

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: P852271

Luminaire Tested: **GLAN-SB2C-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852271
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-SB2C-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12256 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

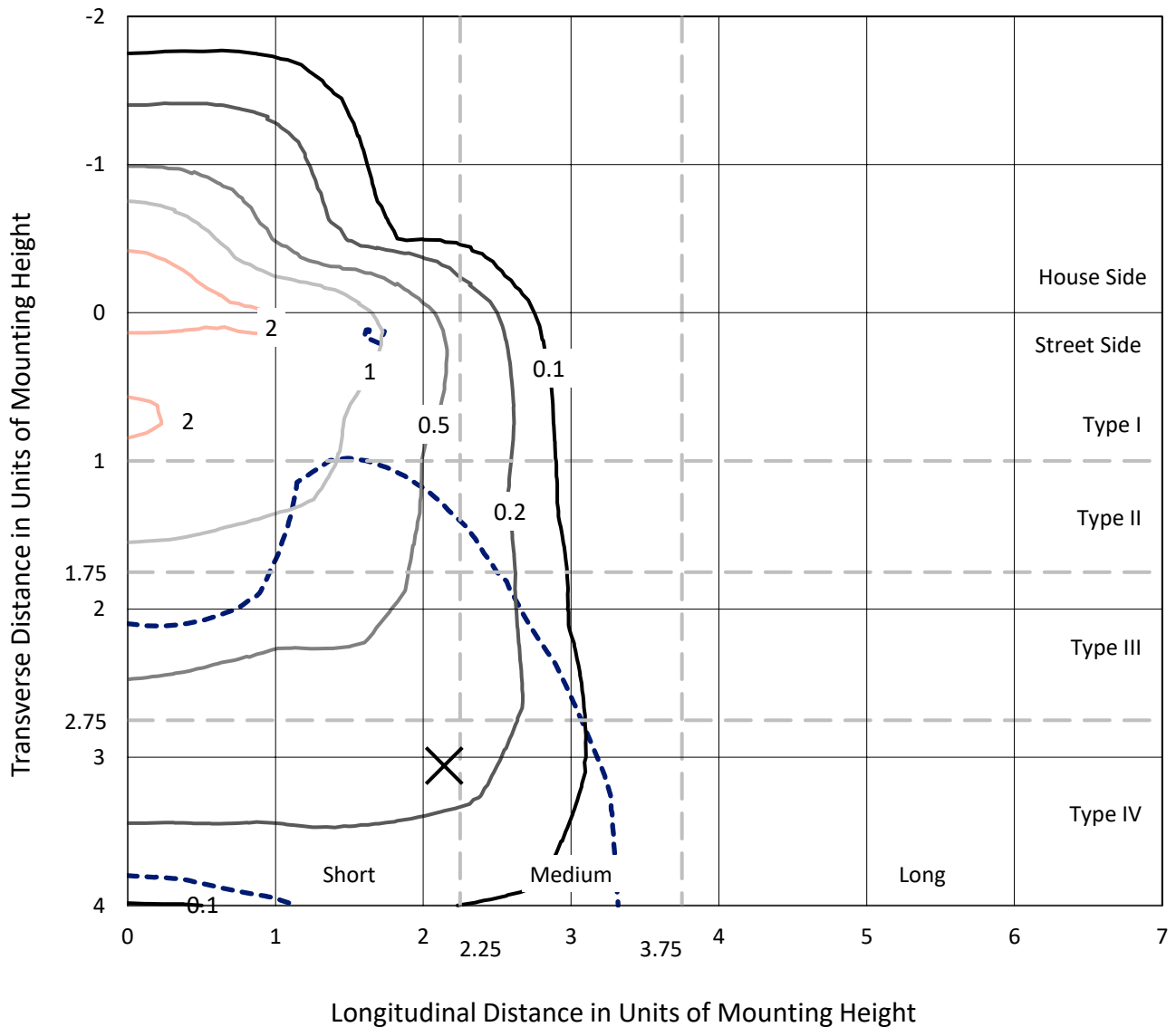
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

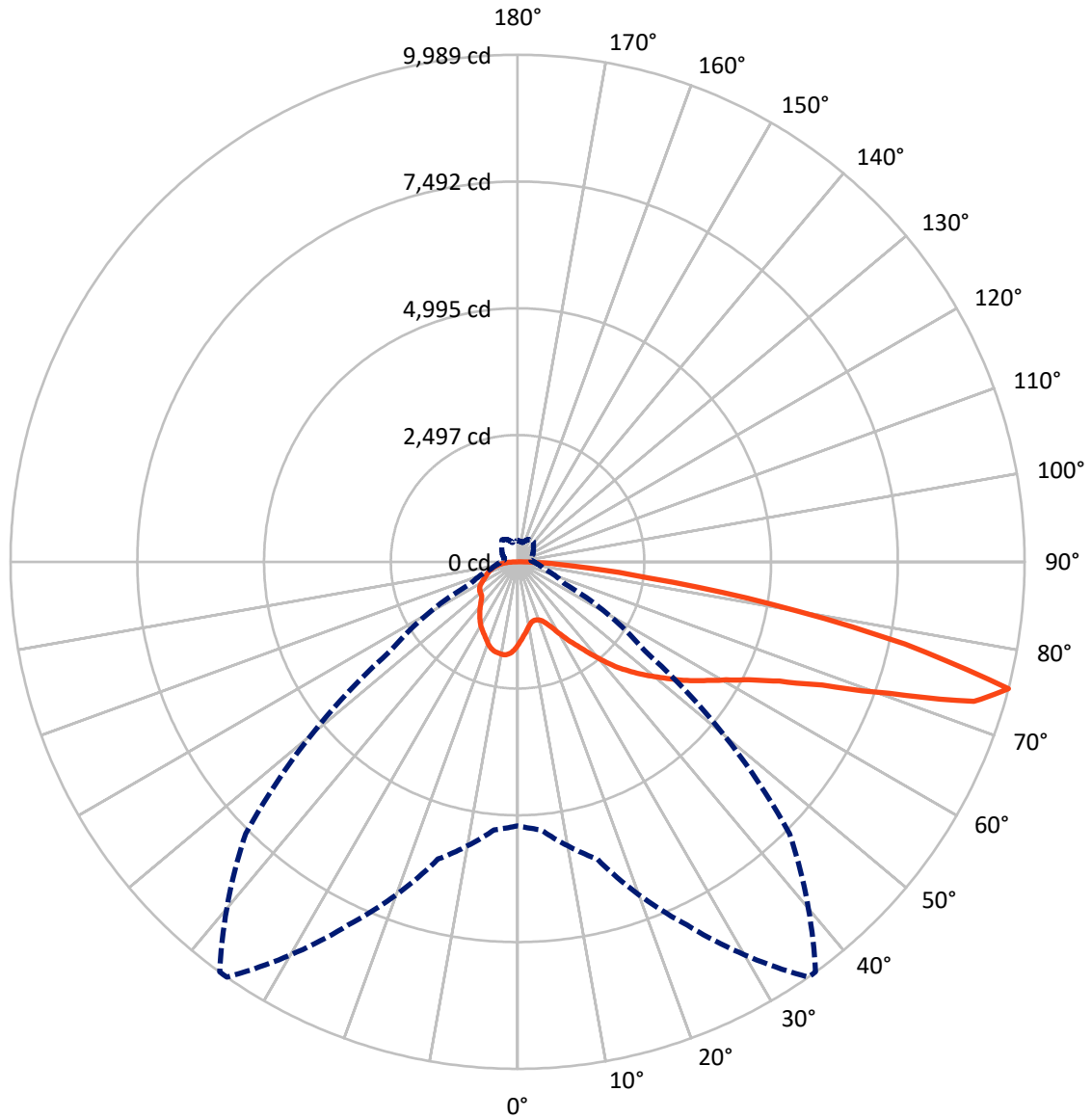
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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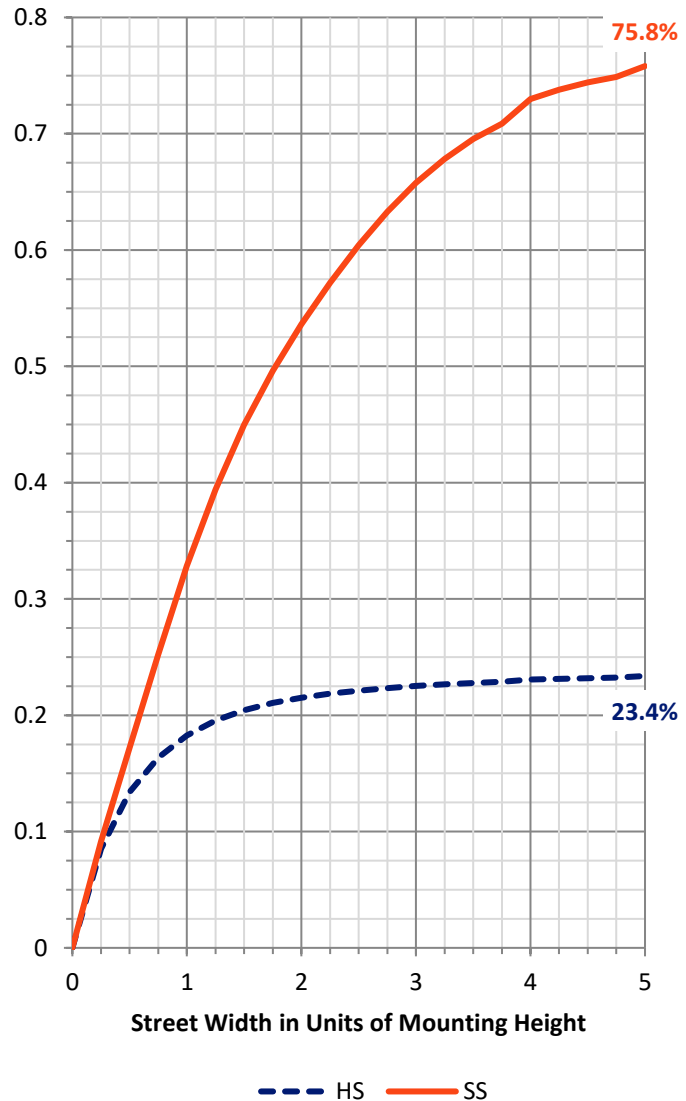
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2916.6	0.0	2916.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9339.4	0.0	9339.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	12256.0	0.0	12256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	1.3
10°-20°	446.0	3.6
20°-30°	749.0	6.1
30°-40°	1164.0	9.5
40°-50°	1727.7	14.1
50°-60°	2385.2	19.5
60°-70°	2893.8	23.6
70°-80°	2391.5	19.5
80°-90°	344.0	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°	12256.0	100.0
0°-180°	12256.0	100.0

Coefficient of Utilization



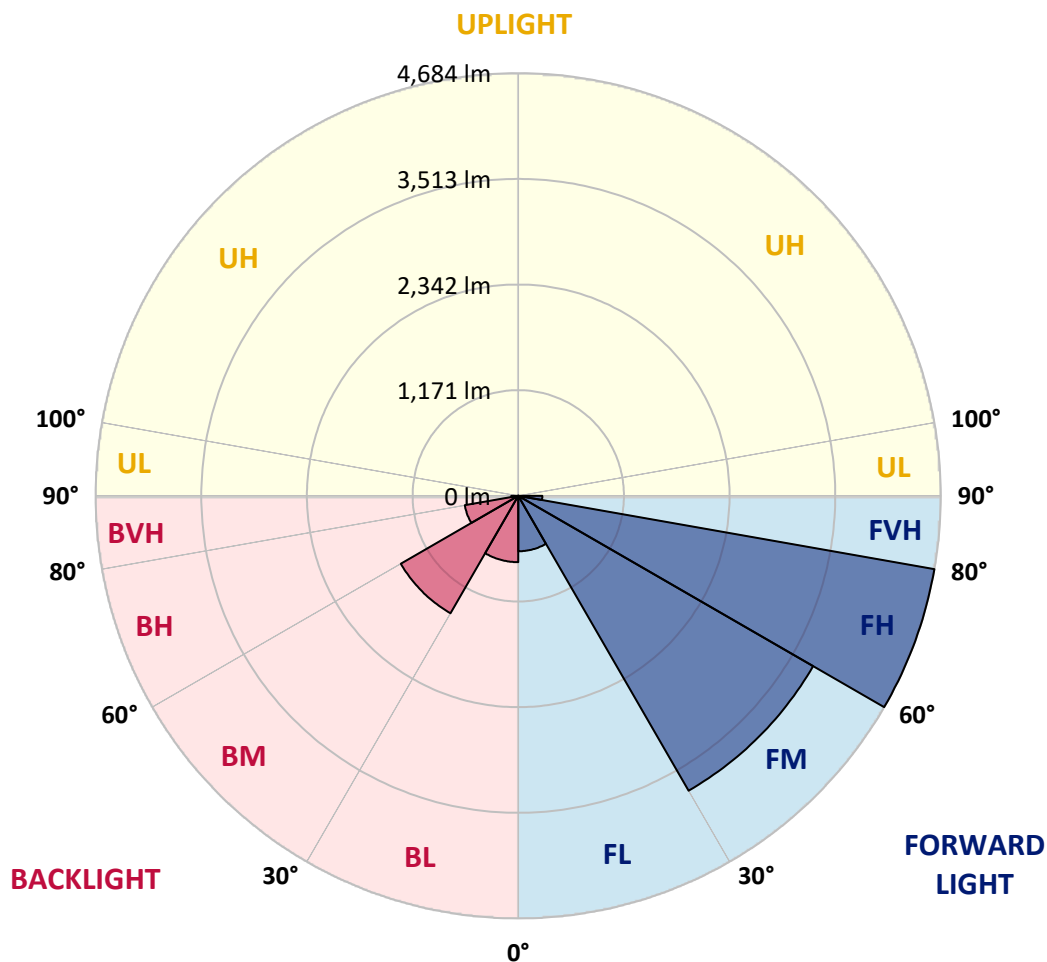
