

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: P848028

Luminaire Tested: **GLAN-SB4B-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14543 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

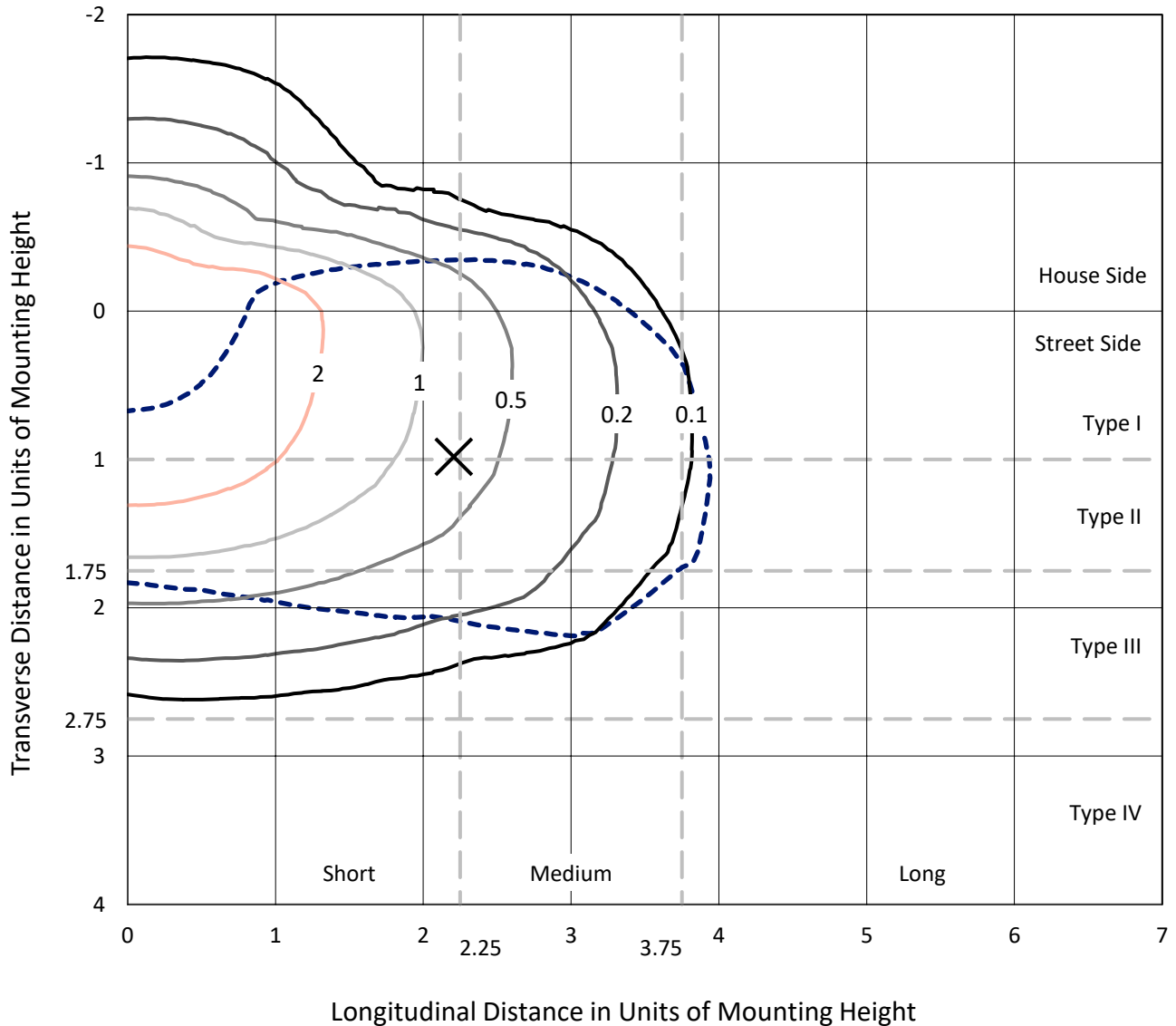
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

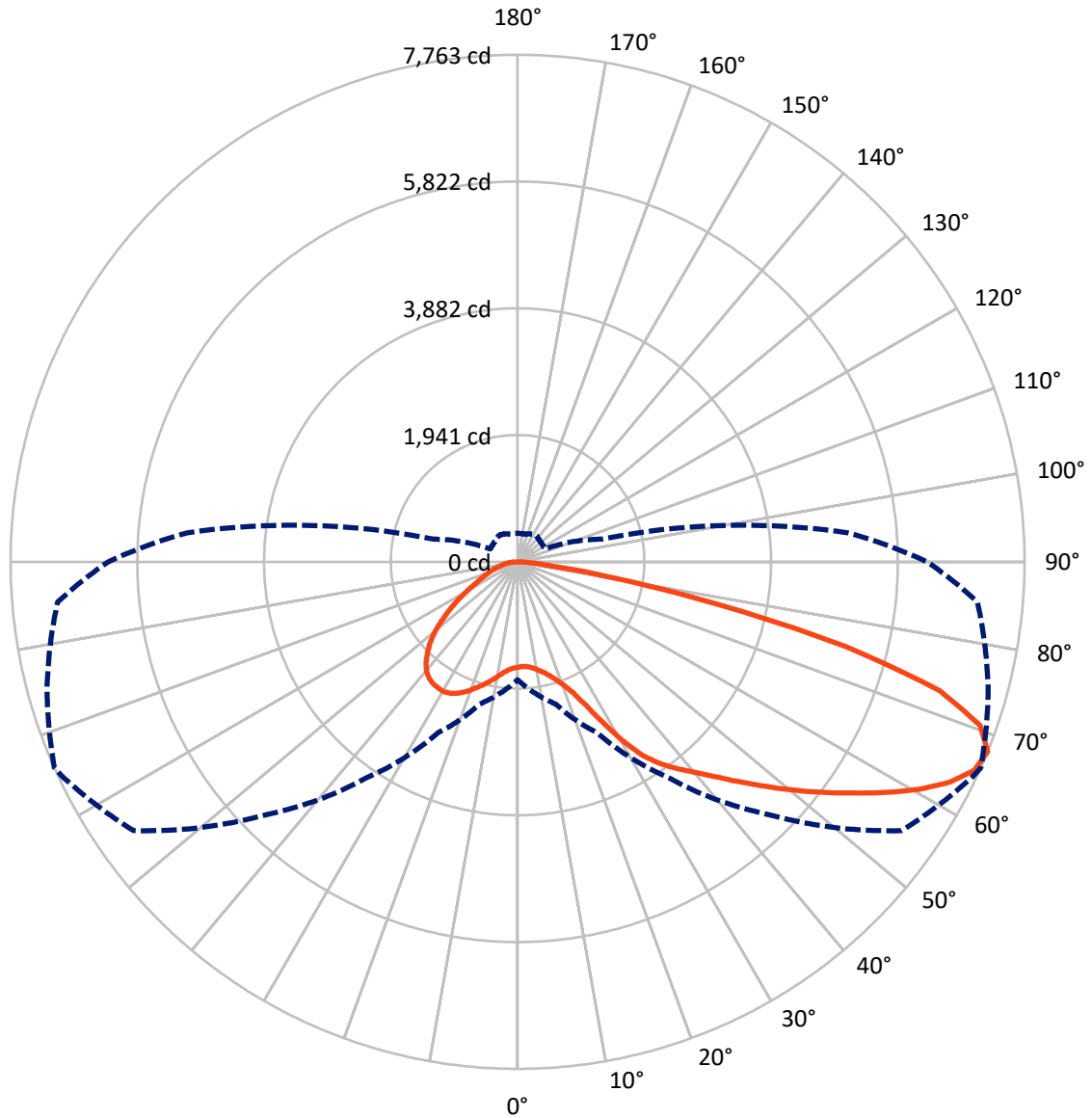
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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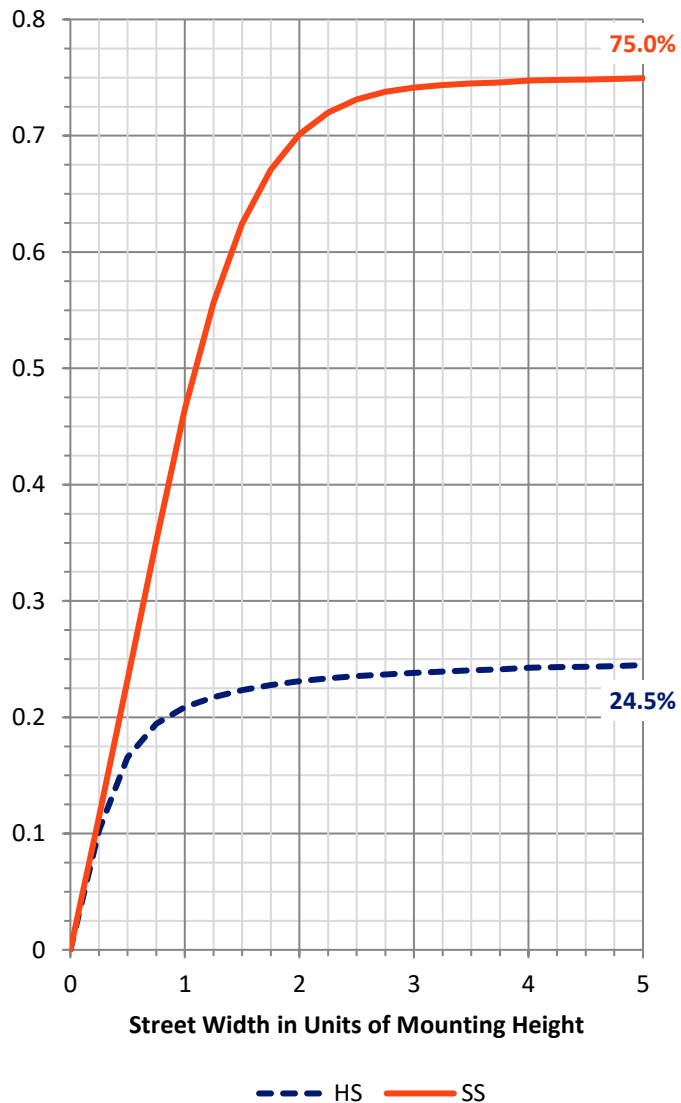
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3616.1	0.0	3616.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10926.9	0.0	10926.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	14543.0	0.0	14543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	1.1
10°-20°	528.4	3.6
20°-30°	1018.4	7.0
30°-40°	1785.6	12.3
40°-50°	2654.6	18.3
50°-60°	3365.0	23.1
60°-70°	3292.6	22.6
70°-80°	1570.6	10.8
80°-90°	167.9	1.2
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°	14543.0	100.0
0°-180°	14543.0	100.0

Coefficient of Utilization



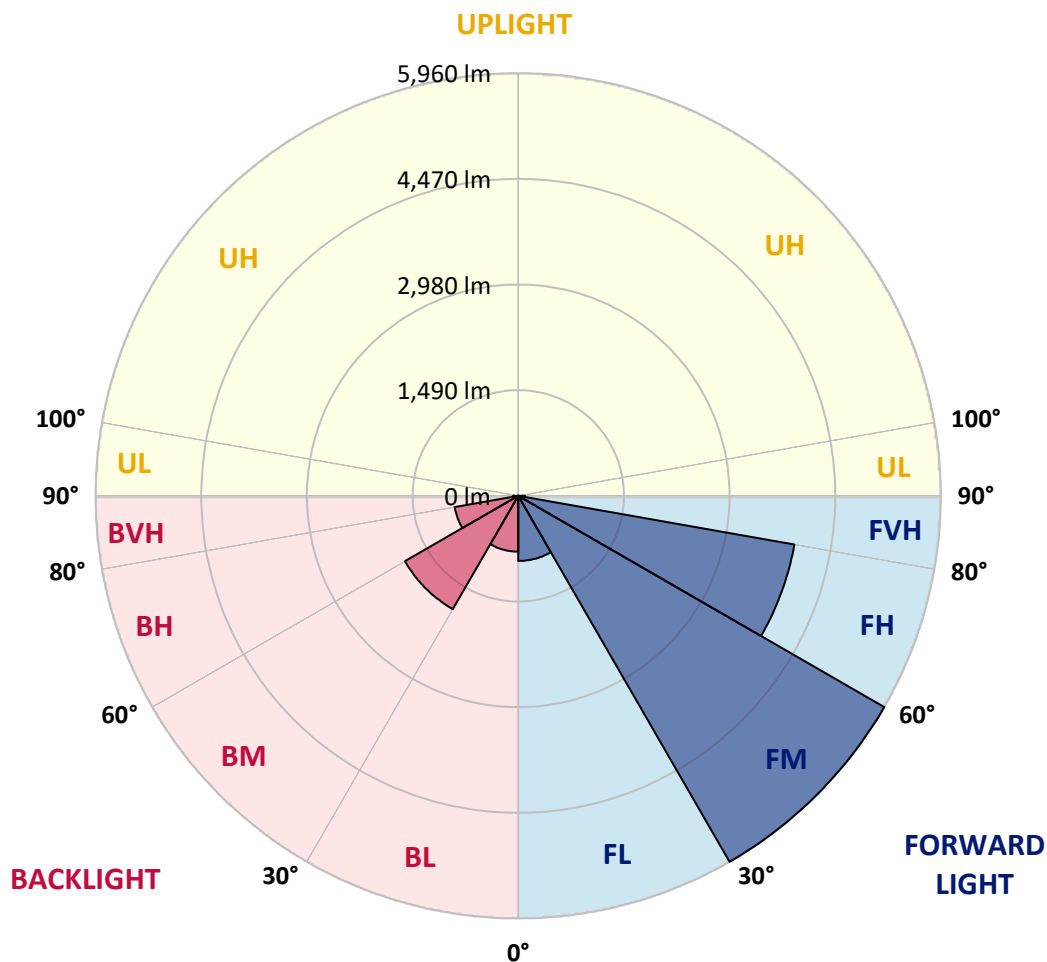
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.0	6.3			
FM (30°-60°)	5959.6	41.0			
FH (60°-80°)	3953.2	27.2			G2/5000
