

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: P852377

Luminaire Tested: **GLAN-SB3B-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852377
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-SB3B-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14338 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

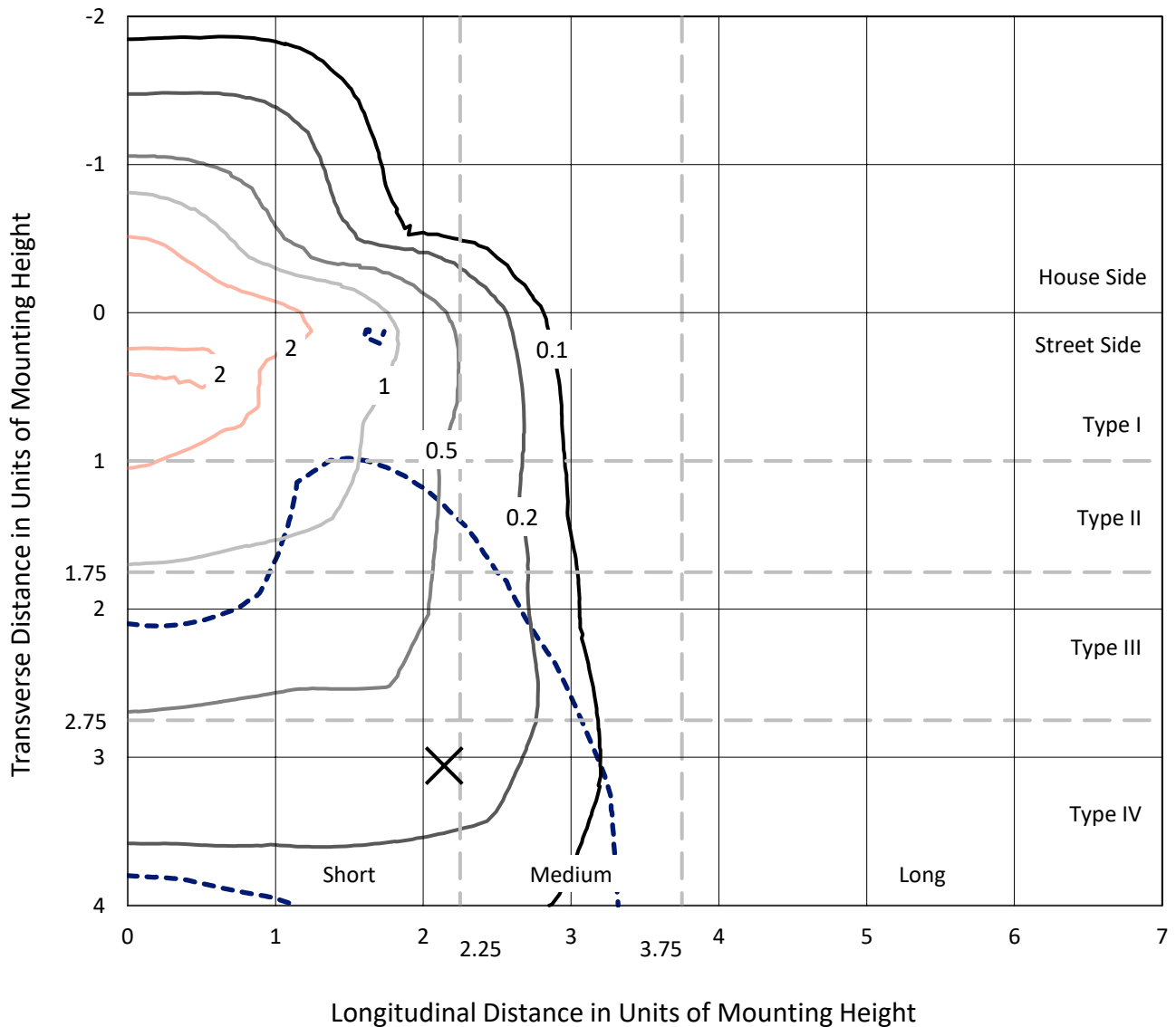
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

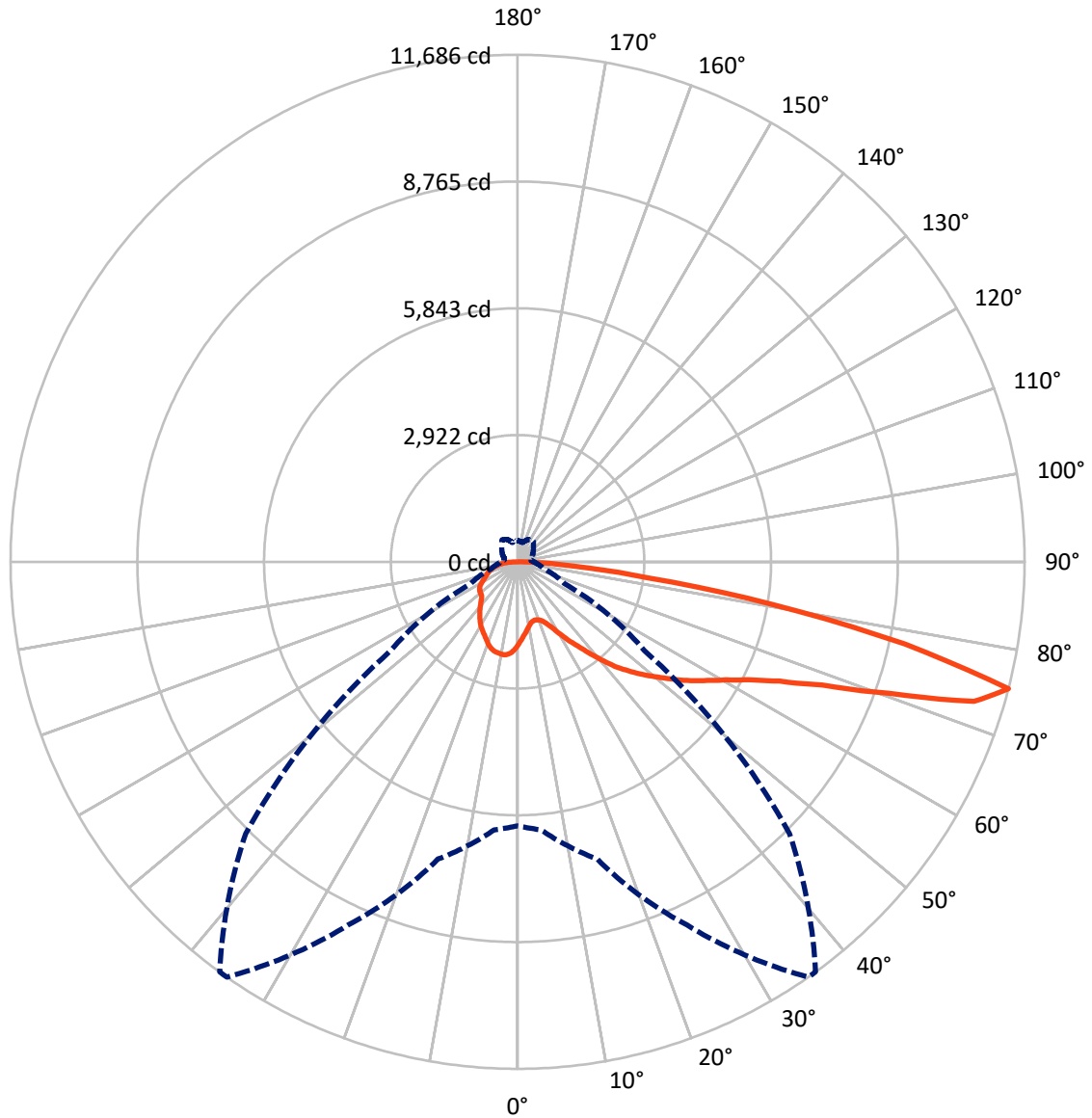
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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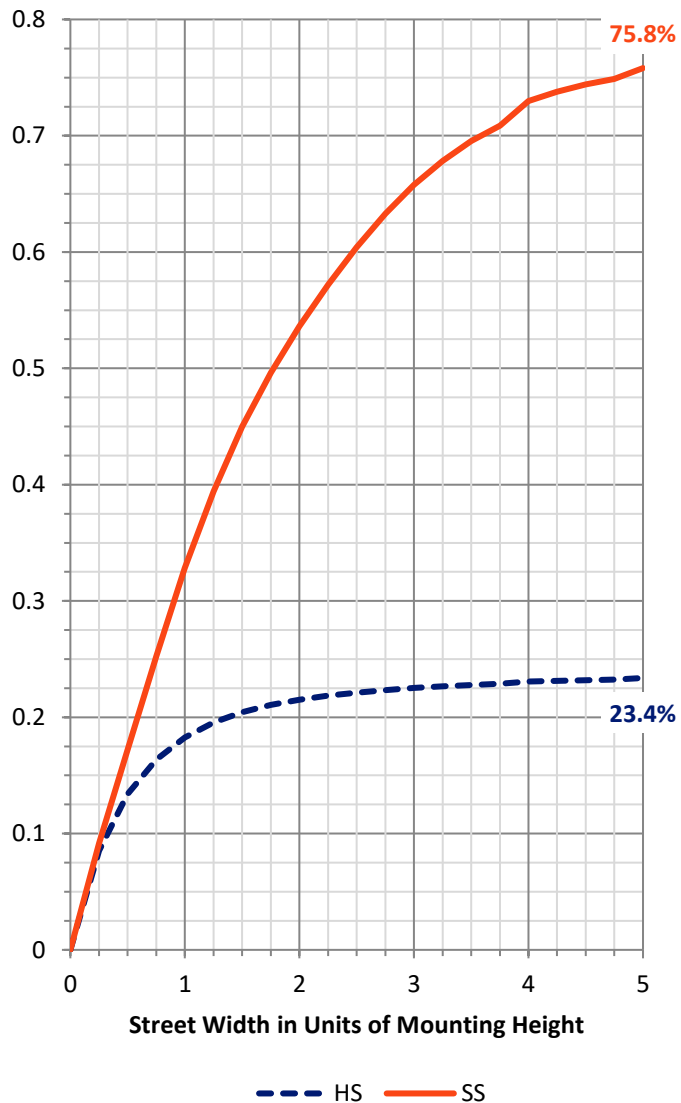
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3412.1	0.0	3412.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10925.9	0.0	10925.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	14338.0	0.0	14338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	1.3
10°-20°	521.8	3.6
20°-30°	876.2	6.1
30°-40°	1361.8	9.5
40°-50°	2021.2	14.1
50°-60°	2790.4	19.5
60°-70°	3385.4	23.6
70°-80°	2797.8	19.5
80°-90°	402.4	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°	14338.0	100.0
0°-180°	14338.0	100.0

Coefficient of Utilization



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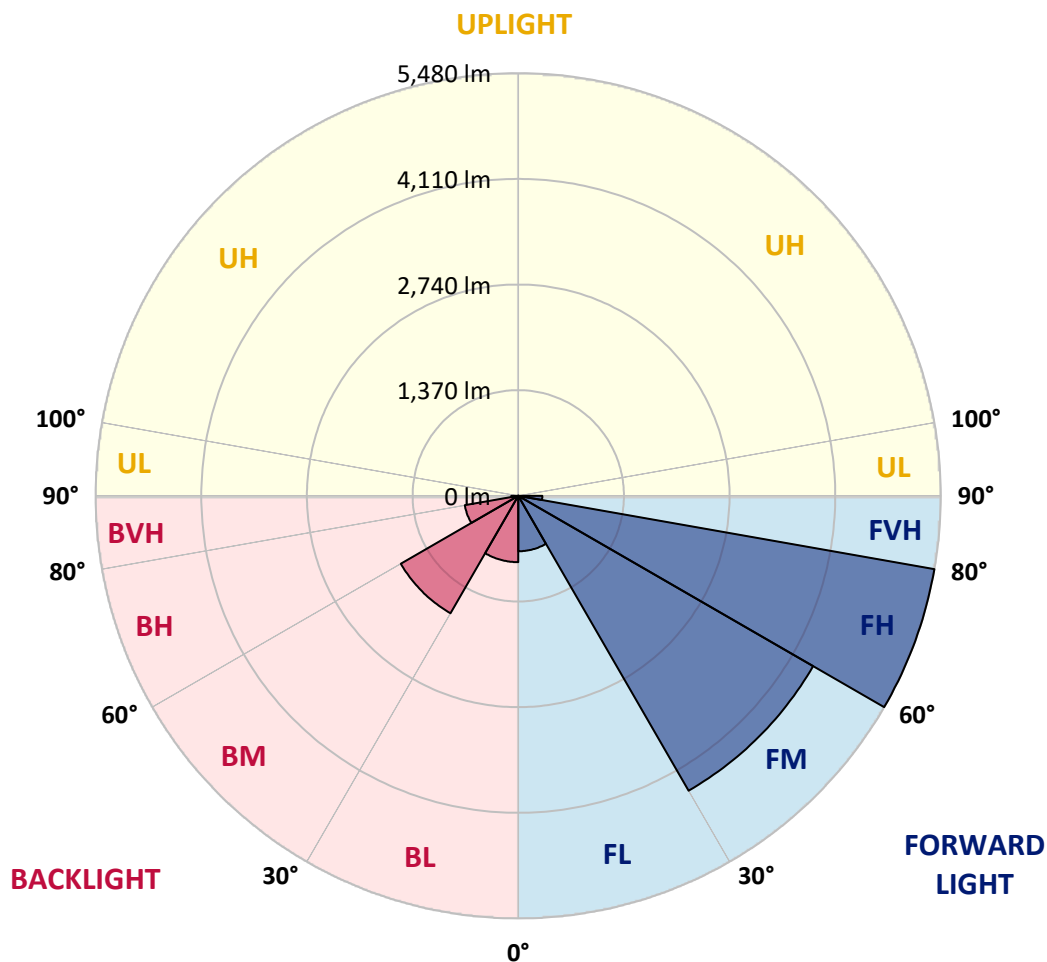
