

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: P852325

Luminaire Tested: **GLAN-SB3A-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852325
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-SB3A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12850 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

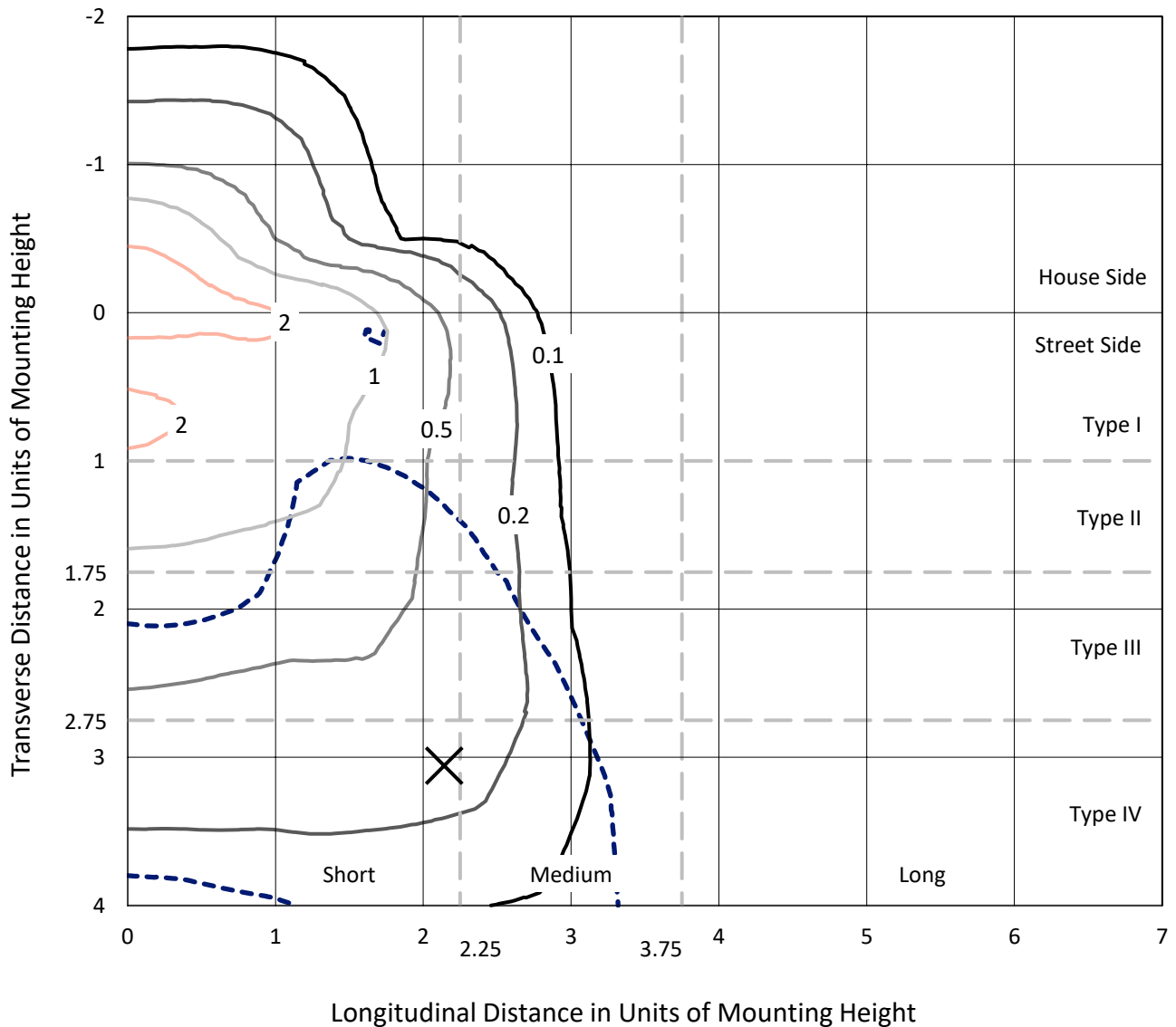
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

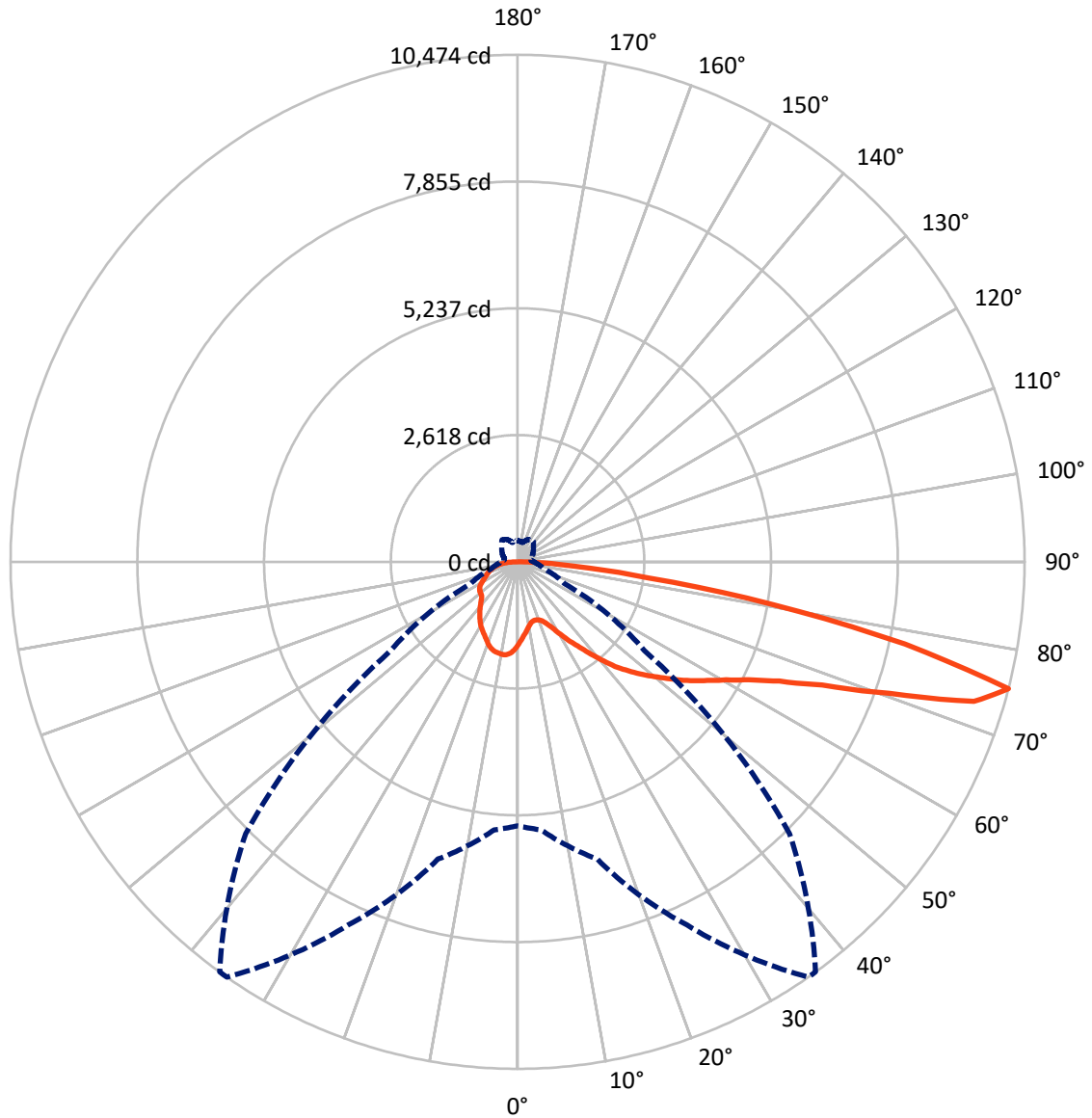
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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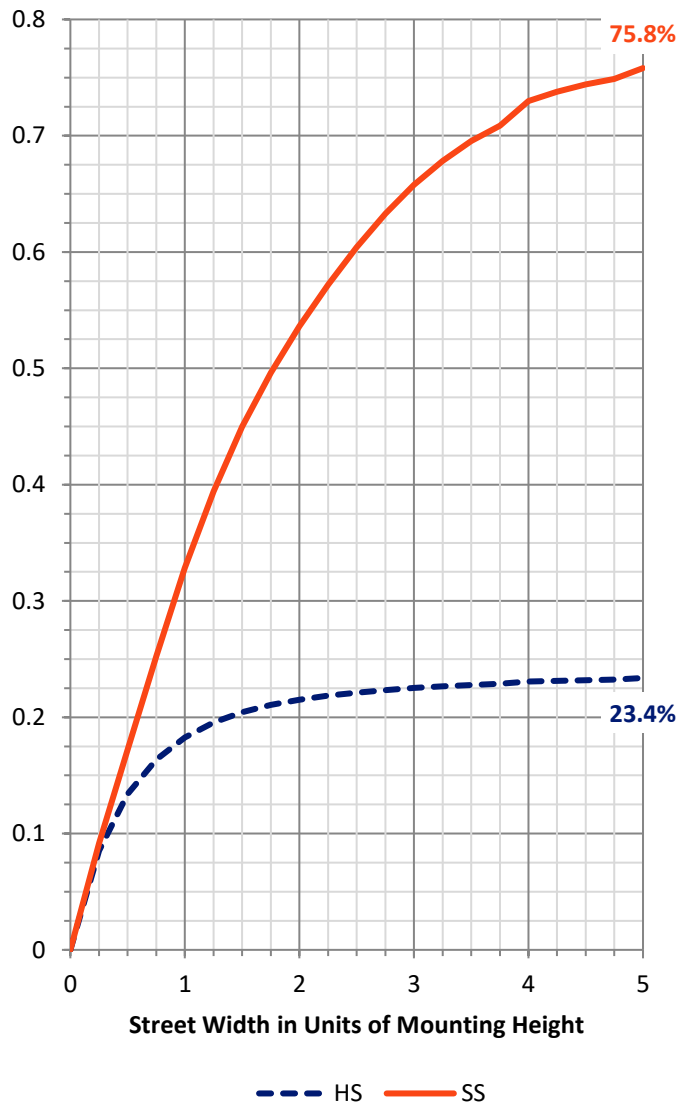
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3058.0	0.0	3058.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9792.0	0.0	9792.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	12850.0	0.0	12850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	1.3
10°-20°	467.6	3.6
20°-30°	785.3	6.1
30°-40°	1220.4	9.5
40°-50°	1811.5	14.1
50°-60°	2500.8	19.5
60°-70°	3034.1	23.6
70°-80°	2507.4	19.5
80°-90°	360.6	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°	12850.0	100.0
0°-180°	12850.0	100.0

Coefficient of Utilization



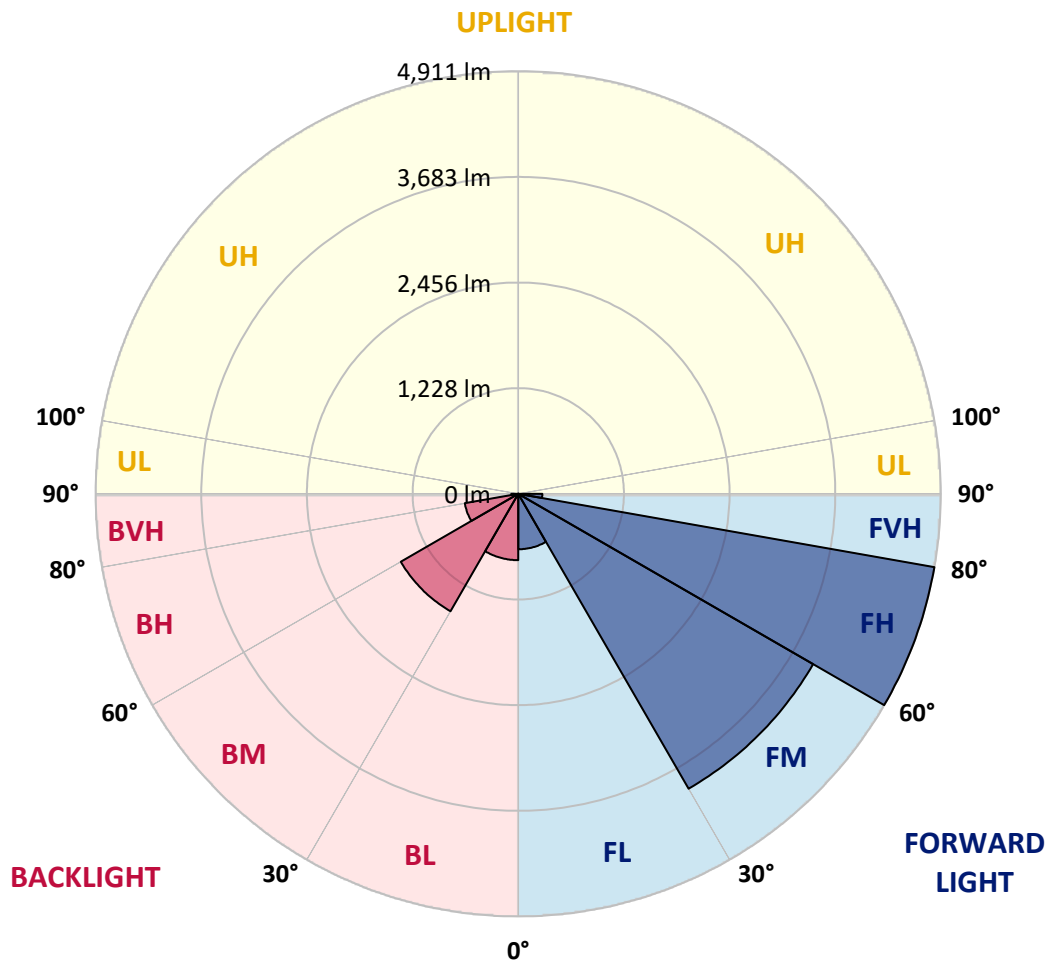
