

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: P846818

Luminaire Tested: **GLAN-SB2C-840-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846818  
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-SB2C-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13328 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

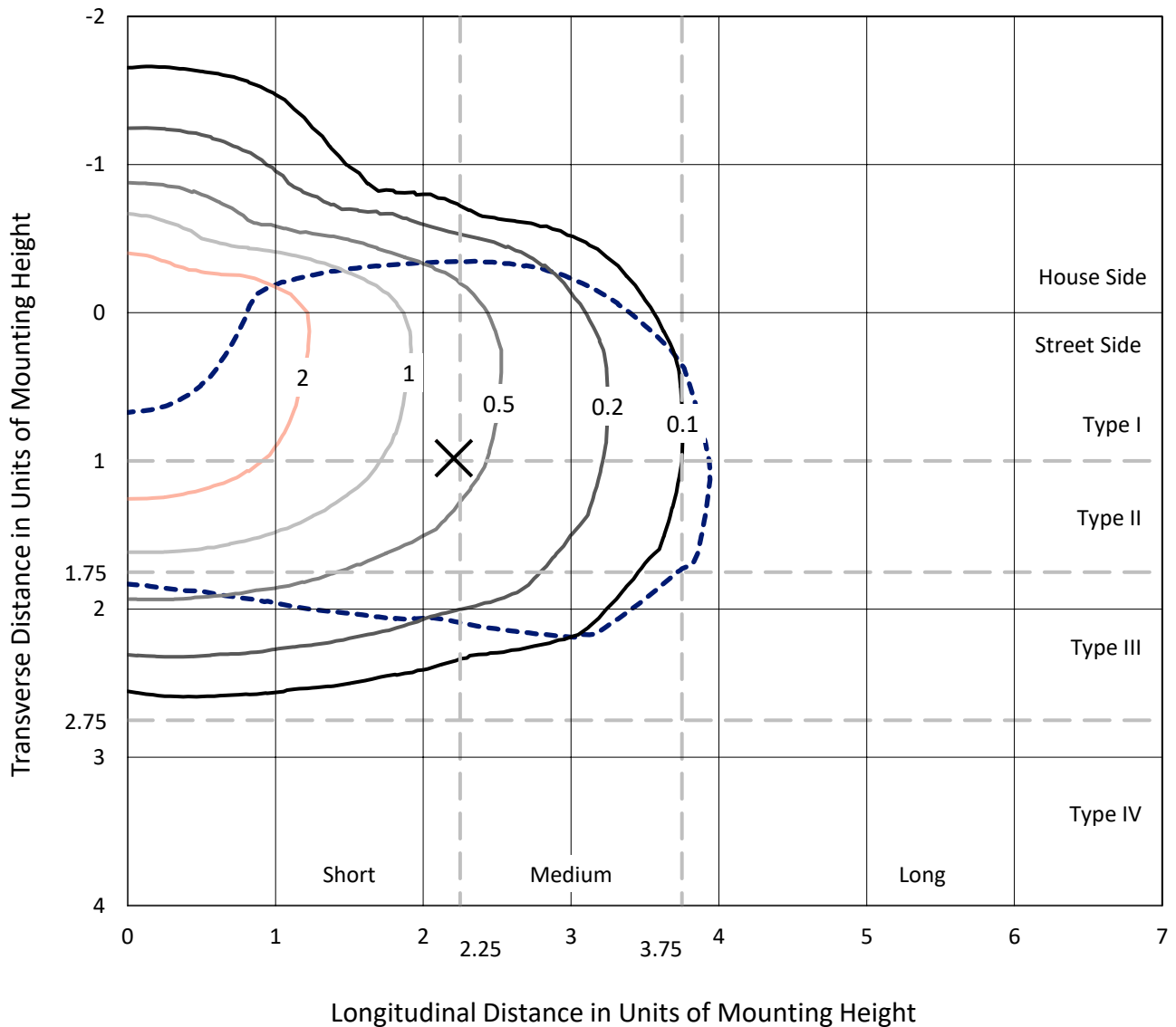
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

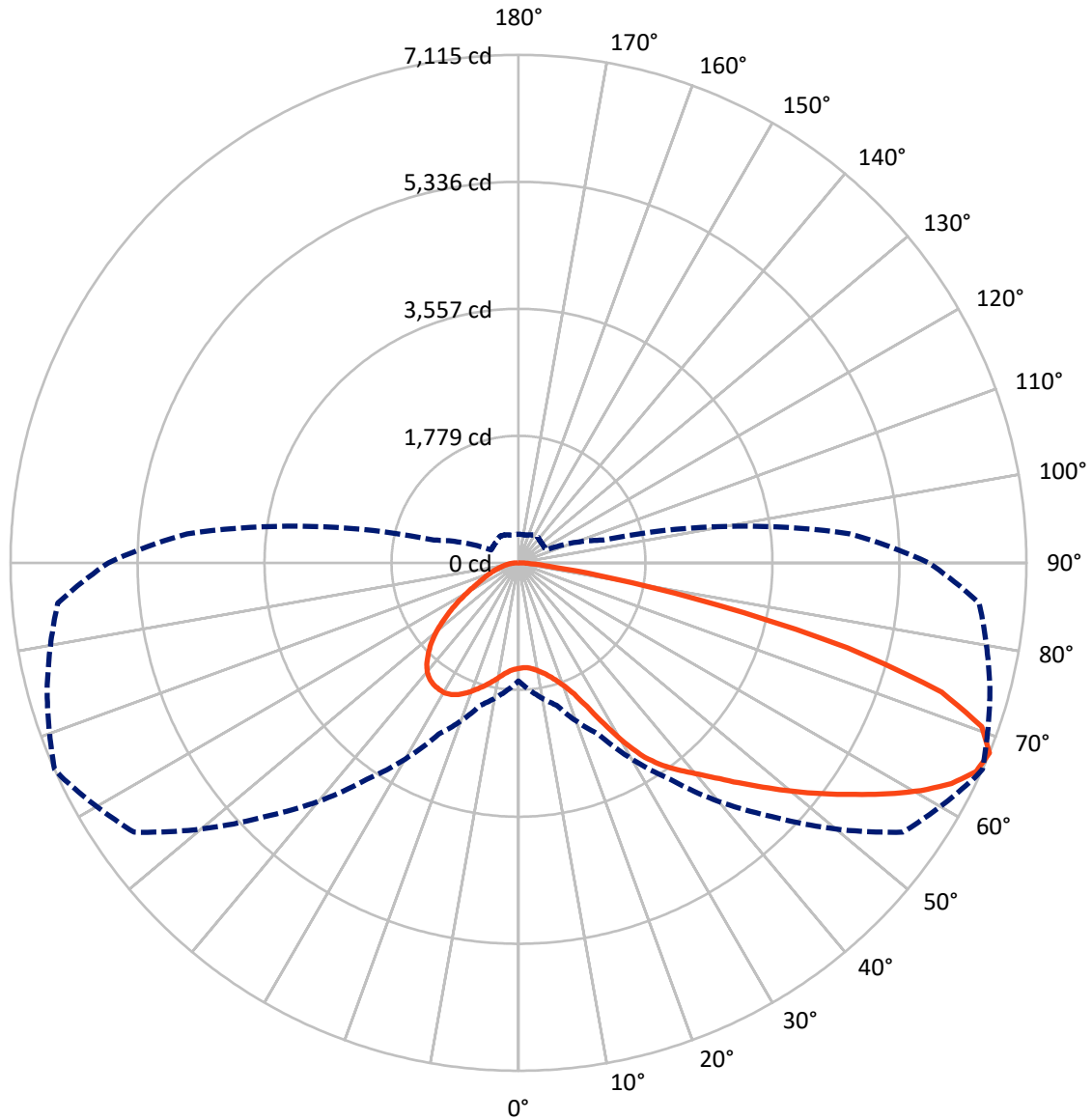
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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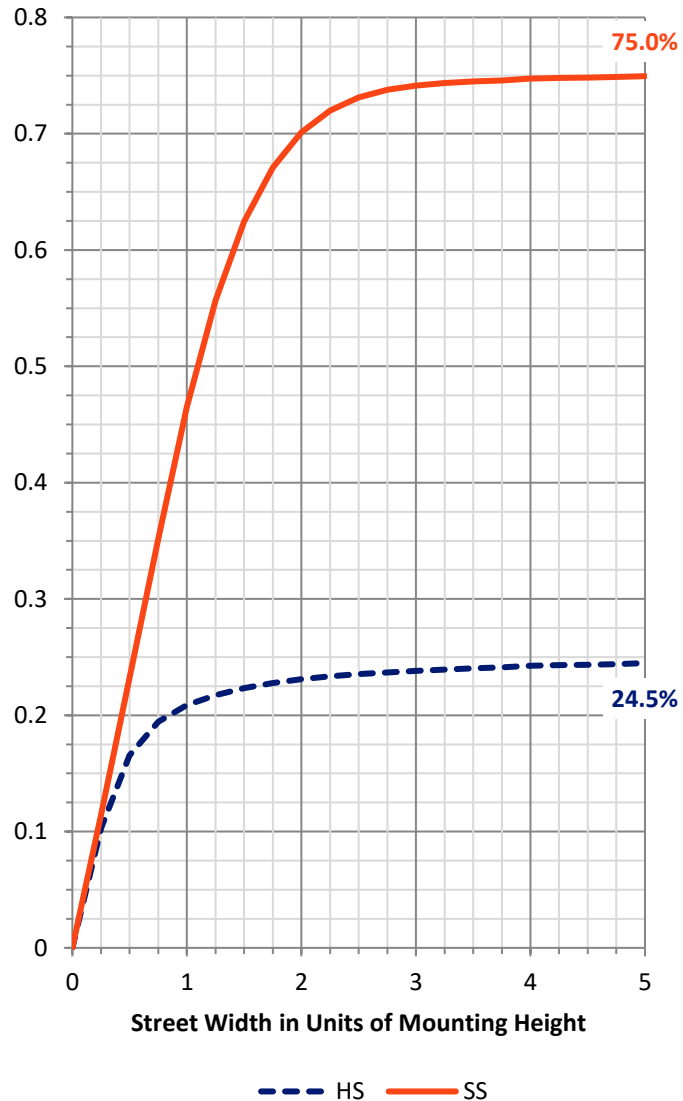
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3314.0	0.0	3314.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	10014.0	0.0	10014.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	13328.0	0.0	13328.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.6	1.1
10°-20°	484.2	3.6
20°-30°	933.3	7.0
30°-40°	1636.4	12.3
40°-50°	2432.9	18.3
50°-60°	3083.9	23.1
60°-70°	3017.5	22.6
70°-80°	1439.4	10.8
80°-90°	153.8	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°	13328.0	100.0
0°-180°	13328.0	100.0

**Coefficient of Utilization**



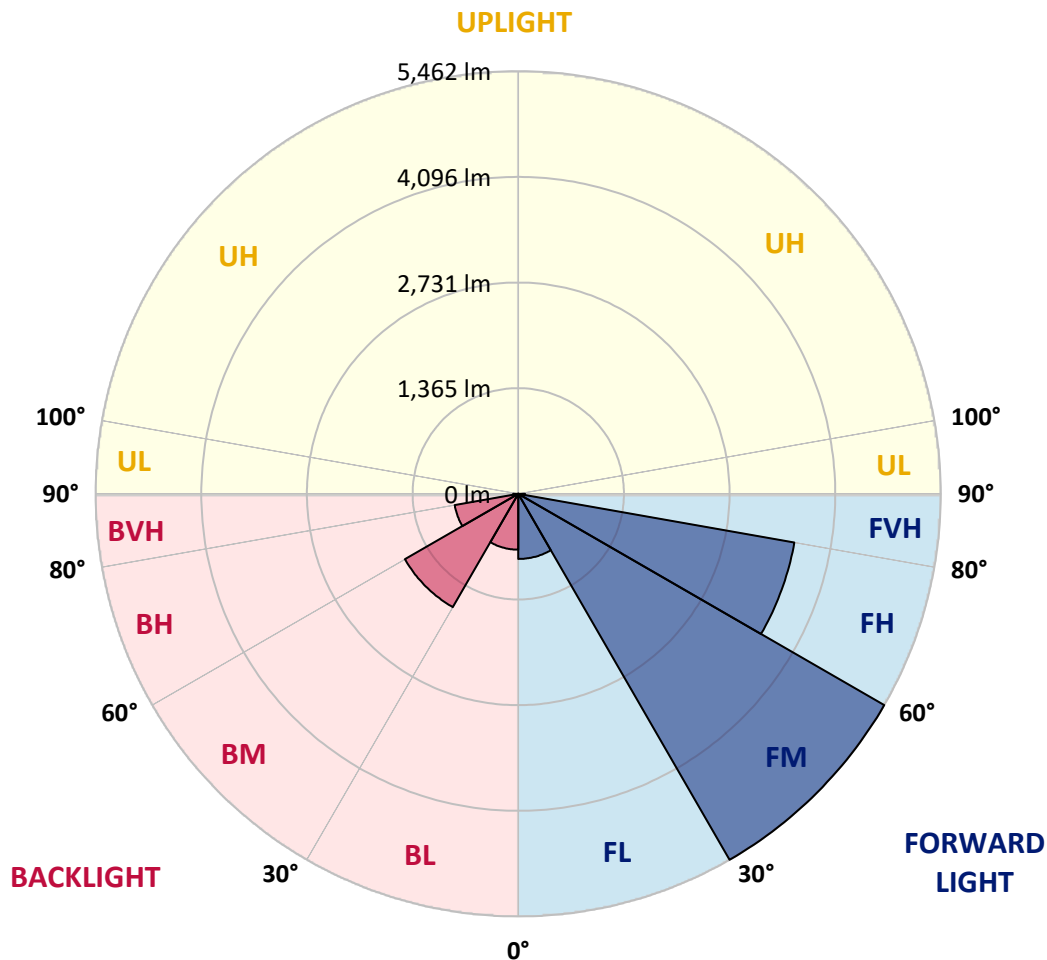