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.0	5.0			
FM (30°-60°)	4415.3	30.8			
FH (60°-80°)	5479.8	38.2			G3/7500
FVH (80°-90°)	311.8	2.2			G3/500
BL (0°-30°)	859.9	6.0	B2/1000		
BM (30°-60°)	1758.1	12.3	B2/2500		
BH (60°-80°)	703.5	4.9	B2/1000		G2/1000
BVH (80°-90°)	90.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6
2.5°	1761.8	1772.7	1777.3	1775.0	1786.6	1785.1	1801.3	1821.5	1849.4	1876.5
5°	1626.2	1637.8	1647.9	1657.2	1679.7	1686.6	1712.2	1751.0	1802.1	1854.1
7.5°	1499.8	1509.9	1525.4	1542.5	1580.4	1587.4	1630.0	1690.5	1761.8	1837.8
10°	1396.7	1406.8	1423.1	1442.5	1489.8	1498.3	1552.5	1633.1	1726.2	1822.3
12.5°	1352.6	1355.7	1365.0	1384.3	1425.4	1430.8	1490.5	1582.8	1691.3	1810.6
15°	1350.2	1356.4	1357.2	1367.3	1401.4	1403.7	1458.7	1550.2	1669.6	1808.3
17.5°	1373.5	1378.1	1371.2	1377.4	1406.0	1409.9	1453.3	1534.7	1662.6	1818.4
20°	1435.5	1439.4	1418.4	1409.9	1430.8	1433.9	1476.6	1544.8	1669.6	1839.3
22.5°	1567.3	1569.6	1518.4	1483.6	1485.1	1486.7	1523.9	1585.9	1696.7	1877.3
25°	1772.7	1771.1	1689.7	1622.3	1583.5	1575.0	1599.8	1652.5	1742.4	1927.7
27.5°	2012.9	2001.3	1919.9	1819.2	1734.7	1722.3	1716.9	1739.3	1807.5	1994.3
30°	2284.2	2273.4	2185.8	2054.0	1937.0	1916.8	1865.7	1854.1	1904.4	2085.0