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	614.6	5.0			
FM (30°-60°)	3774.2	30.8			
FH (60°-80°)	4684.1	38.2			G2/5000
FVH (80°-90°)	266.5	2.2			G3/500
BL (0°-30°)	735.0	6.0	B2/1000		
BM (30°-60°)	1502.8	12.3	B2/2500		
BH (60°-80°)	601.3	4.9	B2/1000		G2/1000
BVH (80°-90°)	77.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2
2.5°	1506.0	1515.3	1519.2	1517.2	1527.2	1525.9	1539.8	1557.0	1580.9	1604.0
5°	1390.0	1400.0	1408.6	1416.5	1435.8	1441.7	1463.6	1496.7	1540.4	1584.8
7.5°	1282.0	1290.7	1303.9	1318.5	1350.9	1356.9	1393.4	1445.0	1506.0	1570.9
10°	1193.9	1202.5	1216.4	1233.0	1273.4	1280.7	1327.1	1396.0	1475.5	1557.7
12.5°	1156.2	1158.8	1166.8	1183.3	1218.4	1223.1	1274.1	1352.9	1445.7	1547.7
15°	1154.2	1159.5	1160.1	1168.7	1197.9	1199.9	1246.9	1325.1	1427.1	1545.7
17.5°	1174.0	1178.0	1172.1	1177.4	1201.9	1205.2	1242.3	1311.9	1421.2	1554.4
20°	1227.0	1230.4	1212.5	1205.2	1223.1	1225.7	1262.2	1320.5	1427.1	1572.2
22.5°	1339.7	1341.7	1297.9	1268.1	1269.5	1270.8	1302.6	1355.6	1450.3	1604.7
25°	1515.3	1513.9	1444.4	1386.7	1353.6	1346.3	1367.5	1412.6	1489.4	1647.8
27.5°	1720.7	1710.7	1641.1	1555.0	1482.8	1472.2	1467.6	1486.8	1545.1	1704.8
30°	1952.5	1943.3	1868.4	1755.8	1655.7	1638.5	1594.8	1584.8	1627.9	1782.3
