422.5	473.5	487.8	460.2	504.5
4322.2	75°	3301.4	2287.4	455.1	348.0	348.9	371.5	444.3	463.5	435.1	502.8
2248.9	77.5°	1586.3	1028.3	329.6	292.8	292.8	313.7	384.0	415.0	370.6	390.7
722.9	80°	548.0	386.5	259.4	235.9	230.9	245.1	323.8	359.8	319.6	294.5
235.9	82.5°	215.9	200.8	208.3	183.2	166.5	175.7	251.8	297.0	235.1	212.5
133.0	85°	123.8	130.5	147.3	121.3	96.2	107.9	184.9	213.3	177.4	156.5
43.5	87.5°	33.5	46.0	67.8	62.7	43.5	46.0	87.8	118.0	102.1	78.6
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°
1766.2
1811.4
1883.3
1970.3
2050.6
2079.1
2079.9
2043.1
1956.9
1834.8
1706.8
1589.6
1485.9
1356.2
1210.6
1065.9
936.2
827.5
719.5
658.4
620.0
593.2
574.8
554.7
520.4
492.0
480.2
479.4
471.9
511.2
507.0
358.1
276.1
211.7
159.8
81.2
0.0

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