FVH (80°-90°)	95.2	0.7			G1/100
BL (0°-30°)	787.7	5.4	B2/1000		
BM (30°-60°)	1845.7	12.7	B2/2500		
BH (60°-80°)	910.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	72.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0
2.5°	1596.2	1605.4	1603.1	1599.3	1598.5	1600.0	1602.3	1604.6	1603.8	1607.7
5°	1591.6	1600.8	1600.0	1600.0	1603.1	1609.2	1613.0	1616.8	1613.0	1617.6
7.5°	1594.7	1601.5	1604.6	1607.7	1615.3	1626.8	1635.9	1644.3	1639.8	1645.1
10°	1633.6	1639.0	1642.0	1642.0	1647.4	1660.4	1669.6	1684.8	1681.0	1689.4
12.5°	1704.7	1710.1	1710.1	1707.0	1710.8	1719.2	1722.3	1739.1	1732.2	1746.0
15°	1791.8	1802.5	1794.1	1788.8	1790.3	1798.7	1797.9	1810.9	1804.0	1815.5
17.5°	1888.1	1901.8	1888.1	1887.3	1884.3	1893.4	1894.2	1905.7	1893.4	1901.8
20°	2001.9	2021.0	2009.6	2013.4	2006.5	2010.3	2014.2	2031.0	2011.9	2018.0
22.5°	2162.4	2185.3	2173.1	2187.6	2183.0	2180.0	2179.2	2209.0	2179.2	2181.5
25°	2396.2	2423.7	2402.3	2422.2	2422.2	2432.1	2443.6	2481.8	2432.1	2417.6
27.5°	2741.6	2769.1	2727.1	2739.3	2735.5	2759.9	2747.7	2842.4	2789.0	2765.3
30°	3157.3	3206.2	3126.7	3123.6	3119.8	3158.8	3176.4	3239.0	3184.8	3161.1
32.5°	3606.5	3657.7	3563.0	3535.5	3521.0	3544.7	3530.1	3580.6	3543.1	3506.4
