

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: P852273

Luminaire Tested: **GLAN-SB2C-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852273
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-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13164 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

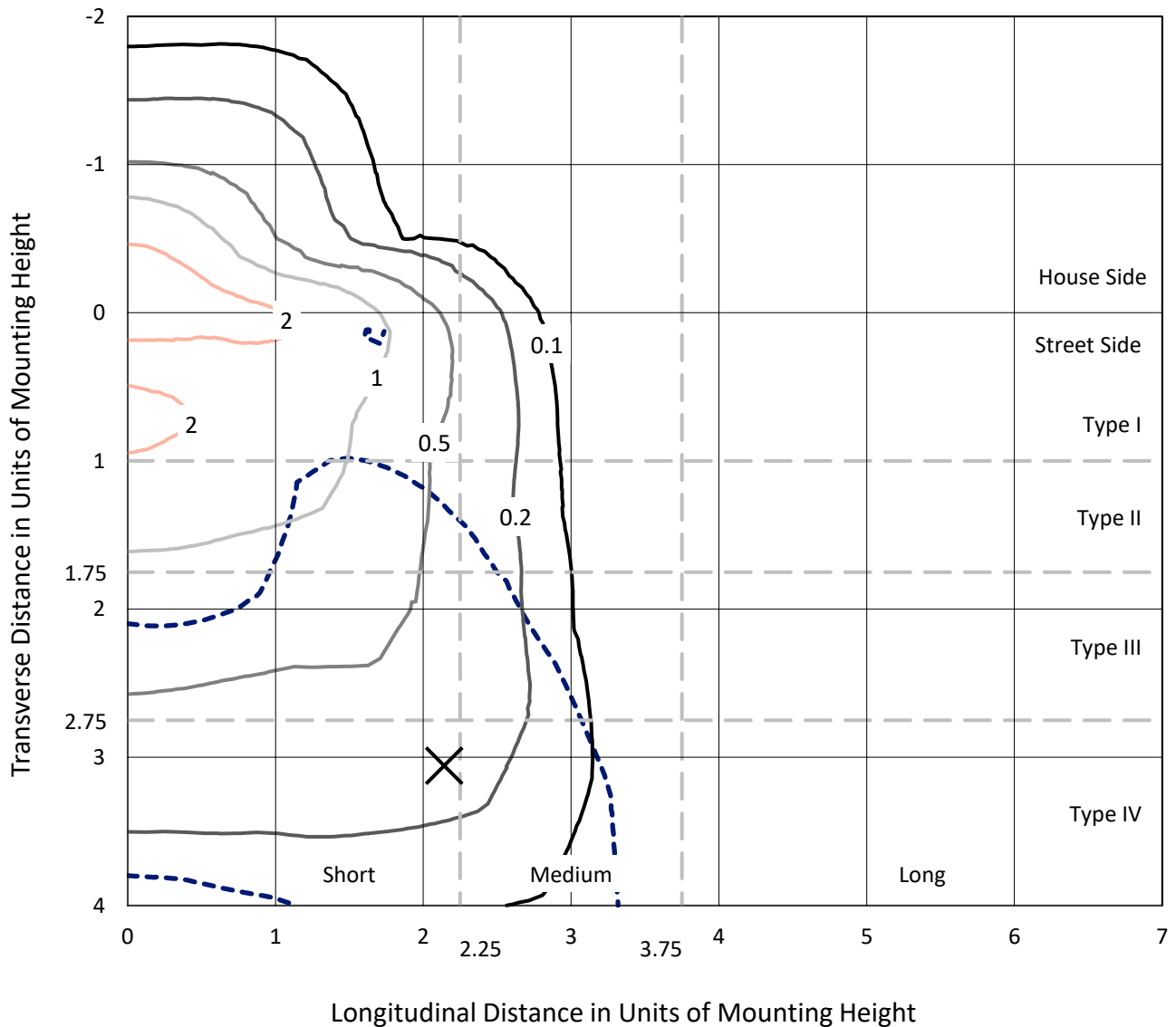
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852273
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Iso-Footcandle Lines of Horizontal Illumination

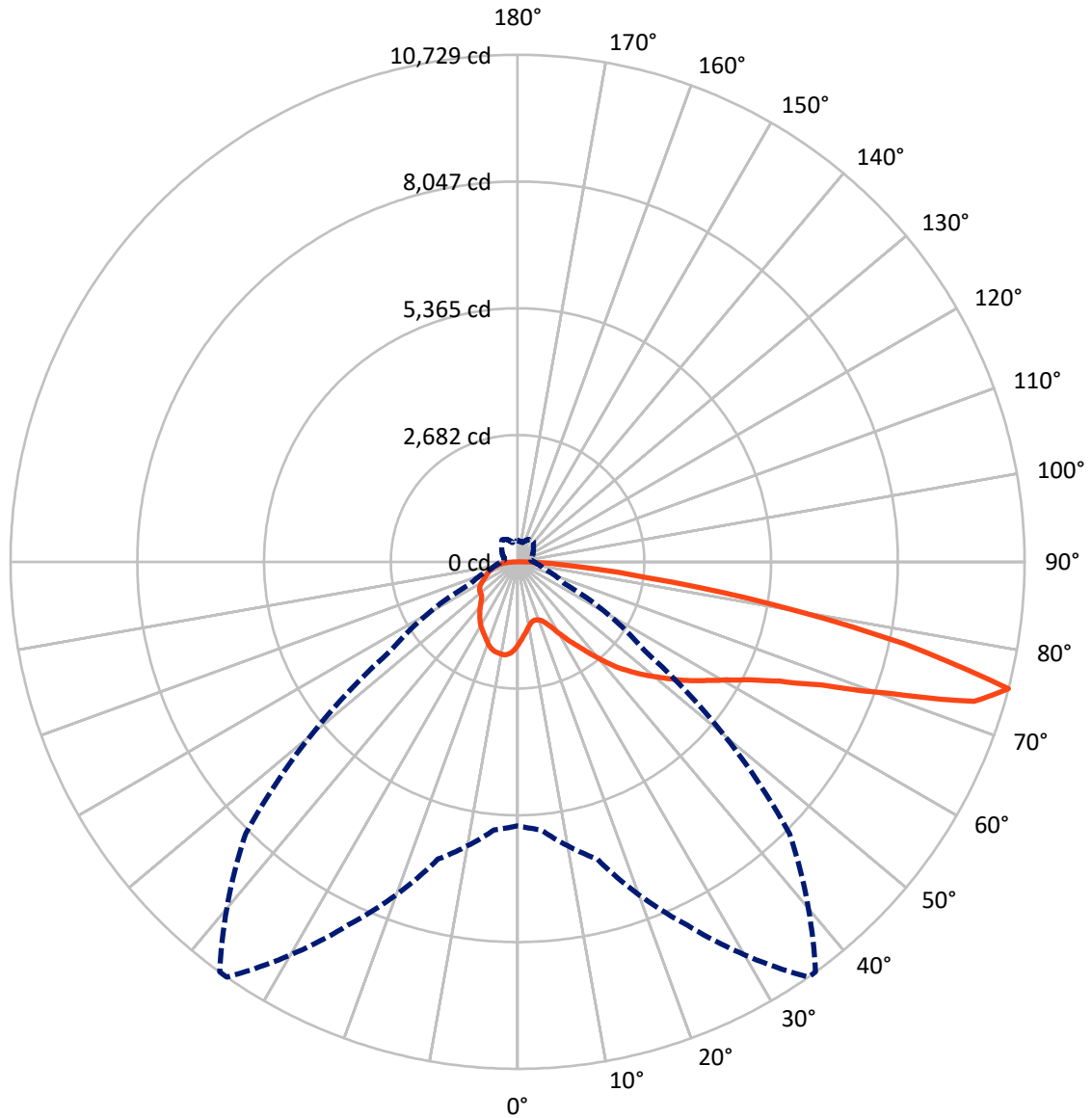
✕ Max cd
 - - - 1/2 Max cd



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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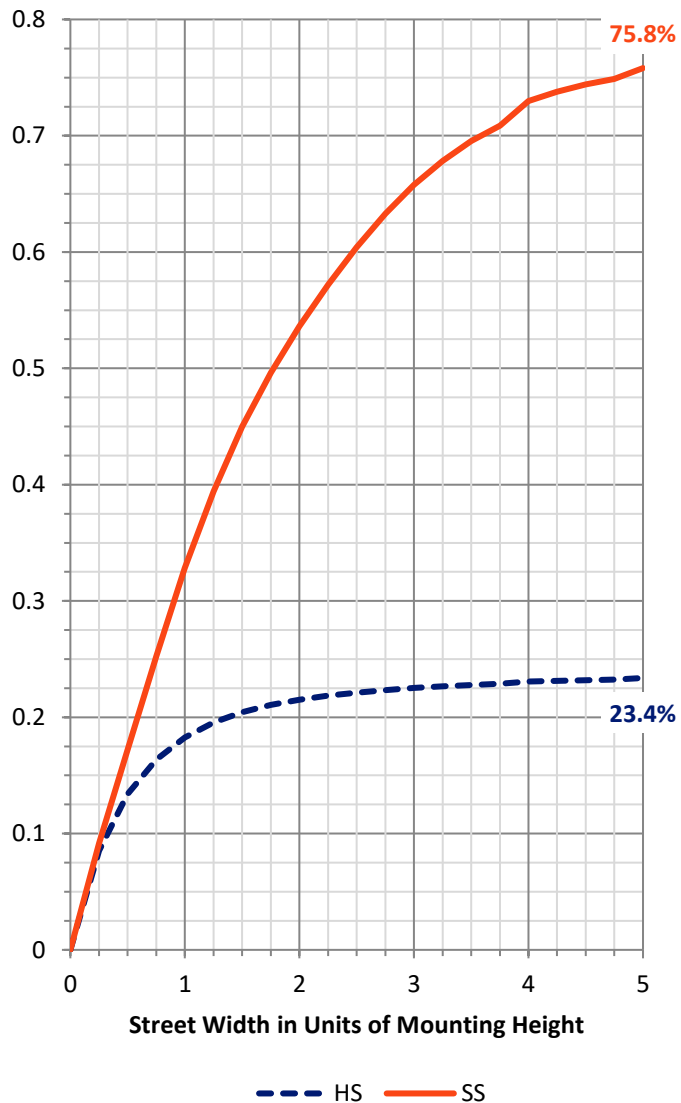
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3132.7	0.0	3132.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10031.3	0.0	10031.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	13164.0	0.0	13164.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	1.3
10°-20°	479.1	3.6
20°-30°	804.5	6.1
30°-40°	1250.3	9.5
40°-50°	1855.7	14.1
50°-60°	2562.0	19.5
60°-70°	3108.2	23.6
70°-80°	2568.7	19.5
80°-90°	369.5	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°	13164.0	100.0
0°-180°	13164.0	100.0