32.5°	2581.9	2574.9	2470.3	2310.6	2154.0	2130.8	2044.7	2013.7	2053.3	2222.2
35°	2831.5	2825.3	2738.4	2574.1	2382.7	2354.0	2266.4	2231.5	2251.7	2398.2
37.5°	3057.0	3053.9	2979.5	2850.1	2652.4	2617.5	2519.1	2507.5	2503.6	2629.9
40°	3266.3	3258.5	3181.0	3112.8	2966.3	2934.6	2847.7	2837.7	2808.2	2915.2
42.5°	3498.1	3477.9	3365.5	3333.7	3294.2	3267.8	3215.9	3217.5	3152.4	3236.8
45°	3687.2	3675.6	3560.1	3541.5	3584.1	3573.2	3618.2	3629.8	3503.5	3574.0
47.5°	3890.3	3879.4	3781.7	3768.6	3884.1	3887.2	4046.1	4049.9	3846.1	3924.4
50°	4140.6	4125.1	4028.2	4044.5	4173.9	4185.6	4476.2	4449.9	4161.5	4280.1
52.5°	4305.7	4315.0	4294.1	4320.4	4497.2	4508.0	4899.4	4832.0	4473.9	4631.3
55°	4427.4	4446.0	4511.1	4571.6	4838.2	4849.1	5298.6	5195.5	4732.8	4956.8
57.5°	4584.0	4557.6	4679.3	4797.1	5162.2	5190.9	5687.0	5545.9	4962.2	5237.4
60°	4808.8	4790.2	4884.7	5059.1	5525.0	5570.7	6097.8	5861.3	5130.4	5459.8
62.5°	5264.5	5218.0	5232.7	5387.0	5982.3	6042.7	6561.3	6136.5	5214.1	5546.7
65°	5945.8	5866.0	5791.6	5898.6	6626.4	6686.1	7084.5	6352.8	5183.1	5378.5
67.5°	6803.9	6724.8	6633.4	6734.1	7575.1	7622.4	7730.1	6474.5	4939.0	4730.5
70°	7511.5	7482.1	7591.4	8006.1	9090.4	9092.0	8557.9	6373.7	4270.1	3353.9