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.4	5.0			
FM (30°-60°)	3957.1	30.8			
FH (60°-80°)	4911.1	38.2			G2/5000
FVH (80°-90°)	279.4	2.2			G3/500
BL (0°-30°)	770.6	6.0	B2/1000		
BM (30°-60°)	1575.7	12.3	B2/2500		
BH (60°-80°)	630.5	4.9	B2/1000		G2/1000
BVH (80°-90°)	81.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3
2.5°	1579.0	1588.7	1592.9	1590.8	1601.2	1599.8	1614.4	1632.5	1657.5	1681.8
5°	1457.4	1467.8	1476.9	1485.2	1505.3	1511.6	1534.5	1569.2	1615.1	1661.6
7.5°	1344.2	1353.2	1367.1	1382.4	1416.4	1422.7	1460.9	1515.1	1579.0	1647.1
10°	1251.8	1260.8	1275.4	1292.8	1335.1	1342.8	1391.4	1463.7	1547.0	1633.2
12.5°	1212.2	1215.0	1223.3	1240.7	1277.5	1282.4	1335.8	1418.5	1515.8	1622.7
15°	1210.1	1215.7	1216.4	1225.4	1256.0	1258.0	1307.4	1389.3	1496.3	1620.7
17.5°	1230.9	1235.1	1228.9	1234.4	1260.1	1263.6	1302.5	1375.4	1490.1	1629.7
20°	1286.5	1290.0	1271.2	1263.6	1282.4	1285.1	1323.3	1384.5	1496.3	1648.4
22.5°	1404.6	1406.7	1360.8	1329.6	1331.0	1332.4	1365.7	1421.3	1520.6	1682.5
25°	1588.7	1587.3	1514.4	1453.9	1419.2	1411.6	1433.8	1481.0	1561.6	1727.6
27.5°	1804.0	1793.6	1720.7	1630.4	1554.7	1543.5	1538.7	1558.8	1620.0	1787.4
30°	2047.2	2037.5	1959.0	1840.9	1736.0	1717.9	1672.1	1661.6	1706.8	1868.6