Coefficient of Utilization



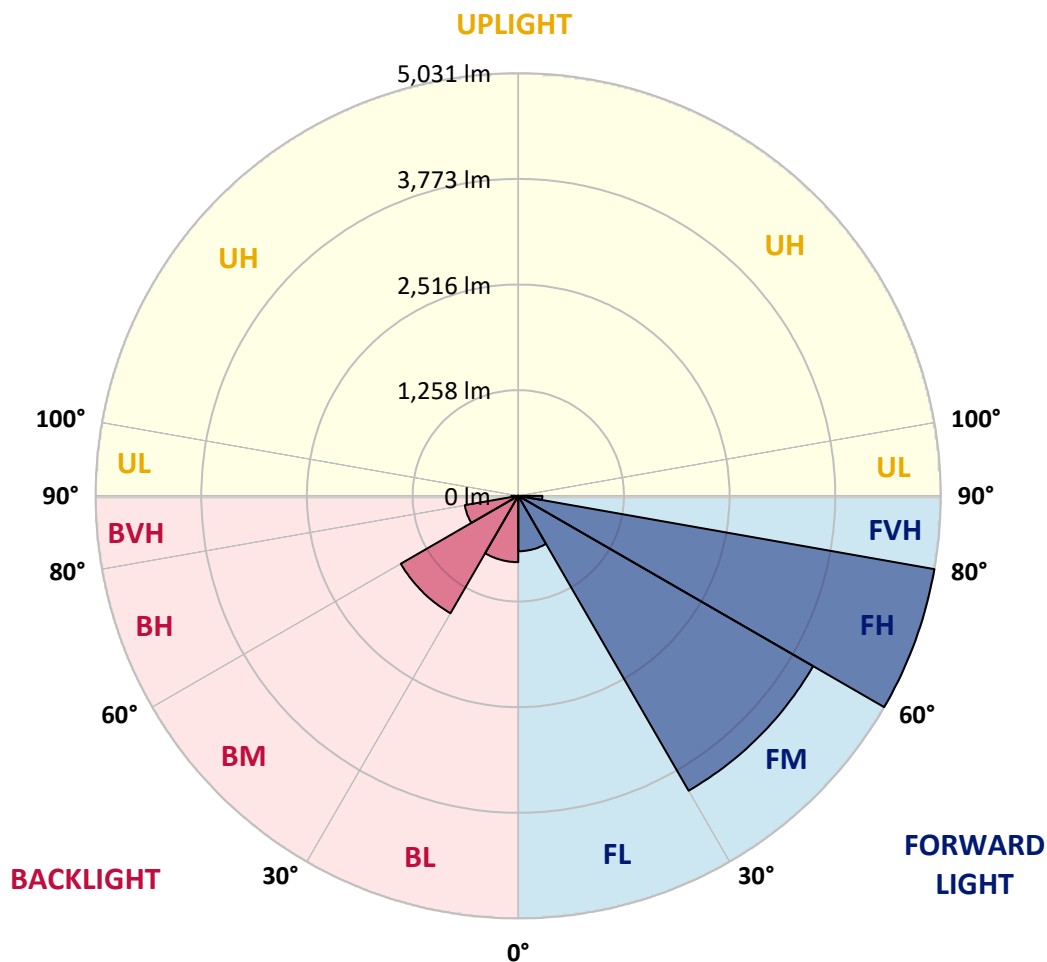
REPORT NUMBER: P852273
 CATALOG NUMBER: GLAN-SB2C-840-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	660.1	5.0			
FM (30°-60°)	4053.8	30.8			
FH (60°-80°)	5031.1	38.2			G3/7500
FVH (80°-90°)	286.3	2.2			G3/500
BL (0°-30°)	789.5	6.0	B2/1000		
BM (30°-60°)	1614.2	12.3	B2/2500		
BH (60°-80°)	645.9	4.9	B2/1000		G2/1000
BVH (80°-90°)	83.2	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°	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2
2.5°	1617.6	1627.5	1631.8	1629.7	1640.3	1638.9	1653.9	1672.4	1698.0	1722.9
5°	1493.0	1503.7	1512.9	1521.5	1542.1	1548.5	1572.0	1607.6	1654.6	1702.2
7.5°	1377.0	1386.3	1400.5	1416.2	1451.0	1457.4	1496.6	1552.1	1617.6	1687.3
10°	1282.4	1291.6	1306.6	1324.4	1367.8	1375.6	1425.4	1499.4	1584.8	1673.1
12.5°	1241.8	1244.7	1253.2	1271.0	1308.7	1313.7	1368.5	1453.2	1552.8	1662.4
15°	1239.7	1245.4	1246.1	1255.3	1286.6	1288.8	1339.3	1423.3	1532.9	1660.3
17.5°	1261.0	1265.3	1258.9	1264.6	1290.9	1294.5	1334.3	1409.0	1526.5	1669.5
20°	1318.0	1321.5	1302.3	1294.5	1313.7	1316.5	1355.7	1418.3	1532.9	1688.7
22.5°	1438.9	1441.1	1394.1	1362.1	1363.5	1364.9	1399.1	1456.0	1557.8	1723.6
25°	1627.5	1626.1	1551.4	1489.5	1453.9	1446.1	1468.8	1517.2	1599.8	1769.8
