

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: P852369

Luminaire Tested: **GLAN-SB3B-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852369
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-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13314 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

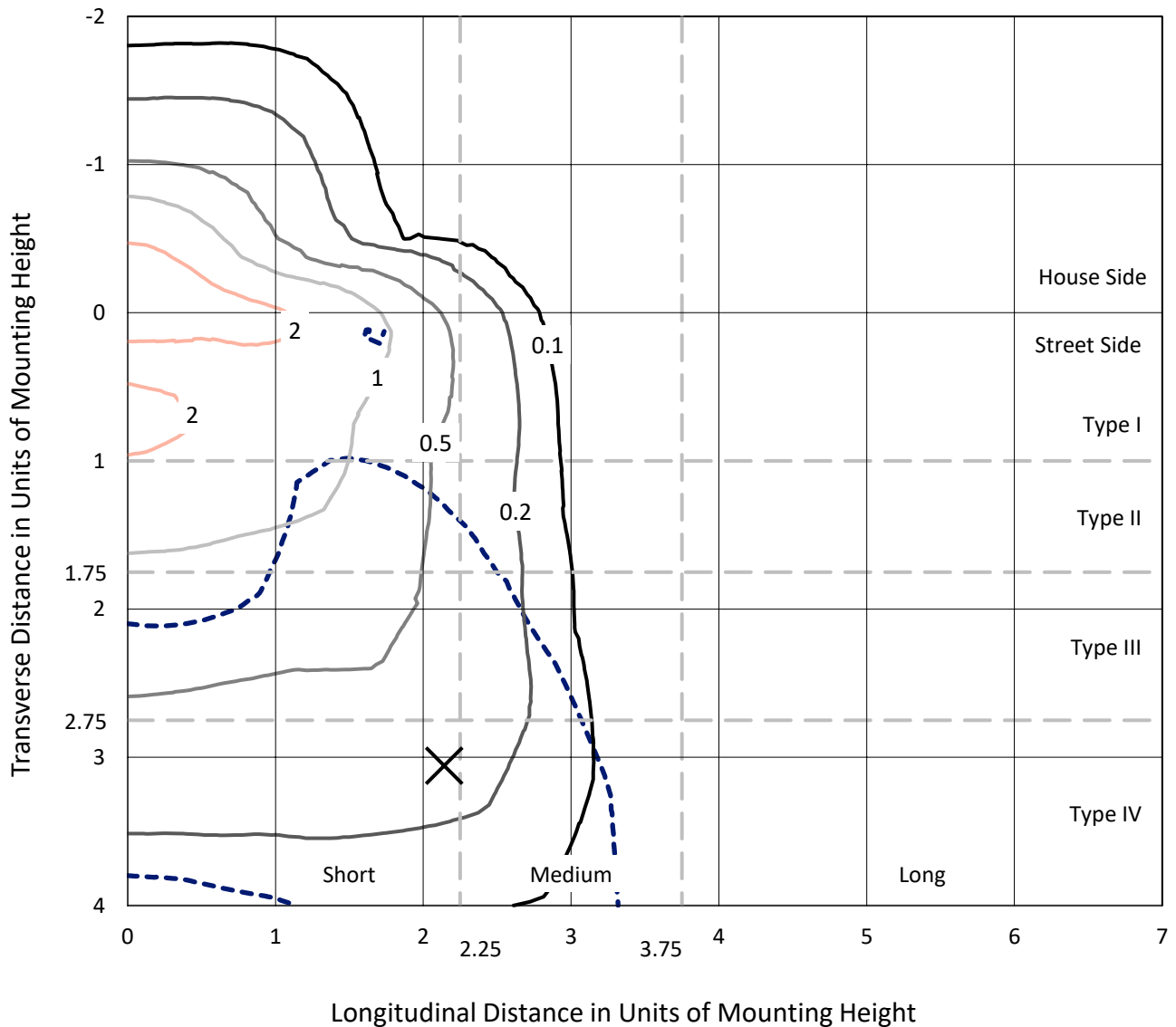
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

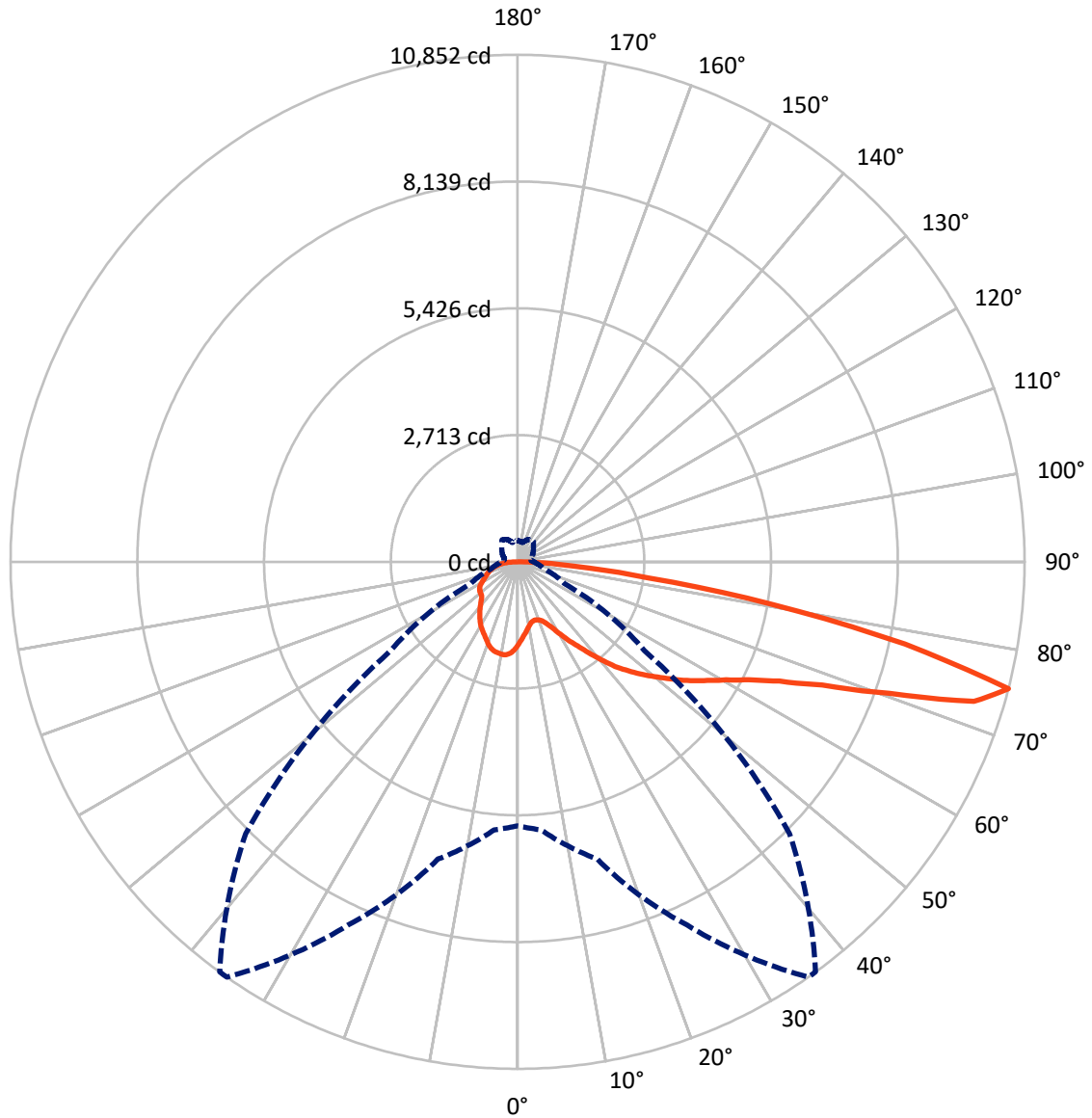
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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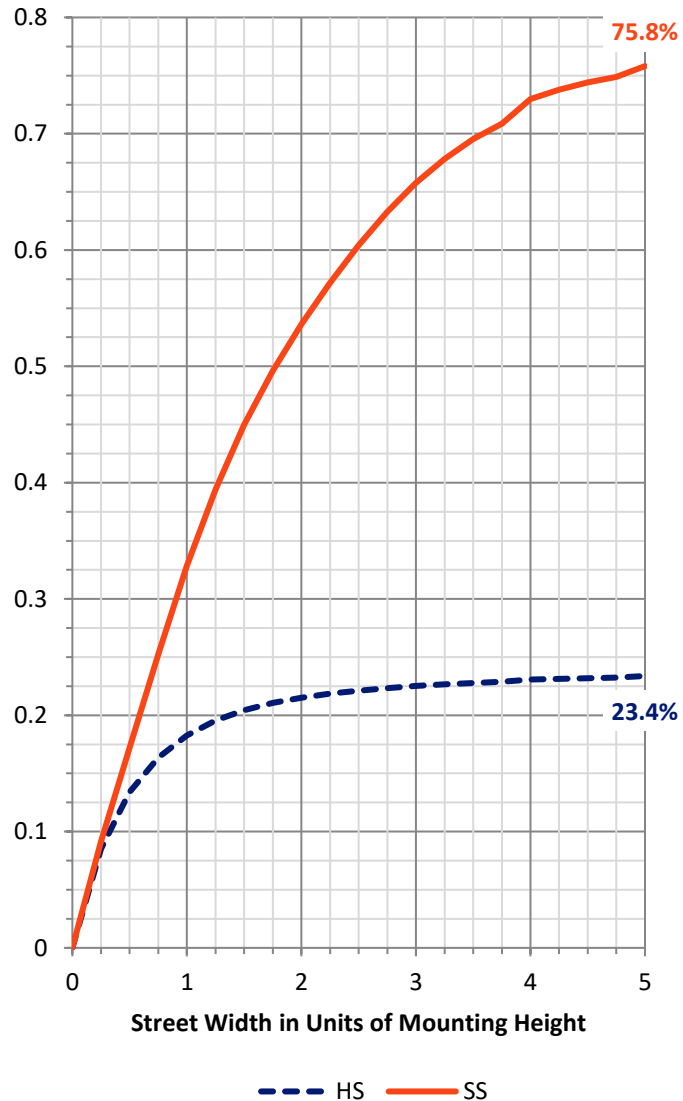
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3168.4	0.0	3168.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10145.6	0.0	10145.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	13314.0	0.0	13314.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.0	1.3
10°-20°	484.5	3.6
20°-30°	813.6	6.1
30°-40°	1264.5	9.5
40°-50°	1876.9	14.1
50°-60°	2591.1	19.5
60°-70°	3143.7	23.6
70°-80°	2598.0	19.5
80°-90°	373.7	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°	13314.0	100.0
0°-180°	13314.0	100.0

Coefficient of Utilization



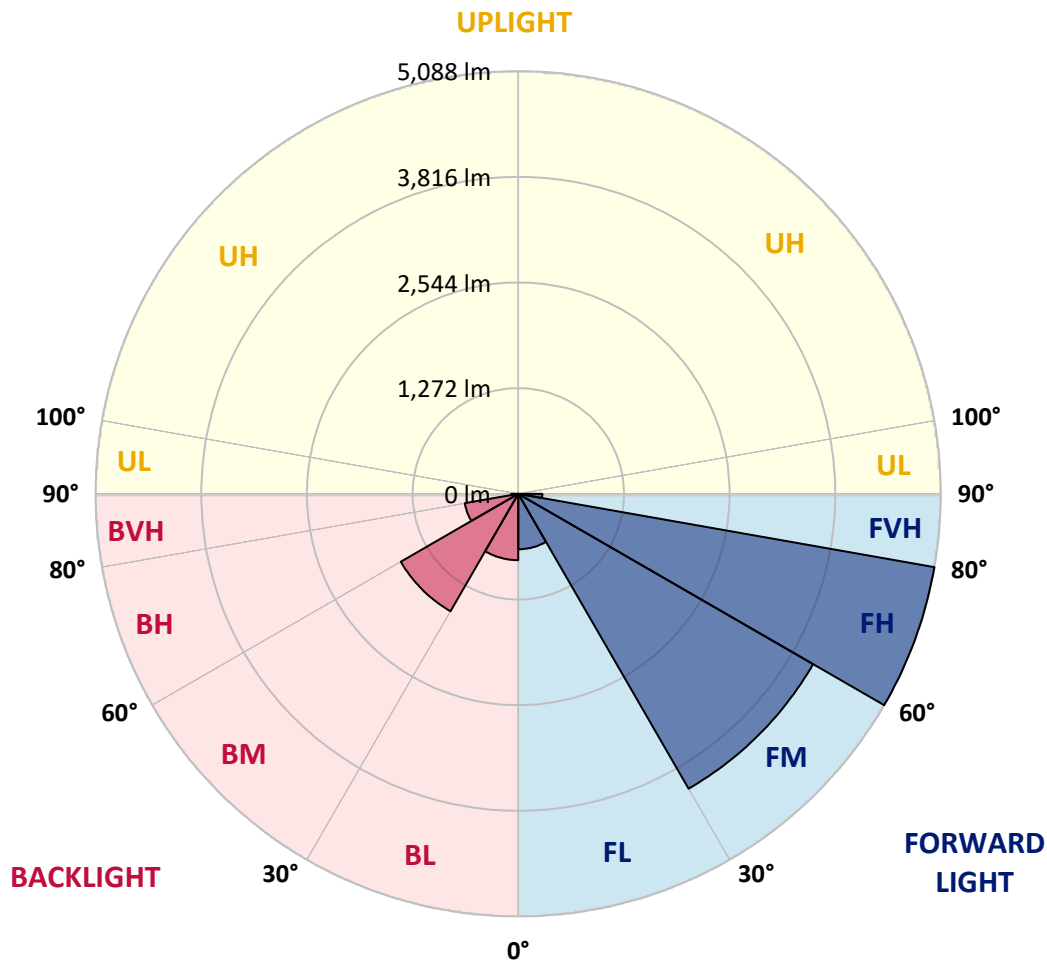
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	667.7	5.0			
