

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: P852355

Luminaire Tested: **GLAN-SB3B-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852355
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-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13058 lumens
Efficiency: N/A
Efficacy: 119.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

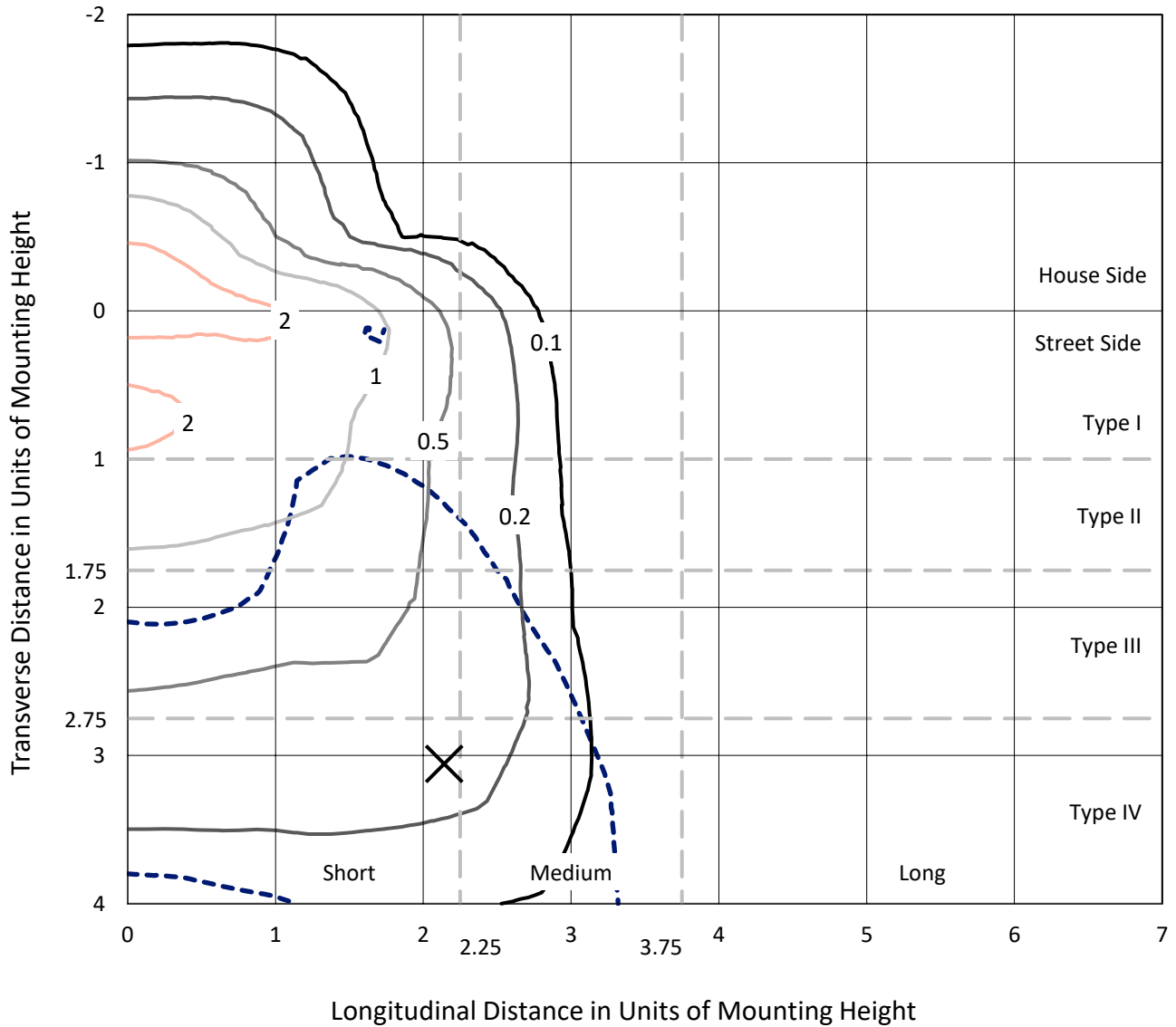
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852355
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Iso-Footcandle Lines of Horizontal Illumination

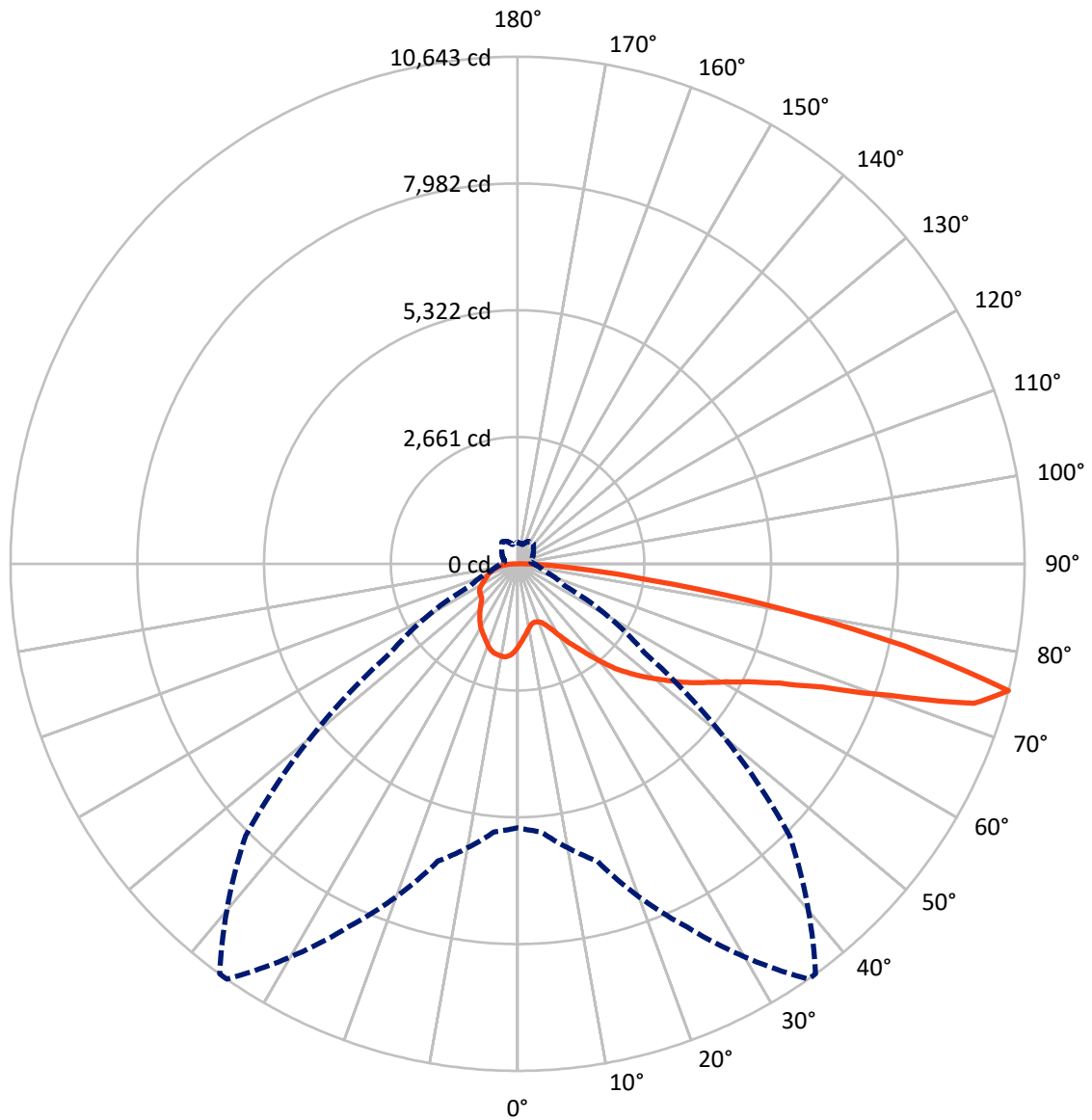
× Max cd
 - - - 1/2 Max cd



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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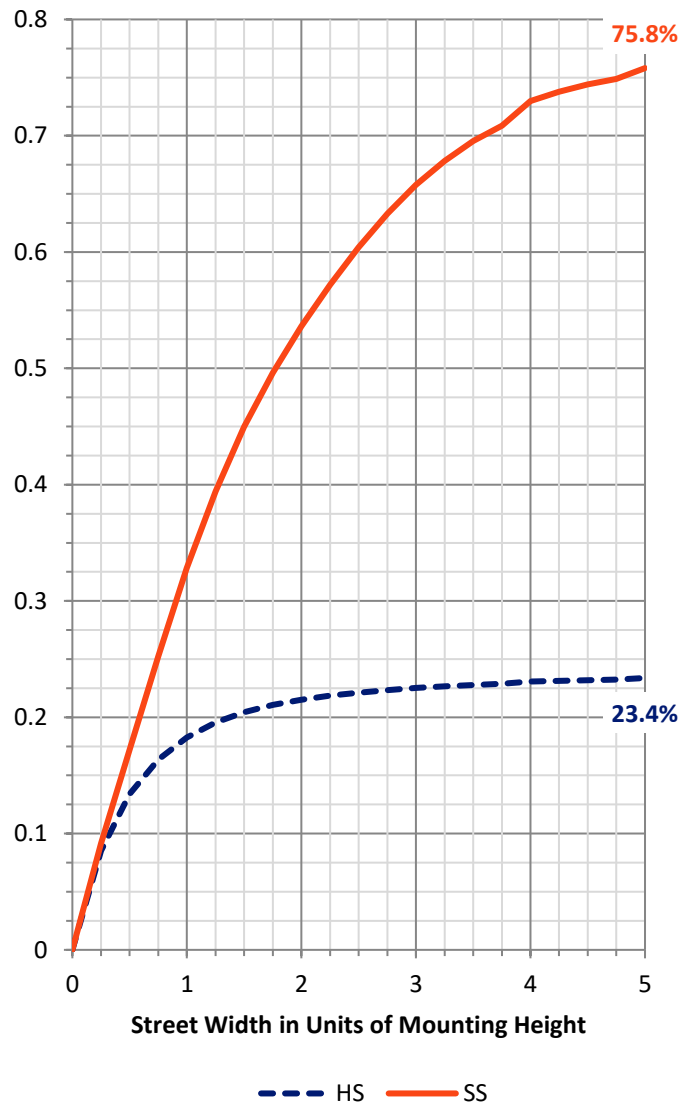
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3107.5	0.0	3107.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9950.5	0.0	9950.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	13058.0	0.0	13058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	1.3
10°-20°	475.2	3.6
20°-30°	798.0	6.1
30°-40°	1240.2	9.5
40°-50°	1840.8	14.1
50°-60°	2541.3	19.5
60°-70°	3083.2	23.6
70°-80°	2548.0	19.5
80°-90°	366.5	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°	13058.0	100.0
0°-180°	13058.0	100.0