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	842.2	6.3			
FM (30°-60°)	5461.7	41.0			
FH (60°-80°)	3622.9	27.2			G2/5000
FVH (80°-90°)	87.2	0.7			G1/100
BL (0°-30°)	721.9	5.4	B2/1000		
BM (30°-60°)	1691.5	12.7	B2/2500		
BH (60°-80°)	834.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	66.6	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°	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3
2.5°	1462.8	1471.2	1469.1	1465.6	1464.9	1466.3	1468.4	1470.5	1469.8	1473.3
5°	1458.6	1467.0	1466.3	1466.3	1469.1	1474.8	1478.3	1481.8	1478.3	1482.5
7.5°	1461.4	1467.7	1470.5	1473.3	1480.4	1490.9	1499.3	1507.0	1502.8	1507.7
10°	1497.2	1502.1	1504.9	1504.9	1509.8	1521.7	1530.1	1544.1	1540.6	1548.3
12.5°	1562.3	1567.2	1567.2	1564.4	1567.9	1575.6	1578.4	1593.8	1587.5	1600.1
15°	1642.1	1651.9	1644.2	1639.3	1640.7	1648.4	1647.7	1659.6	1653.3	1663.8
17.5°	1730.3	1743.0	1730.3	1729.6	1726.8	1735.2	1735.9	1746.5	1735.2	1743.0
20°	1834.7	1852.2	1841.7	1845.2	1838.9	1842.4	1845.9	1861.3	1843.8	1849.4
22.5°	1981.7	2002.7	1991.5	2004.8	2000.6	1997.8	1997.1	2024.5	1997.1	1999.2
25°	2196.0	2221.2	2201.6	2219.8	2219.8	2228.9	2239.4	2274.4	2228.9	2215.6
27.5°	2512.5	2537.7	2499.2	2510.4	2506.9	2529.3	2518.1	2605.0	2556.0	2534.2