32.5°	2207.0	2201.0	2111.6	1975.1	1841.2	1821.4	1747.8	1721.3	1755.1	1899.5
35°	2420.3	2415.0	2340.8	2200.3	2036.7	2012.2	1937.3	1907.5	1924.7	2049.9
37.5°	2613.1	2610.5	2546.9	2436.2	2267.3	2237.4	2153.3	2143.4	2140.0	2248.0
40°	2792.0	2785.4	2719.1	2660.8	2535.6	2508.4	2434.2	2425.6	2400.4	2491.9
42.5°	2990.1	2972.9	2876.8	2849.6	2815.9	2793.3	2748.9	2750.3	2694.6	2766.8
45°	3151.8	3141.8	3043.1	3027.2	3063.6	3054.4	3092.8	3102.7	2994.7	3055.0
47.5°	3325.4	3316.1	3232.6	3221.3	3320.1	3322.7	3458.5	3461.8	3287.6	3354.5
50°	3539.4	3526.1	3443.3	3457.2	3567.9	3577.8	3826.2	3803.7	3557.3	3658.6
52.5°	3680.5	3688.4	3670.5	3693.1	3844.1	3853.4	4188.0	4130.4	3824.3	3958.8
55°	3784.5	3800.4	3856.1	3907.7	4135.7	4144.9	4529.2	4441.1	4045.6	4237.0
57.5°	3918.3	3895.8	3999.8	4100.5	4412.6	4437.1	4861.2	4740.6	4241.7	4476.9
60°	4110.5	4094.6	4175.4	4324.5	4722.7	4761.8	5212.3	5010.2	4385.4	4667.0
62.5°	4500.1	4460.3	4472.9	4604.7	5113.6	5165.3	5608.5	5245.4	4457.0	4741.2
65°	5082.4	5014.2	4950.6	5042.0	5664.2	5715.2	6055.7	5430.3	4430.5	4597.5
67.5°	5815.9	5748.3	5670.1	5756.3	6475.1	6515.6	6607.6	5534.3	4221.8	4043.6
70°	6420.8	6395.6	6489.1	6843.5	7770.4	7771.8	7315.3	5448.2	3650.0	2866.9