Coefficient of Utilization



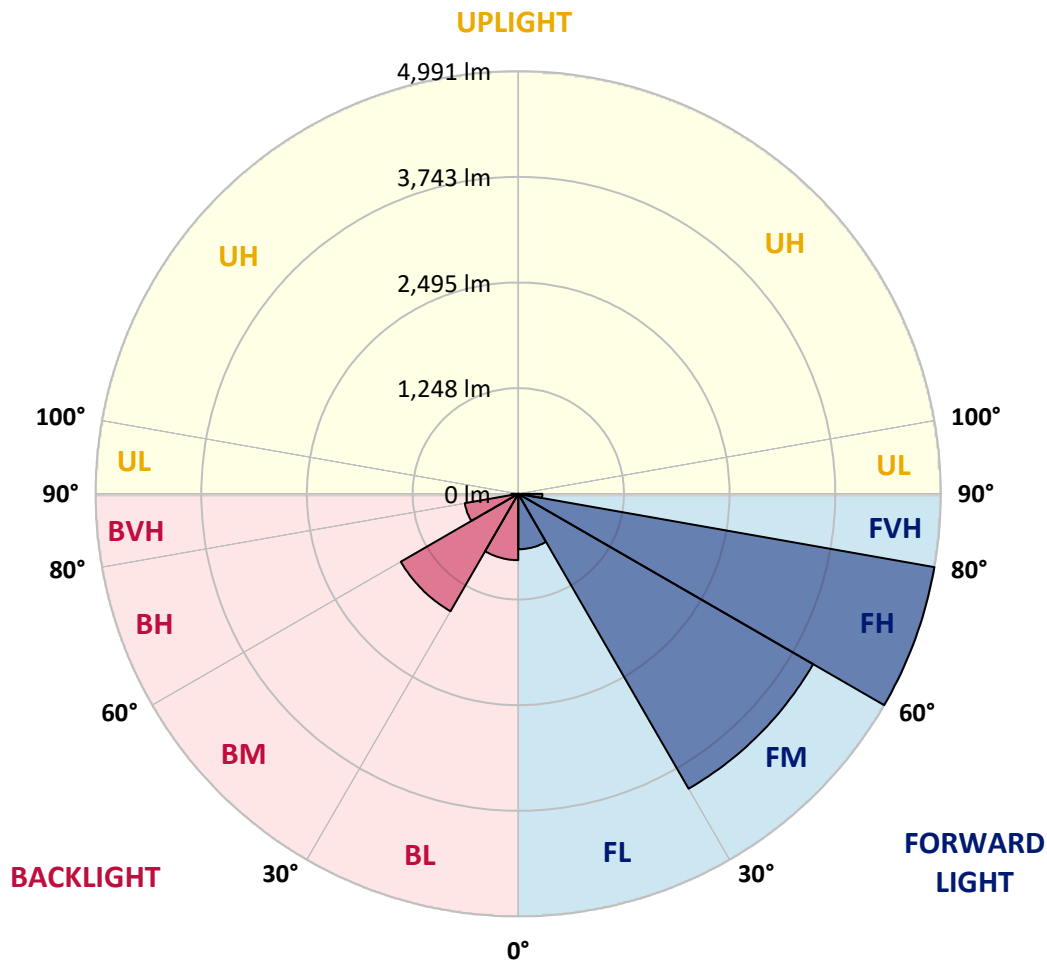
REPORT NUMBER: P852355
 CATALOG NUMBER: GLAN-SB3B-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	654.8	5.0			
FM (30°-60°)	4021.2	30.8			
FH (60°-80°)	4990.6	38.2			G2/5000
FVH (80°-90°)	284.0	2.2			G3/500
BL (0°-30°)	783.1	6.0	B2/1000		
BM (30°-60°)	1601.2	12.3	B2/2500		
BH (60°-80°)	640.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	82.5	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



REPORT NUMBER: P852355
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1
2.5°	1604.5	1614.4	1618.7	1616.5	1627.1	1625.7	1640.5	1658.9	1684.3	1709.0
5°	1481.0	1491.6	1500.8	1509.2	1529.7	1536.1	1559.4	1594.6	1641.2	1688.5
7.5°	1365.9	1375.1	1389.2	1404.8	1439.3	1445.7	1484.5	1539.6	1604.5	1673.7
10°	1272.0	1281.2	1296.0	1313.7	1356.8	1364.5	1413.9	1487.4	1572.1	1659.6
12.5°	1231.8	1234.6	1243.1	1260.8	1298.2	1303.1	1357.5	1441.5	1540.3	1649.0
15°	1229.7	1235.3	1236.0	1245.2	1276.3	1278.4	1328.5	1411.8	1520.5	1646.9
17.5°	1250.9	1255.1	1248.8	1254.4	1280.5	1284.0	1323.6	1397.7	1514.2	1656.1
20°	1307.3	1310.9	1291.8	1284.0	1303.1	1305.9	1344.8	1406.9	1520.5	1675.1
22.5°	1427.3	1429.5	1382.9	1351.1	1352.5	1353.9	1387.8	1444.3	1545.2	1709.7
25°	1614.4	1613.0	1538.9	1477.5	1442.2	1434.4	1457.0	1505.0	1586.9	1755.6