32.5°	2313.9	2307.7	2213.9	2070.8	1930.5	1909.6	1832.5	1804.7	1840.2	1991.6
35°	2537.6	2532.1	2454.3	2307.0	2135.4	2109.7	2031.2	1999.9	2018.0	2149.3
37.5°	2739.8	2737.0	2670.3	2554.3	2377.1	2345.9	2257.7	2247.2	2243.8	2357.0
40°	2927.3	2920.4	2850.9	2789.8	2658.5	2630.0	2552.2	2543.2	2516.8	2612.6
42.5°	3135.0	3117.0	3016.2	2987.8	2952.3	2928.7	2882.2	2883.6	2825.2	2900.9
45°	3304.5	3294.1	3190.6	3173.9	3212.1	3202.4	3242.7	3253.1	3139.9	3203.1
47.5°	3486.5	3476.8	3389.3	3377.5	3481.0	3483.7	3626.2	3629.6	3446.9	3517.1
50°	3710.9	3697.0	3610.2	3624.8	3740.8	3751.2	4011.7	3988.1	3729.7	3835.9
52.5°	3858.9	3867.2	3848.4	3872.1	4030.4	4040.2	4391.0	4330.5	4009.6	4150.6
55°	3967.9	3984.6	4043.0	4097.1	4336.1	4345.8	4748.7	4656.3	4241.6	4442.4
57.5°	4108.2	4084.6	4193.7	4299.3	4626.5	4652.2	5096.8	4970.3	4447.2	4693.9
60°	4309.7	4293.0	4377.8	4534.1	4951.6	4992.6	5464.9	5253.1	4598.0	4893.2
62.5°	4718.2	4676.5	4689.7	4827.9	5361.4	5415.6	5880.3	5499.7	4673.0	4971.0
65°	5328.8	5257.2	5190.5	5286.4	5938.7	5992.2	6349.2	5693.5	4645.2	4820.3
67.5°	6097.8	6026.9	5944.9	6035.3	6789.0	6831.3	6927.9	5802.5	4426.4	4239.5
70°	6732.0	6705.6	6803.5	7175.2	8147.0	8148.4	7669.8	5712.2	3826.9	3005.8