72.5°	6340.6	6325.4	6817.7	7913.5	9403.0	9367.8	7985.1	4796.2	2458.7	1293.3
75°	5201.7	5300.4	6063.0	7894.3	9989.3	9984.7	7575.0	3049.1	1017.0	536.0
77.5°	2789.4	2945.7	3936.2	5828.5	7798.3	7915.5	5325.6	1066.7	436.6	343.2
80°	909.7	1046.2	1568.9	2967.6	5067.2	5045.3	2282.5	418.7	298.8	243.2
82.5°	386.3	402.2	701.0	1401.3	2600.5	2560.1	726.8	240.5	210.0	166.3
85°	151.1	169.0	309.4	648.0	1126.3	1101.8	262.4	119.3	134.5	108.7
87.5°	49.7	60.3	110.6	222.0	350.5	337.9	64.3	41.1	58.3	49.7
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°
1633.2	0°	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2	1633.2
1637.8	2.5°	1647.1	1657.7	1670.3	1688.8	1704.8	1718.0	1731.9	1740.5	1743.8	1753.8
1640.5	5°	1659.0	1682.2	1713.4	1743.8	1773.7	1791.5	1807.4	1815.4	1822.7	1828.0
1647.8	7.5°	1678.9	1708.7	1757.8	1797.5	1822.7	1837.3	1847.9	1845.2	1847.9	1849.2
1655.7	10°	1696.1	1737.9	1796.2	1833.9	1853.2	1853.8	1851.2	1841.9	1837.3	1837.9
1667.6	12.5°	1716.7	1763.1	1826.0	1857.8	1863.1	1848.5	1837.3	1821.4	1815.4	1812.7
1685.5	15°	1744.5	1797.5	1858.5	1870.4	1857.1	1838.6	1819.4	1793.5	1780.3	1769.7
1716.0	17.5°	1778.3	1836.6	1883.6	1875.0	1846.5	1816.1	1784.9	1745.8	1718.7	1707.4