27.5°	1833.2	1822.7	1748.5	1656.8	1579.8	1568.5	1563.6	1584.1	1646.2	1816.3
30°	2080.3	2070.4	1990.7	1870.7	1764.1	1745.7	1699.1	1688.5	1734.4	1898.9
32.5°	2351.4	2345.0	2249.7	2104.3	1961.7	1940.5	1862.2	1834.0	1870.0	2023.8
35°	2578.7	2573.0	2494.0	2344.3	2170.0	2143.8	2064.1	2032.3	2050.7	2184.1
37.5°	2784.1	2781.3	2713.5	2595.6	2415.6	2383.9	2294.2	2283.6	2280.1	2395.2
40°	2974.7	2967.6	2897.1	2834.9	2701.5	2672.6	2593.5	2584.3	2557.5	2654.9
42.5°	3185.8	3167.4	3065.1	3036.1	3000.1	2976.1	2928.8	2930.2	2870.9	2947.9
45°	3358.0	3347.4	3242.2	3225.3	3264.1	3254.2	3295.2	3305.8	3190.7	3254.9
47.5°	3543.0	3533.1	3444.1	3432.1	3537.3	3540.1	3684.8	3688.4	3502.7	3574.0
50°	3771.0	3756.9	3668.6	3683.4	3801.3	3811.9	4076.6	4052.6	3790.0	3898.0
52.5°	3921.3	3929.8	3910.7	3934.7	4095.7	4105.6	4462.1	4400.6	4074.5	4217.8
55°	4032.2	4049.1	4108.4	4163.5	4406.3	4416.2	4825.6	4731.7	4310.3	4514.3
57.5°	4174.7	4150.7	4261.6	4368.9	4701.4	4727.5	5179.3	5050.8	4519.2	4769.8
60°	4379.5	4362.5	4448.6	4607.5	5031.7	5073.4	5553.4	5338.1	4672.4	4972.4
62.5°	4794.5	4752.2	4765.6	4906.1	5448.2	5503.3	5975.5	5588.7	4748.7	5051.5
65°	5415.0	5342.3	5274.6	5372.0	6034.8	6089.2	6452.0	5785.6	4720.4	4898.3
67.5°	6196.5	6124.5	6041.2	6132.9	6898.9	6941.9	7040.0	5896.5	4498.1	4308.2