72.5°	7417.8	7399.9	7975.8	9257.9	11000.3	10959.2	9341.6	5611.0	2876.4	1513.0
75°	6085.4	6200.8	7093.0	9235.4	11686.3	11680.8	8861.8	3567.0	1189.8	627.1
77.5°	3263.2	3446.1	4604.9	6818.6	9123.0	9260.2	6230.3	1247.9	510.8	401.5
80°	1064.2	1223.9	1835.5	3471.7	5928.0	5902.4	2670.2	489.9	349.6	284.5
82.5°	451.9	470.5	820.1	1639.3	3042.3	2995.0	850.3	281.4	245.7	194.6
85°	176.7	197.7	362.0	758.1	1317.7	1289.0	306.9	139.5	157.3	127.1
87.5°	58.1	70.5	129.4	259.7	410.0	395.3	75.2	48.1	68.2	58.1
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°
1910.6	0°	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6	1910.6
1916.1	2.5°	1926.9	1939.3	1954.0	1975.7	1994.3	2009.8	2026.1	2036.2	2040.1	2051.7
1919.2	5°	1940.9	1968.0	2004.4	2040.1	2075.0	2095.9	2114.5	2123.8	2132.3	2138.5
1927.7	7.5°	1964.1	1999.0	2056.4	2102.9	2132.3	2149.4	2161.8	2158.7	2161.8	2163.3
1937.0	10°	1984.3	2033.1	2101.3	2145.5	2168.0	2168.7	2165.6	2154.8	2149.4	2150.1
1950.9	12.5°	2008.3	2062.6	2136.2	2173.4	2179.6	2162.5	2149.4	2130.8	2123.8	2120.7
1971.9	15°	2040.9	2102.9	2174.2	2188.1	2172.6	2150.9	2128.4	2098.2	2082.7	2070.3
2007.5	17.5°	2080.4	2148.6	2203.6	2193.5	2160.2	2124.6	2088.1	2042.4	2010.6	1997.4