30°	2893.5	2938.3	2865.5	2862.7	2859.2	2894.9	2911.0	2968.4	2918.7	2897.0
32.5°	3305.2	3352.2	3265.3	3240.1	3226.8	3248.5	3235.2	3281.4	3247.1	3213.5
35°	3740.8	3787.0	3704.4	3655.4	3602.1	3556.6	3509.0	3520.9	3488.7	3437.6
37.5°	4152.5	4237.3	4149.7	4097.2	3999.2	3910.3	3777.2	3721.9	3691.8	3644.9
40°	4572.0	4620.3	4553.8	4509.0	4402.5	4263.2	4050.3	3933.4	3892.8	3847.2
42.5°	4880.8	4927.0	4891.3	4860.5	4777.2	4615.4	4340.2	4193.9	4135.0	4083.9
45°	5125.9	5160.2	5137.8	5149.0	5113.3	4956.4	4640.6	4473.3	4412.3	4350.0
47.5°	5224.6	5261.1	5296.8	5363.3	5424.2	5308.7	4963.5	4775.8	4711.4	4647.6
50°	5213.4	5250.6	5354.2	5495.6	5684.7	5646.2	5303.8	5097.9	5038.4	4965.6
52.5°	5123.8	5165.8	5298.9	5534.2	5835.3	5899.0	5650.4	5430.5	5374.5	5287.7
55°	4888.5	4913.7	5113.3	5446.6	5871.0	6075.5	5990.0	5784.9	5728.8	5607.7
57.5°	4452.3	4488.7	4779.3	5210.6	5781.4	6195.2	6288.3	6157.4	6103.5	5929.1
60°	3882.9	3941.1	4273.7	4814.3	5553.1	6194.5	6559.3	6523.6	6478.8	6245.6
62.5°	3238.7	3305.9	3626.0	4254.1	5153.9	6018.7	6728.8	6830.3	6807.2	6537.6
65°	2487.3	2533.5	2852.2	3529.3	4532.8	5641.3	6748.4	7039.7	7043.9	6759.6
67.5°	1656.1	1789.2	2065.8	2648.4	3700.9	5024.4	6576.2	7074.0	7114.7	6835.9