70°	6841.0	6814.1	6913.7	7291.3	8278.9	8280.3	7793.9	5804.7	3888.9	3054.5
72.5°	6755.6	6739.3	7263.8	8431.4	10018.3	9980.9	8507.6	5110.1	2619.6	1377.9
75°	5542.1	5647.3	6459.8	8410.9	10643.0	10638.1	8070.7	3248.6	1083.6	571.1
77.5°	2971.9	3138.5	4193.8	6209.9	8308.6	8433.5	5674.1	1136.5	465.2	365.7
80°	969.2	1114.6	1671.6	3161.8	5398.8	5375.5	2431.9	446.1	318.4	259.1
82.5°	411.5	428.5	746.9	1493.0	2770.7	2727.6	774.4	256.2	223.8	177.2
85°	160.9	180.0	329.7	690.4	1200.0	1173.9	279.5	127.1	143.3	115.8
87.5°	52.9	64.2	117.9	236.5	373.4	360.0	68.5	43.8	62.1	52.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852355
 CATALOG NUMBER: GLAN-SB3B-722-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1740.1	0°	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1	1740.1
1745.0	2.5°	1754.9	1766.2	1779.6	1799.4	1816.3	1830.4	1845.2	1854.4	1858.0	1868.5
1747.8	5°	1767.6	1792.3	1825.5	1858.0	1889.7	1908.8	1925.7	1934.2	1942.0	1947.6
1755.6	7.5°	1788.8	1820.5	1872.8	1915.1	1942.0	1957.5	1968.8	1966.0	1968.8	1970.2
1764.1	10°	1807.1	1851.6	1913.7	1954.0	1974.4	1975.1	1972.3	1962.4	1957.5	1958.2
1776.8	12.5°	1829.0	1878.4	1945.5	1979.4	1985.0	1969.5	1957.5	1940.5	1934.2	1931.4
1795.8	15°	1858.7	1915.1	1980.1	1992.8	1978.7	1958.9	1938.4	1910.9	1896.8	1885.5