FM (30°-60°)	4100.0	30.8			
FH (60°-80°)	5088.4	38.2			G3/7500
FVH (80°-90°)	289.5	2.2			G3/500
BL (0°-30°)	798.5	6.0	B2/1000		
BM (30°-60°)	1632.5	12.3	B2/2500		
BH (60°-80°)	653.2	4.9	B2/1000		G2/1000
BVH (80°-90°)	84.1	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°	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2
2.5°	1636.0	1646.1	1650.4	1648.2	1659.0	1657.6	1672.7	1691.4	1717.3	1742.5
5°	1510.0	1520.8	1530.2	1538.8	1559.7	1566.2	1589.9	1625.9	1673.4	1721.6
7.5°	1392.7	1402.1	1416.5	1432.3	1467.6	1474.0	1513.6	1569.8	1636.0	1706.5
10°	1297.0	1306.3	1321.5	1339.5	1383.4	1391.3	1441.7	1516.5	1602.9	1692.1
12.5°	1256.0	1258.8	1267.5	1285.5	1323.6	1328.7	1384.1	1469.7	1570.5	1681.3
15°	1253.8	1259.6	1260.3	1269.6	1301.3	1303.5	1354.6	1439.5	1550.3	1679.2
17.5°	1275.4	1279.7	1273.2	1279.0	1305.6	1309.2	1349.5	1425.1	1543.9	1688.5
20°	1333.0	1336.6	1317.1	1309.2	1328.7	1331.5	1371.1	1434.5	1550.3	1708.0
22.5°	1455.3	1457.5	1410.0	1377.6	1379.0	1380.5	1415.0	1472.6	1575.5	1743.2
25°	1646.1	1644.6	1569.1	1506.4	1470.4	1462.5	1485.6	1534.5	1618.0	1790.0
27.5°	1869.2	1858.4	1782.8	1689.3	1610.8	1599.3	1594.2	1615.1	1678.5	1851.9
30°	2121.1	2111.0	2029.7	1907.3	1798.7	1779.9	1732.4	1721.6	1768.4	1936.1