2056.4	20°	2135.4	2196.6	2226.1	2181.9	2131.5	2077.3	2015.3	1959.5	1930.0	1916.8
2118.4	22.5°	2202.1	2261.0	2247.8	2161.8	2090.5	2003.6	1926.1	1885.1	1870.3	1861.0
2198.2	25°	2281.9	2332.3	2263.3	2132.3	2023.0	1906.0	1846.3	1833.1	1826.1	1819.2
2295.9	27.5°	2385.8	2412.9	2274.9	2088.9	1917.6	1802.1	1780.4	1782.7	1780.4	1768.8
2431.5	30°	2523.0	2517.5	2285.8	2018.4	1796.7	1708.3	1709.9	1720.0	1721.5	1713.8
2620.6	32.5°	2703.6	2648.5	2291.2	1926.9	1681.2	1626.2	1627.7	1638.6	1646.3	1633.1
2867.9	35°	2922.1	2801.2	2282.7	1812.2	1592.1	1547.9	1536.3	1539.4	1541.7	1529.3
3167.9	37.5°	3177.2	2972.5	2244.7	1685.1	1518.4	1471.2	1446.3	1425.4	1413.0	1401.4
3507.4	40°	3457.0	3159.3	2174.9	1561.1	1436.3	1389.8	1352.6	1313.0	1271.2	1255.7
3867.0	42.5°	3750.0	3351.6	2090.5	1442.5	1341.7	1303.7	1264.2	1206.8	1144.1	1112.3
4240.6	45°	4053.8	3548.4	2007.5	1325.4	1244.8	1228.5	1182.8	1113.8	1045.6	1005.3
4615.0	47.5°	4351.4	3734.5	1885.8	1207.6	1154.1	1172.0	1136.3	1072.7	996.8	933.2
4986.3	50°	4635.9	3908.9	1686.6	1088.2	1080.5	1154.9	1120.8	1029.3	942.5	861.1
5350.6	52.5°	4918.0	4049.9	1431.6	979.7	1041.0	1150.3	1100.7	999.9	893.7	808.4
5693.2	55°	5157.6	4122.8	1185.9	886.7	983.6	1110.7	1076.6	965.0	824.7	734.0
5928.0	57.5°	5294.0	4063.9	981.3	795.3	904.5	1045.6	1035.5	890.6	742.6	672.8