27.5°	1848.1	1837.5	1762.7	1670.2	1592.6	1581.3	1576.3	1596.9	1659.5	1831.0
30°	2097.2	2087.2	2006.8	1885.8	1778.4	1759.9	1712.9	1702.2	1748.5	1914.3
32.5°	2370.5	2364.1	2268.0	2121.4	1977.6	1956.3	1877.3	1848.8	1885.1	2040.3
35°	2599.6	2593.9	2514.2	2363.4	2187.6	2161.3	2080.8	2048.8	2067.3	2201.8
37.5°	2806.7	2803.9	2735.5	2616.7	2435.2	2403.2	2312.8	2302.2	2298.6	2414.6
40°	2998.9	2991.7	2920.6	2857.9	2723.4	2694.3	2614.6	2605.3	2578.3	2676.5
42.5°	3211.6	3193.1	3089.9	3060.8	3024.5	3000.3	2952.6	2954.0	2894.2	2971.8
45°	3385.3	3374.6	3268.6	3251.5	3290.6	3280.7	3321.9	3332.6	3216.6	3281.4
47.5°	3571.7	3561.8	3472.1	3460.0	3566.0	3568.9	3714.8	3718.3	3531.2	3603.0
50°	3801.6	3787.3	3698.4	3713.3	3832.2	3842.9	4109.7	4085.5	3820.8	3929.7
52.5°	3953.2	3961.7	3942.5	3966.7	4128.9	4138.9	4498.3	4436.4	4107.6	4252.0
55°	4064.9	4082.0	4141.7	4197.3	4442.1	4452.0	4864.8	4770.1	4345.3	4550.9
57.5°	4208.6	4184.4	4296.2	4404.3	4739.5	4765.9	5221.3	5091.8	4555.9	4808.5
60°	4415.0	4397.9	4484.8	4644.9	5072.6	5114.6	5598.5	5381.4	4710.3	5012.8
62.5°	4833.5	4790.8	4804.3	4945.9	5492.4	5547.9	6024.0	5634.1	4787.2	5092.5
65°	5459.0	5385.7	5317.4	5415.6	6083.8	6138.6	6504.4	5832.6	4758.7	4938.1
67.5°	6246.8	6174.2	6090.2	6182.7	6954.9	6998.3	7097.2	5944.3	4534.6	4343.1