32.5°	2397.5	2391.0	2293.8	2145.6	2000.2	1978.6	1898.7	1869.9	1906.6	2063.5
35°	2629.2	2623.5	2542.9	2390.3	2212.5	2185.9	2104.5	2072.2	2090.9	2226.9
37.5°	2838.7	2835.8	2766.7	2646.5	2463.0	2430.6	2339.2	2328.4	2324.8	2442.1
40°	3033.0	3025.8	2953.8	2890.5	2754.5	2725.0	2644.4	2635.0	2607.6	2707.0
42.5°	3248.2	3229.5	3125.1	3095.6	3058.9	3034.5	2986.2	2987.7	2927.2	3005.7
45°	3423.8	3413.0	3305.8	3288.5	3328.1	3318.0	3359.8	3370.6	3253.3	3318.8
47.5°	3612.4	3602.3	3511.7	3499.4	3606.7	3609.5	3757.1	3760.7	3571.4	3644.1
50°	3844.9	3830.5	3740.5	3755.6	3875.8	3886.6	4156.5	4132.1	3864.3	3974.5
52.5°	3998.2	4006.8	3987.4	4011.9	4176.0	4186.1	4549.5	4486.9	4154.4	4300.5
55°	4111.2	4128.5	4188.9	4245.1	4492.7	4502.7	4920.2	4824.5	4394.8	4602.8
57.5°	4256.6	4232.1	4345.1	4454.5	4793.5	4820.2	5280.8	5149.8	4607.8	4863.3
60°	4465.3	4448.0	4535.9	4697.8	5130.4	5172.8	5662.3	5442.7	4764.0	5069.9
62.5°	4888.5	4845.3	4859.0	5002.3	5555.0	5611.2	6092.7	5698.3	4841.7	5150.5
65°	5521.2	5447.1	5378.0	5477.3	6153.1	6208.6	6578.5	5899.1	4813.0	4994.3
67.5°	6318.0	6244.5	6159.6	6253.2	7034.1	7078.0	7178.1	6012.1	4586.2	4392.6
70°	6975.1	6947.7	7049.2	7434.3	8441.2	8442.7	7946.7	5918.5	3965.1	3114.4