1828.3	17.5°	1894.7	1956.8	2006.9	1997.7	1967.4	1934.9	1901.7	1860.1	1831.1	1819.1
1872.8	20°	1944.8	2000.5	2027.4	1987.1	1941.3	1891.8	1835.4	1784.5	1757.7	1745.7
1929.3	22.5°	2005.5	2059.1	2047.1	1968.8	1903.8	1824.8	1754.2	1716.8	1703.4	1694.9
2002.0	25°	2078.2	2124.1	2061.3	1942.0	1842.4	1735.8	1681.5	1669.5	1663.1	1656.8
2090.9	27.5°	2172.8	2197.5	2071.8	1902.4	1746.4	1641.2	1621.5	1623.6	1621.5	1610.9
2214.4	30°	2297.7	2292.8	2081.7	1838.2	1636.3	1555.8	1557.2	1566.4	1567.8	1560.8
2386.7	32.5°	2462.2	2412.1	2086.7	1754.9	1531.1	1481.0	1482.4	1492.3	1499.4	1487.4
2611.9	35°	2661.3	2551.2	2078.9	1650.4	1449.9	1409.7	1399.1	1401.9	1404.1	1392.8
2885.1	37.5°	2893.5	2707.2	2044.3	1534.6	1382.9	1339.8	1317.2	1298.2	1286.9	1276.3
3194.2	40°	3148.4	2877.3	1980.8	1421.7	1308.1	1265.7	1231.8	1195.8	1157.7	1143.6
3521.8	42.5°	3415.2	3052.4	1903.8	1313.7	1221.9	1187.3	1151.3	1099.1	1041.9	1013.0
3862.0	45°	3691.9	3231.7	1828.3	1207.1	1133.7	1118.9	1077.2	1014.4	952.3	915.6
4203.0	47.5°	3963.0	3401.1	1717.5	1099.8	1051.1	1067.3	1034.9	977.0	907.8	849.9
4541.1	50°	4222.0	3559.9	1536.1	991.1	984.0	1051.8	1020.7	937.4	858.4	784.3
4872.9	52.5°	4479.0	3688.4	1303.8	892.3	948.0	1047.6	1002.4	910.6	813.9	736.3
5184.9	55°	4697.1	3754.7	1080.0	807.6	895.8	1011.6	980.5	878.9	751.1	668.5