72.5°	6647.9	6632.0	7148.1	8297.1	9858.7	9821.9	8372.1	5028.7	2577.9	1356.0
75°	5453.8	5557.3	6356.9	8276.9	10473.5	10468.6	7942.1	3196.8	1066.3	562.0
77.5°	2924.5	3088.5	4127.0	6111.0	8176.2	8299.2	5583.7	1118.4	457.8	359.8
80°	953.8	1096.9	1645.0	3111.4	5312.8	5289.9	2393.1	439.0	313.3	254.9
82.5°	405.0	421.7	735.0	1469.2	2726.6	2684.2	762.0	252.2	220.2	174.4
85°	158.4	177.1	324.4	679.4	1180.9	1155.2	275.1	125.0	141.0	113.9
87.5°	52.1	63.2	116.0	232.7	367.5	354.3	67.4	43.1	61.1	52.1
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°
1712.3	0°	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3	1712.3
1717.2	2.5°	1726.9	1738.1	1751.3	1770.7	1787.4	1801.3	1815.9	1824.9	1828.4	1838.8
1720.0	5°	1739.4	1763.8	1796.4	1828.4	1859.6	1878.4	1895.0	1903.4	1911.0	1916.6
1727.6	7.5°	1760.3	1791.5	1842.9	1884.6	1911.0	1926.3	1937.4	1934.6	1937.4	1938.8
1736.0	10°	1778.3	1822.1	1883.2	1922.8	1943.0	1943.7	1940.9	1931.2	1926.3	1927.0
1748.5	12.5°	1799.9	1848.5	1914.5	1947.8	1953.4	1938.1	1926.3	1909.6	1903.4	1900.6
1767.2	15°	1829.1	1884.6	1948.5	1961.0	1947.1	1927.7	1907.6	1880.5	1866.6	1855.5
1799.2	17.5°	1864.5	1925.6	1974.9	1965.9	1936.0	1904.1	1871.4	1830.4	1802.0	1790.2
1842.9	20°	1913.8	1968.7	1995.1	1955.5	1910.3	1861.7	1806.1	1756.1	1729.7	1717.9