35°	4081.8	4132.2	4042.1	3988.6	3930.5	3880.9	3828.9	3841.9	3806.7	3751.0
37.5°	4531.1	4623.6	4528.0	4470.7	4363.8	4266.7	4121.5	4061.2	4028.3	3977.1
40°	4988.8	5041.5	4968.9	4920.0	4803.9	4651.8	4419.5	4291.9	4247.6	4198.0
42.5°	5325.8	5376.2	5337.2	5303.6	5212.7	5036.2	4735.9	4576.2	4512.0	4456.2
45°	5593.2	5630.6	5606.2	5618.4	5579.4	5408.3	5063.7	4881.1	4814.6	4746.6
47.5°	5700.9	5740.7	5779.6	5852.2	5918.7	5792.6	5415.9	5211.1	5140.9	5071.3
50°	5688.7	5729.2	5842.3	5996.6	6202.9	6160.9	5787.3	5562.6	5497.7	5418.2
52.5°	5590.9	5636.8	5781.9	6038.7	6367.2	6436.8	6165.5	5925.6	5864.5	5769.7
55°	5334.2	5361.7	5579.4	5943.2	6406.2	6629.3	6536.1	6312.2	6251.1	6118.9
57.5°	4858.1	4897.9	5215.0	5685.7	6308.4	6760.0	6861.6	6718.7	6659.9	6469.6
60°	4236.9	4300.3	4663.3	5253.2	6059.3	6759.2	7157.3	7118.3	7069.4	6815.0
62.5°	3534.0	3607.3	3956.5	4641.9	5623.8	6567.4	7342.2	7453.0	7427.8	7133.6
65°	2714.1	2764.5	3112.2	3851.1	4946.0	6155.6	7363.6	7681.5	7686.1	7375.8
67.5°	1807.1	1952.3	2254.1	2889.8	4038.3	5482.4	7175.6	7718.9	7763.2	7459.1
70°	881.8	1072.8	1368.5	1878.2	2889.8	4450.1	6684.3	7411.8	7510.3	7216.1
72.5°	366.0	427.9	589.1	926.9	1658.9	3002.9	5697.1	6578.9	6761.5	6394.0