72.5°	6888.0	6871.4	7406.2	8596.7	10214.7	10176.5	8674.4	5210.3	2671.0	1404.9
75°	5650.7	5758.0	6586.4	8575.8	10851.7	10846.6	8228.9	3312.3	1104.8	582.3
77.5°	3030.1	3200.0	4276.0	6331.6	8471.4	8598.8	5785.3	1158.8	474.3	372.8
80°	988.2	1136.5	1704.4	3223.8	5504.6	5480.9	2479.5	454.9	324.6	264.1
82.5°	419.6	436.9	761.5	1522.3	2825.0	2781.1	789.6	261.3	228.2	180.7
85°	164.1	183.5	336.1	703.9	1223.6	1196.9	285.0	129.6	146.1	118.0
87.5°	54.0	65.5	120.2	241.1	380.7	367.1	69.8	44.6	63.3	54.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1774.2	0°	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2	1774.2
1779.2	2.5°	1789.3	1800.8	1814.5	1834.6	1851.9	1866.3	1881.4	1890.8	1894.4	1905.2
1782.1	5°	1802.3	1827.4	1861.3	1894.4	1926.8	1946.2	1963.5	1972.1	1980.0	1985.8
1790.0	7.5°	1823.8	1856.2	1909.5	1952.7	1980.0	1995.9	2007.4	2004.5	2007.4	2008.8
1798.7	10°	1842.6	1887.9	1951.2	1992.3	2013.1	2013.9	2011.0	2000.9	1995.9	1996.6
1811.6	12.5°	1864.9	1915.3	1983.6	2018.2	2023.9	2008.1	1995.9	1978.6	1972.1	1969.2
1831.0	15°	1895.1	1952.7	2018.9	2031.9	2017.5	1997.3	1976.4	1948.4	1934.0	1922.4
1864.1	17.5°	1931.8	1995.1	2046.2	2036.9	2005.9	1972.8	1939.0	1896.5	1867.0	1854.8