70°	6896.5	6869.5	6969.8	7350.5	8346.1	8347.5	7857.2	5851.8	3920.4	3079.3
72.5°	6810.4	6794.0	7322.8	8499.8	10099.6	10061.9	8576.7	5151.6	2640.9	1389.1
75°	5587.1	5693.1	6512.2	8479.2	10729.4	10724.4	8136.2	3275.0	1092.4	575.7
77.5°	2996.0	3164.0	4227.9	6260.3	8376.0	8502.0	5720.2	1145.7	469.0	368.6
80°	977.1	1123.7	1685.2	3187.4	5442.6	5419.1	2451.6	449.8	320.9	261.2
82.5°	414.9	432.0	752.9	1505.1	2793.2	2749.8	780.7	258.3	225.6	178.6
85°	162.3	181.5	332.3	696.0	1209.8	1183.5	281.8	128.1	144.5	116.7
87.5°	53.4	64.8	118.8	238.4	376.5	362.9	69.0	44.1	62.6	53.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852273
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1754.2	0°	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2	1754.2
1759.2	2.5°	1769.1	1780.5	1794.0	1814.0	1831.0	1845.3	1860.2	1869.5	1873.0	1883.7
1762.0	5°	1781.9	1806.9	1840.3	1873.0	1905.1	1924.3	1941.4	1949.9	1957.7	1963.4
1769.8	7.5°	1803.3	1835.3	1888.0	1930.7	1957.7	1973.4	1984.8	1981.9	1984.8	1986.2
1778.4	10°	1821.8	1866.6	1929.3	1969.8	1990.5	1991.2	1988.3	1978.4	1973.4	1974.1
1791.2	12.5°	1843.9	1893.7	1961.3	1995.4	2001.1	1985.5	1973.4	1956.3	1949.9	1947.0
1810.4	15°	1873.7	1930.7	1996.1	2009.0	1994.7	1974.8	1954.2	1926.4	1912.2	1900.8