75°	246.8	267.4	337.0	475.3	755.7	1480.8	4108.6	4905.5	5199.7	4829.1
77.5°	190.3	203.3	245.3	332.4	449.3	560.1	2199.1	2956.3	3108.4	2877.6
80°	149.8	159.7	183.4	242.2	318.6	299.5	749.6	1339.5	1427.3	1197.3
82.5°	129.9	133.7	131.4	164.3	211.7	175.0	246.0	494.4	545.6	395.8
85°	94.0	104.7	109.3	101.6	112.3	88.6	100.9	175.0	192.6	171.9
87.5°	38.2	56.5	69.5	65.7	41.3	25.2	31.3	51.2	58.8	64.2
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°
1613.0	0°	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0	1613.0
1613.8	2.5°	1614.5	1619.9	1623.7	1628.3	1631.3	1635.9	1645.1	1650.5	1651.2	1655.0
1626.0	5°	1629.1	1636.7	1645.1	1657.3	1671.1	1682.5	1700.1	1712.3	1716.9	1720.7
1655.8	7.5°	1660.4	1671.1	1686.4	1707.8	1727.6	1742.9	1764.3	1778.8	1793.3	1798.7
1703.2	10°	1707.0	1722.3	1744.4	1773.5	1794.9	1814.7	1836.9	1849.1	1863.6	1869.7
1759.7	12.5°	1765.1	1781.1	1810.1	1850.6	1870.5	1884.3	1891.9	1888.9	1891.9	1897.3
1827.7	15°	1831.5	1849.1	1882.0	1925.5	1939.3	1927.1	1910.2	1895.0	1892.7	1894.2
1910.2	17.5°	1910.2	1923.2	1961.4	1998.1	1988.2	1937.8	1901.1	1876.6	1864.4	1860.6
2015.7	20°	2020.3	2020.3	2051.6	2074.5	2008.0	1922.5	1865.2	1825.4	1800.2	1789.5