1909.5	20°	1982.9	2039.8	2067.1	2026.1	1979.3	1928.9	1871.3	1819.5	1792.2	1779.9
1967.1	22.5°	2044.8	2099.5	2087.3	2007.4	1941.2	1860.6	1788.6	1750.4	1736.8	1728.1
2041.2	25°	2118.9	2165.7	2101.7	1980.0	1878.5	1769.9	1714.4	1702.2	1695.7	1689.3
2131.9	27.5°	2215.4	2240.6	2112.5	1939.7	1780.7	1673.4	1653.3	1655.4	1653.3	1642.5
2257.9	30°	2342.8	2337.7	2122.5	1874.2	1668.4	1586.3	1587.8	1597.1	1598.6	1591.4
2433.5	32.5°	2510.5	2459.4	2127.6	1789.3	1561.1	1510.0	1511.5	1521.5	1528.7	1516.5
2663.1	35°	2713.5	2601.2	2119.7	1682.8	1478.4	1437.3	1426.5	1429.4	1431.6	1420.1
2941.6	37.5°	2950.2	2760.2	2084.4	1564.7	1410.0	1366.1	1343.1	1323.6	1312.1	1301.3
3256.9	40°	3210.1	2933.7	2019.6	1449.6	1333.7	1290.5	1256.0	1219.3	1180.4	1166.0
3590.8	42.5°	3482.1	3112.2	1941.2	1339.5	1245.9	1210.6	1173.9	1120.6	1062.3	1032.8
3937.7	45°	3764.3	3295.0	1864.1	1230.8	1155.9	1140.8	1098.3	1034.3	970.9	933.5
4285.4	47.5°	4040.7	3467.7	1751.1	1121.4	1071.7	1088.3	1055.2	996.1	925.6	866.6
4630.1	50°	4304.8	3629.7	1566.2	1010.5	1003.3	1072.4	1040.8	955.8	875.2	799.6
4968.4	52.5°	4566.8	3760.7	1329.4	909.8	966.6	1068.1	1022.0	928.5	829.9	750.7
5286.6	55°	4789.2	3828.3	1101.2	823.4	913.4	1031.4	999.7	896.1	765.8	681.6
5504.6	57.5°	4915.9	3773.6	911.2	738.5	839.9	970.9	961.6	827.0	689.5	624.7