1757.8	20°	1825.3	1877.7	1902.9	1865.1	1822.0	1775.6	1722.6	1674.9	1649.8	1638.5
1810.8	22.5°	1882.3	1932.7	1921.4	1847.9	1786.9	1712.7	1646.4	1611.3	1598.7	1590.8
1879.0	25°	1950.6	1993.6	1934.7	1822.7	1729.3	1629.2	1578.2	1566.9	1561.0	1555.0
1962.5	27.5°	2039.3	2062.5	1944.6	1785.6	1639.2	1540.4	1521.9	1523.9	1521.9	1511.9
2078.4	30°	2156.6	2152.0	1953.9	1725.3	1535.8	1460.3	1461.6	1470.2	1471.5	1464.9
2240.1	32.5°	2311.0	2263.9	1958.5	1647.1	1437.1	1390.0	1391.4	1400.6	1407.3	1396.0
2451.4	35°	2497.8	2394.5	1951.2	1549.1	1360.9	1323.1	1313.2	1315.8	1317.8	1307.2
2707.9	37.5°	2715.8	2540.9	1918.8	1440.4	1297.9	1257.5	1236.3	1218.4	1207.8	1197.9
2998.1	40°	2955.0	2700.6	1859.1	1334.4	1227.7	1188.0	1156.2	1122.4	1086.6	1073.3
3305.5	42.5°	3205.4	2864.9	1786.9	1233.0	1146.9	1114.4	1080.6	1031.6	977.9	950.8
3624.8	45°	3465.2	3033.2	1716.0	1133.0	1064.1	1050.1	1011.1	952.1	893.8	859.3
3944.8	47.5°	3719.6	3192.2	1612.0	1032.3	986.5	1001.8	971.3	917.0	852.0	797.7
4262.2	50°	3962.7	3341.3	1441.7	930.2	923.6	987.2	958.1	879.9	805.7	736.1
4573.6	52.5°	4203.9	3461.8	1223.7	837.5	889.8	983.2	940.8	854.7	763.9	691.0
4866.5	55°	4408.6	3524.1	1013.7	758.0	840.8	949.4	920.3	824.9	705.0	627.4
5067.2	57.5°	4525.2	3473.8	838.8	679.8	773.2	893.8	885.2	761.3	634.7	575.1