1898.5	22.5°	1973.5	2026.3	2014.5	1937.4	1873.5	1795.7	1726.2	1689.4	1676.2	1667.9
1970.1	25°	2045.1	2090.2	2028.4	1911.0	1813.1	1708.2	1654.7	1642.9	1636.6	1630.4
2057.6	27.5°	2138.2	2162.5	2038.8	1872.1	1718.6	1615.1	1595.6	1597.7	1595.6	1585.2
2179.2	30°	2261.1	2256.3	2048.6	1808.9	1610.2	1531.0	1532.4	1541.5	1542.9	1535.9
2348.7	32.5°	2423.0	2373.7	2053.4	1726.9	1506.7	1457.4	1458.8	1468.5	1475.5	1463.7
2570.3	35°	2618.9	2510.5	2045.8	1624.1	1426.8	1387.2	1376.8	1379.6	1381.7	1370.6
2839.1	37.5°	2847.4	2664.0	2011.8	1510.2	1360.8	1318.5	1296.2	1277.5	1266.4	1256.0
3143.4	40°	3098.2	2831.5	1949.2	1399.1	1287.2	1245.5	1212.2	1176.8	1139.3	1125.4
3465.7	42.5°	3360.8	3003.7	1873.5	1292.8	1202.5	1168.4	1133.0	1081.6	1025.3	996.8
3800.5	45°	3633.1	3180.2	1799.2	1187.9	1115.6	1101.0	1060.1	998.2	937.1	901.0
4136.0	47.5°	3899.8	3346.9	1690.1	1082.3	1034.4	1050.3	1018.4	961.4	893.3	836.4
4468.8	50°	4154.8	3503.2	1511.6	975.3	968.4	1035.1	1004.5	922.5	844.7	771.8
4795.3	52.5°	4407.6	3629.6	1283.0	878.1	932.9	1030.9	986.4	896.1	800.9	724.5
5102.3	55°	4622.3	3694.9	1062.8	794.7	881.5	995.5	964.9	864.9	739.1	657.8
5312.8	57.5°	4744.6	3642.1	879.4	712.7	810.7	937.1	928.1	798.2	665.5	603.0