5973.7	60°	5235.1	3825.1	813.9	715.4	829.4	975.1	964.2	817.0	679.8	613.9
5728.8	62.5°	4910.3	3370.2	681.3	645.7	761.2	903.0	892.9	760.4	631.7	568.2
5078.5	65°	4256.1	2741.5	578.2	587.5	692.2	816.2	830.9	713.1	593.7	531.7
3929.0	67.5°	3246.1	1985.8	497.6	537.1	624.7	730.9	773.6	679.0	562.0	503.0
2273.4	70°	1850.2	1127.8	429.4	488.3	565.1	651.9	729.4	651.9	527.8	479.0
851.8	72.5°	701.5	517.8	371.3	439.5	507.7	585.2	680.5	609.2	488.3	451.9
440.3	75°	374.4	315.5	312.4	382.1	441.8	520.1	619.3	567.4	458.9	477.5
304.6	77.5°	255.0	223.2	261.2	327.1	369.7	448.0	554.2	503.8	397.6	396.1
210.8	80°	176.7	158.1	212.4	263.5	286.0	376.7	483.7	432.5	324.0	302.3
130.2	82.5°	106.2	103.1	158.9	196.9	202.3	290.7	400.7	362.7	265.1	231.0
77.5	85°	58.1	61.2	101.5	115.5	117.8	203.1	313.9	280.6	203.9	171.3
27.9	87.5°	16.3	20.9	37.2	45.7	56.6	105.4	186.8	166.6	102.3	71.3
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°
1910.6
2050.9
2140.1
2165.6
2151.7
2119.1
2074.2
1998.2
1915.3
1862.6
1819.2
1771.1
1717.6
1639.3
1537.8
1409.1
1262.6
1116.2
1002.2
926.3
854.2
799.1
726.3
663.5
604.6
558.1
521.6
493.7
472.8
445.7
493.0
365.1
289.1
232.5
172.8
71.3
0.0

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