70°	808.1	983.2	1254.2	1721.2	2648.4	4078.3	6125.9	6792.5	6882.9	6613.3
72.5°	335.4	392.1	539.9	849.4	1520.3	2752.0	5221.1	6029.2	6196.6	5859.8
75°	226.2	245.1	308.8	435.6	692.6	1357.1	3765.3	4495.7	4765.3	4425.7
77.5°	174.4	186.3	224.8	304.6	411.8	513.3	2015.4	2709.3	2848.7	2637.2
80°	137.3	146.4	168.1	222.0	292.0	274.5	687.0	1227.6	1308.1	1097.3
82.5°	119.0	122.5	120.4	150.6	194.0	160.4	225.5	453.1	500.0	362.7
85°	86.1	95.9	100.1	93.1	102.9	81.2	92.4	160.4	176.5	157.6
87.5°	35.0	51.8	63.7	60.2	37.8	23.1	28.7	46.9	53.9	58.8
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°
1478.3	0°	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3	1478.3
1479.0	2.5°	1479.7	1484.6	1488.1	1492.3	1495.1	1499.3	1507.7	1512.6	1513.3	1516.8
1490.2	5°	1493.0	1500.0	1507.7	1518.9	1531.5	1542.0	1558.1	1569.3	1573.5	1577.0
1517.5	7.5°	1521.7	1531.5	1545.5	1565.1	1583.3	1597.3	1616.9	1630.2	1643.5	1648.4
1560.9	10°	1564.4	1578.4	1598.7	1625.3	1644.9	1663.1	1683.4	1694.6	1707.9	1713.5
1612.7	12.5°	1617.6	1632.3	1658.9	1696.0	1714.2	1726.8	1733.8	1731.0	1733.8	1738.7
1675.0	15°	1678.5	1694.6	1724.7	1764.7	1777.3	1766.1	1750.7	1736.6	1734.5	1735.9
1750.7	17.5°	1750.7	1762.6	1797.6	1831.2	1822.1	1775.9	1742.2	1719.8	1708.6	1705.1