2159.3	22.5°	2154.0	2141.8	2161.6	2145.6	2004.2	1879.7	1800.2	1731.4	1693.2	1678.0
2360.3	25°	2323.6	2309.1	2303.8	2204.4	1976.7	1811.7	1682.5	1599.3	1565.6	1557.2
2649.9	27.5°	2579.6	2542.9	2473.4	2236.5	1926.3	1704.7	1545.0	1467.8	1448.7	1449.5
3022.0	30°	2920.4	2847.0	2676.6	2241.9	1843.8	1553.4	1404.4	1349.4	1340.2	1344.0
3334.5	32.5°	3236.0	3166.4	2884.5	2217.4	1716.9	1405.2	1278.3	1241.7	1227.9	1232.5
3572.9	35°	3483.5	3464.4	3077.0	2183.0	1561.1	1266.1	1165.2	1133.9	1107.2	1101.1
3797.6	37.5°	3717.3	3709.7	3221.4	2134.9	1406.7	1167.5	1074.3	1033.1	994.1	972.7
4045.9	40°	3974.1	3966.4	3316.2	2060.8	1269.9	1082.0	992.6	938.3	890.2	851.2
4327.1	42.5°	4262.9	4217.8	3361.3	1954.6	1153.8	1009.4	926.1	852.7	789.3	753.4
4645.0	45°	4578.5	4476.9	3360.5	1819.3	1056.0	942.9	855.0	751.1	692.3	658.7
4971.2	47.5°	4913.2	4724.4	3319.2	1669.6	961.2	869.5	745.0	665.5	626.6	605.9
5325.8	50°	5258.5	4955.9	3248.9	1497.6	864.2	786.3	676.2	622.0	592.2	573.1
5677.2	52.5°	5583.3	5166.1	3164.1	1302.8	765.6	705.3	645.7	603.6	572.3	550.9
6018.0	55°	5885.1	5347.2	3044.2	1103.4	685.4	651.0	631.1	596.0	560.1	534.9
6364.2	57.5°	6153.3	5464.8	2837.1	916.2	628.1	613.6	615.9	583.0	541.7	520.4