5398.8	57.5°	4821.4	3701.1	893.7	724.3	823.8	952.3	943.1	811.1	676.3	612.7
5440.4	60°	4767.7	3483.7	741.2	651.6	755.3	888.0	878.2	744.0	619.1	559.1
5217.4	62.5°	4471.9	3069.3	620.5	588.0	693.2	822.4	813.2	692.5	575.3	517.4
4625.1	65°	3876.1	2496.8	526.6	535.1	630.4	743.3	756.7	649.4	540.7	484.3
3578.3	67.5°	2956.3	1808.5	453.2	489.2	569.0	665.7	704.5	618.4	511.8	458.1
2070.4	70°	1685.0	1027.1	391.1	444.7	514.6	593.7	664.3	593.7	480.7	436.3
775.8	72.5°	638.8	471.5	338.1	400.3	462.4	533.0	619.8	554.8	444.7	411.5
401.0	75°	341.0	287.3	284.5	348.0	402.4	473.7	564.0	516.7	417.9	434.8
277.4	77.5°	232.2	203.3	237.9	297.9	336.7	408.0	504.7	458.8	362.1	360.7
192.0	80°	160.9	144.0	193.4	240.0	260.5	343.1	440.5	393.9	295.1	275.3
118.6	82.5°	96.7	93.9	144.7	179.3	184.2	264.7	365.0	330.4	241.4	210.4
70.6	85°	52.9	55.8	92.5	105.2	107.3	184.9	285.9	255.5	185.7	156.0
25.4	87.5°	14.8	19.1	33.9	41.6	51.5	96.0	170.1	151.8	93.2	64.9
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°
1740.1
1867.8
1949.0
1972.3
1959.6
1930.0
1889.0
1819.8
1744.3
1696.3
1656.8
1613.0
1564.3
1493.0
1400.5
1283.3
1149.9
1016.5
912.7
843.6
777.9
727.8
661.4
604.3
550.6
508.3
475.1
449.7
430.6
405.9
449.0
332.5
263.3
211.8
157.4
64.9
0.0

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