1847.3	20°	1851.5	1851.5	1880.2	1901.2	1840.3	1761.9	1709.3	1672.9	1649.8	1640.0
1978.9	22.5°	1974.0	1962.8	1981.0	1966.3	1836.8	1722.6	1649.8	1586.8	1551.8	1537.8
2163.1	25°	2129.5	2116.2	2111.3	2020.3	1811.6	1660.3	1542.0	1465.6	1434.8	1427.1
2428.5	27.5°	2364.1	2330.5	2266.7	2049.7	1765.4	1562.3	1415.9	1345.2	1327.7	1328.4
2769.5	30°	2676.4	2609.2	2453.0	2054.6	1689.7	1423.6	1287.1	1236.7	1228.3	1231.8
3055.9	32.5°	2965.6	2901.9	2643.5	2032.2	1573.5	1287.8	1171.5	1137.9	1125.3	1129.5
3274.4	35°	3192.5	3175.0	2820.0	2000.6	1430.6	1160.3	1067.9	1039.2	1014.7	1009.1
3480.3	37.5°	3406.8	3399.8	2952.3	1956.5	1289.2	1070.0	984.6	946.8	911.0	891.4
3707.9	40°	3642.1	3635.1	3039.1	1888.6	1163.8	991.6	909.6	859.9	815.8	780.1
3965.6	42.5°	3906.8	3865.4	3080.4	1791.3	1057.4	925.0	848.7	781.5	723.4	690.5
4256.9	45°	4196.0	4102.8	3079.7	1667.3	967.8	864.1	783.6	688.4	634.4	603.6
4555.9	47.5°	4502.7	4329.7	3041.9	1530.1	880.9	796.9	682.8	609.9	574.2	555.3
4880.8	50°	4819.2	4541.9	2977.5	1372.5	792.0	720.6	619.7	570.0	542.7	525.2
5202.9	52.5°	5116.8	4734.5	2899.8	1193.9	701.7	646.3	591.7	553.2	524.5	504.9
5515.3	55°	5393.4	4900.4	2789.8	1011.2	628.1	596.6	578.4	546.2	513.3	490.2
5832.5	57.5°	5639.2	5008.3	2600.1	839.6	575.6	562.3	564.4	534.3	496.5	476.9