1843.1	17.5°	1910.0	1972.7	2023.2	2013.9	1983.3	1950.6	1917.2	1875.2	1846.0	1833.9
1888.0	20°	1960.6	2016.8	2043.8	2003.3	1957.0	1907.2	1850.3	1799.0	1772.0	1759.9
1944.9	22.5°	2021.8	2075.9	2063.8	1984.8	1919.3	1839.6	1768.4	1730.7	1717.2	1708.6
2018.2	25°	2095.1	2141.3	2078.0	1957.7	1857.4	1749.9	1695.1	1683.0	1676.6	1670.2
2107.9	27.5°	2190.4	2215.3	2088.7	1917.9	1760.6	1654.6	1634.6	1636.8	1634.6	1624.0
2232.4	30°	2316.4	2311.4	2098.6	1853.1	1649.6	1568.5	1569.9	1579.1	1580.6	1573.4
2406.1	32.5°	2482.2	2431.7	2103.6	1769.1	1543.5	1493.0	1494.4	1504.4	1511.5	1499.4
2633.1	35°	2682.9	2571.9	2095.8	1663.8	1461.7	1421.1	1410.5	1413.3	1415.5	1404.1
2908.5	37.5°	2917.0	2729.1	2060.9	1547.1	1394.1	1350.7	1327.9	1308.7	1297.3	1286.6
3220.2	40°	3173.9	2900.6	1996.9	1433.2	1318.7	1276.0	1241.8	1205.5	1167.1	1152.9
3550.4	42.5°	3442.9	3077.1	1919.3	1324.4	1231.8	1197.0	1160.7	1108.0	1050.4	1021.2
3893.4	45°	3721.9	3257.9	1843.1	1216.9	1142.9	1127.9	1086.0	1022.6	960.0	923.0
4237.1	47.5°	3995.1	3428.7	1731.4	1108.7	1059.6	1076.0	1043.3	984.9	915.2	856.8
4578.0	50°	4256.3	3588.8	1548.5	999.1	992.0	1060.3	1029.0	945.1	865.4	790.6
4912.4	52.5°	4515.4	3718.3	1314.4	899.5	955.7	1056.1	1010.5	918.0	820.5	742.2
5227.0	55°	4735.3	3785.2	1088.8	814.1	903.1	1019.8	988.5	886.0	757.2	673.9