5547.1	60°	4861.2	3552.0	755.7	664.3	770.1	905.4	895.4	758.6	631.2	570.0
5319.7	62.5°	4559.6	3129.5	632.7	599.6	706.8	838.5	829.2	706.1	586.6	527.6
4715.8	65°	3952.1	2545.8	536.9	545.6	642.7	757.9	771.6	662.2	551.3	493.7
3648.4	67.5°	3014.3	1844.0	462.1	498.8	580.1	678.7	718.3	630.5	521.8	467.1
2111.0	70°	1718.0	1047.2	398.7	453.4	524.7	605.3	677.3	605.3	490.1	444.8
791.0	72.5°	651.4	480.8	344.8	408.1	471.4	543.4	631.9	565.7	453.4	419.6
408.8	75°	347.6	292.9	290.1	354.8	410.3	483.0	575.1	526.9	426.1	443.4
282.9	77.5°	236.8	207.3	242.6	303.7	343.3	416.0	514.6	467.8	369.2	367.8
195.8	80°	164.1	146.8	197.2	244.7	265.6	349.8	449.1	401.6	300.9	280.7
120.9	82.5°	98.6	95.7	147.5	182.8	187.9	269.9	372.1	336.8	246.2	214.5
72.0	85°	54.0	56.9	94.3	107.2	109.4	188.6	291.5	260.5	189.3	159.1
25.9	87.5°	15.1	19.4	34.5	42.5	52.5	97.9	173.5	154.7	95.0	66.2
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°
1774.2
1904.5
1987.2
2011.0
1998.0
1967.8
1926.0
1855.5
1778.5
1729.6
1689.3
1644.6
1595.0
1522.3
1428.0
1308.5
1172.5
1036.4
930.6
860.1
793.2
742.1
674.4
616.1
561.4
518.2
484.4
458.5
439.0
413.9
457.8
339.0
268.5
215.9
160.5
66.2
0.0

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