6144.8	60°	5843.7	5087.4	2319.3	680.7	532.9	528.7	542.7	511.9	467.8	445.4
6408.8	62.5°	5966.2	5086.0	1974.7	557.4	496.5	497.9	514.0	483.9	439.1	418.1
6546.7	65°	5955.7	4961.4	1596.6	476.9	461.5	462.9	483.9	453.1	415.3	402.7
6477.4	67.5°	5744.9	4657.4	1224.8	424.4	423.0	429.3	453.8	432.1	400.5	399.1
6064.3	70°	5174.2	4026.5	882.3	382.3	383.0	392.1	424.4	418.8	392.8	395.6
5098.6	72.5°	4149.0	3069.9	592.4	338.2	338.9	353.6	396.3	408.3	385.1	422.3
3617.5	75°	2763.2	1914.5	380.9	291.3	292.0	310.9	371.8	387.9	364.1	420.9
1882.3	77.5°	1327.7	860.6	275.9	245.1	245.1	262.6	321.4	347.3	310.2	327.0
605.0	80°	458.7	323.5	217.1	197.5	193.3	205.2	271.0	301.1	267.5	246.5
197.5	82.5°	180.7	168.1	174.4	153.4	139.4	147.1	210.8	248.6	196.8	177.9
111.3	85°	103.6	109.2	123.2	101.5	80.5	90.3	154.8	178.6	148.5	130.9
36.4	87.5°	28.0	38.5	56.7	52.5	36.4	38.5	73.5	98.7	85.4	65.8
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°
1478.3
1516.1
1576.3
1649.1
1716.3
1740.1
1740.8
1710.0
1637.9
1535.7
1428.5
1330.5
1243.7
1135.1
1013.3
892.1
783.6
692.6
602.2
551.1
518.9
496.5
481.1
464.3
435.6
411.8
401.9
401.2
394.9
427.9
424.4
299.7
231.1
177.2
133.7
67.9
0.0

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