5353.8	60°	4691.8	3428.2	729.4	641.2	743.3	873.9	864.2	732.2	609.2	550.2
5134.3	62.5°	4400.7	3020.4	610.6	578.7	682.2	809.3	800.3	681.5	566.2	509.2
4551.4	65°	3814.4	2457.0	518.2	526.6	620.3	731.5	744.7	639.1	532.1	476.5
3521.3	67.5°	2909.3	1779.7	446.0	481.4	559.9	655.1	693.3	608.5	503.6	450.8
2037.5	70°	1658.2	1010.7	384.8	437.6	506.4	584.2	653.7	584.2	473.1	429.3
763.4	72.5°	628.7	464.0	332.7	393.9	455.0	524.5	609.9	546.0	437.6	405.0
394.6	75°	335.5	282.7	280.0	342.5	396.0	466.1	555.0	508.5	411.2	427.9
273.0	77.5°	228.5	200.1	234.1	293.1	331.4	401.5	496.7	451.5	356.4	355.0
188.9	80°	158.4	141.7	190.3	236.2	256.3	337.6	433.5	387.6	290.4	270.9
116.7	82.5°	95.2	92.4	142.4	176.4	181.3	260.5	359.1	325.1	237.6	207.0
69.5	85°	52.1	54.9	91.0	103.5	105.6	182.0	281.3	251.5	182.7	153.5
25.0	87.5°	14.6	18.8	33.3	41.0	50.7	94.5	167.4	149.4	91.7	63.9
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°
1712.3
1838.1
1918.0
1940.9
1928.4
1899.2
1858.9
1790.8
1716.5
1669.3
1630.4
1587.3
1539.4
1469.2
1378.2
1262.9
1131.6
1000.3
898.2
830.1
765.5
716.2
650.9
594.6
541.8
500.2
467.5
442.5
423.7
399.4
441.8
327.2
259.1
208.4
154.9
63.9
0.0

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