6705.0	60°	6376.4	5551.2	2530.7	742.7	581.5	576.9	592.2	558.6	510.4	486.0
6993.0	62.5°	6510.1	5549.6	2154.8	608.2	541.7	543.3	560.8	528.0	479.1	456.2
7143.6	65°	6498.7	5413.6	1742.1	520.4	503.5	505.1	528.0	494.4	453.1	439.4
7067.9	67.5°	6268.7	5082.0	1336.4	463.0	461.5	468.4	495.1	471.4	437.1	435.5
6617.1	70°	5645.9	4393.6	962.8	417.2	418.0	427.9	463.0	456.9	428.7	431.7
5563.4	72.5°	4527.3	3349.8	646.4	369.1	369.8	385.9	432.5	445.5	420.3	460.8
3947.3	75°	3015.1	2089.0	415.7	317.9	318.6	339.3	405.7	423.3	397.3	459.2
2053.9	77.5°	1448.7	939.1	301.1	267.4	267.4	286.5	350.7	379.0	338.5	356.8
660.2	80°	500.5	353.0	236.9	215.5	210.9	223.9	295.7	328.6	291.9	269.0
215.5	82.5°	197.1	183.4	190.3	167.3	152.1	160.5	230.0	271.3	214.7	194.1
121.5	85°	113.1	119.2	134.5	110.8	87.9	98.6	168.9	194.8	162.0	142.9
39.7	87.5°	30.6	42.0	61.9	57.3	39.7	42.0	80.2	107.7	93.2	71.8
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°
1613.0
1654.3
1720.0
1799.5
1872.8
1898.8
1899.5
1865.9
1787.2
1675.7
1558.8
1451.8
1357.0
1238.6
1105.6
973.5
855.0
755.7
657.1
601.3
566.2
541.7
524.9
506.6
475.3
449.3
438.6
437.8
431.0
466.9
463.0
327.0
252.2
193.3
145.9
74.1
0.0

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