5106.3	60°	4474.9	3269.7	695.7	611.5	708.9	833.5	824.2	698.3	581.1	524.7
4896.9	62.5°	4197.3	2880.8	582.4	551.9	650.6	771.9	763.3	650.0	540.0	485.7
4341.1	65°	3638.1	2343.5	494.3	502.2	591.7	697.7	710.3	609.5	507.5	454.5
3358.5	67.5°	2774.8	1697.5	425.4	459.1	534.0	624.8	661.2	580.4	480.4	430.0
1943.3	70°	1581.5	964.0	367.1	417.4	483.0	557.2	623.5	557.2	451.2	409.5
728.1	72.5°	599.6	442.6	317.4	375.7	434.0	500.2	581.7	520.8	417.4	386.3
376.3	75°	320.0	269.7	267.0	326.6	377.7	444.6	529.4	485.0	392.2	408.1
260.4	77.5°	218.0	190.8	223.3	279.6	316.0	383.0	473.7	430.7	339.9	338.6
180.2	80°	151.1	135.2	181.5	225.3	244.5	322.0	413.4	369.7	276.9	258.4
111.3	82.5°	90.8	88.1	135.8	168.3	172.9	248.5	342.5	310.1	226.6	197.4
66.3	85°	49.7	52.3	86.8	98.7	100.7	173.6	268.3	239.8	174.3	146.4
23.9	87.5°	13.9	17.9	31.8	39.1	48.4	90.1	159.7	142.4	87.5	61.0
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°
1633.2
1753.1
1829.3
1851.2
1839.2
1811.4
1773.0
1708.1
1637.2
1592.1
1555.0
1513.9
1468.2
1401.3
1314.5
1204.5
1079.3
954.1
856.7
791.8
730.1
683.1
620.8
567.1
516.8
477.0
445.9
422.0
404.2
381.0
421.4
312.1
247.1
198.8
147.7
61.0
0.0

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