5442.6	57.5°	4860.5	3731.1	900.9	730.1	830.5	960.0	950.8	817.7	681.8	617.7
5484.6	60°	4806.4	3511.9	747.2	656.8	761.5	895.2	885.3	750.1	624.1	563.6
5259.7	62.5°	4508.2	3094.2	625.5	592.8	698.8	829.1	819.8	698.1	580.0	521.6
4662.7	65°	3907.6	2517.1	530.9	539.4	635.5	749.4	762.9	654.7	545.1	488.2
3607.3	67.5°	2980.3	1823.2	456.9	493.2	573.6	671.1	710.2	623.4	515.9	461.9
2087.2	70°	1698.7	1035.4	394.2	448.3	518.8	598.5	669.7	598.5	484.6	439.8
782.1	72.5°	644.0	475.4	340.9	403.5	466.1	537.3	624.8	559.3	448.3	414.9
404.2	75°	343.7	289.6	286.8	350.8	405.6	477.5	568.6	520.9	421.3	438.4
279.7	77.5°	234.1	205.0	239.8	300.3	339.5	411.3	508.8	462.6	365.1	363.6
193.6	80°	162.3	145.2	195.0	242.0	262.6	345.9	444.1	397.1	297.5	277.5
119.6	82.5°	97.5	94.6	145.9	180.8	185.7	266.9	367.9	333.0	243.4	212.1
71.2	85°	53.4	56.2	93.2	106.0	108.2	186.4	288.2	257.6	187.2	157.3
25.6	87.5°	14.9	19.2	34.2	42.0	51.9	96.8	171.5	153.0	93.9	65.5
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°
1754.2
1883.0
1964.8
1988.3
1975.5
1945.6
1904.3
1834.6
1758.5
1710.1
1670.2
1626.1
1577.0
1505.1
1411.9
1293.8
1159.3
1024.8
920.2
850.4
784.2
733.7
666.8
609.2
555.1
512.4
478.9
453.3
434.1
409.2
452.6
335.2
265.4
213.5
158.7
65.5
0.0

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