

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: P846803

Luminaire Tested: **GLAN-SB2C-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12292 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

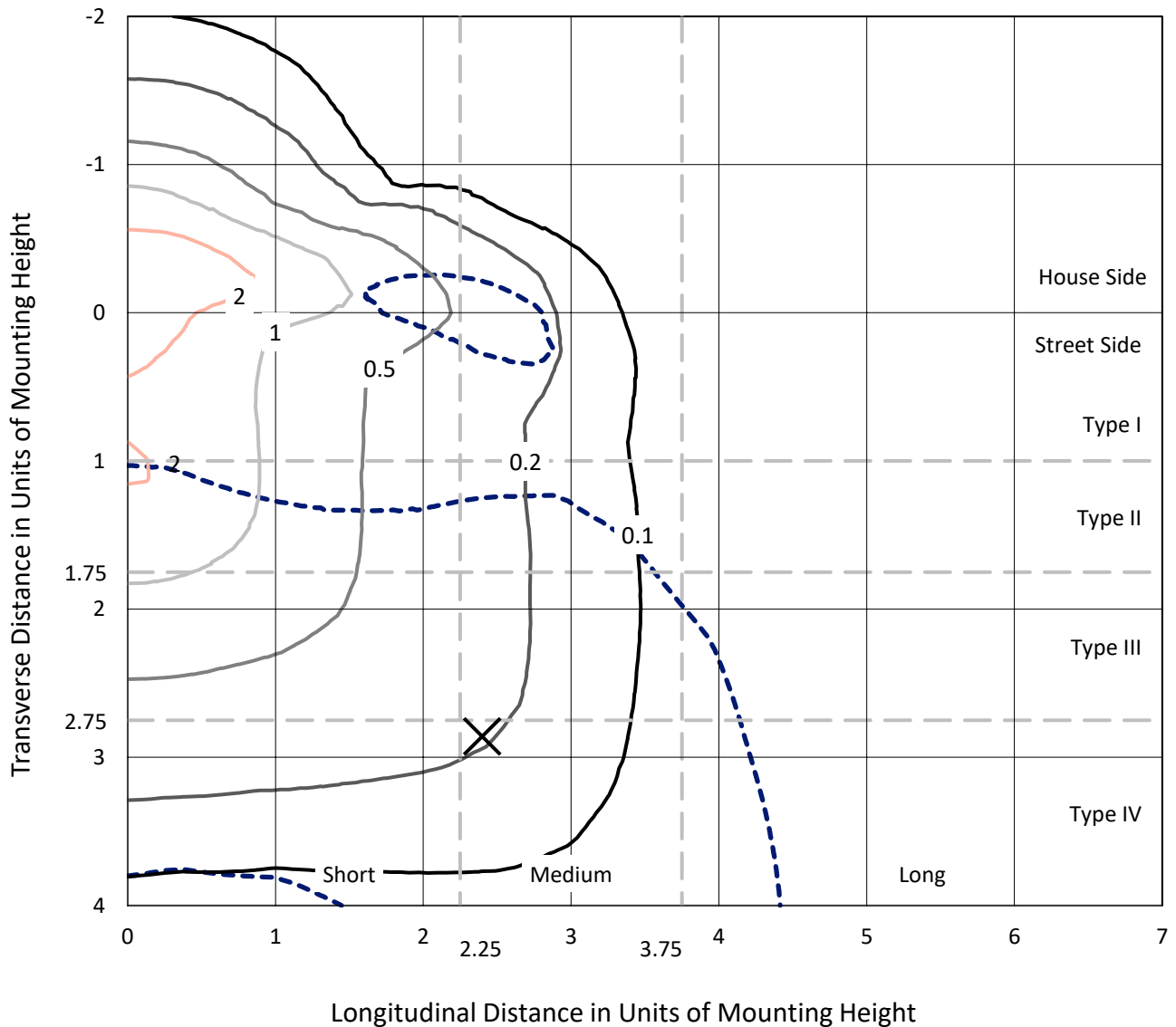
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

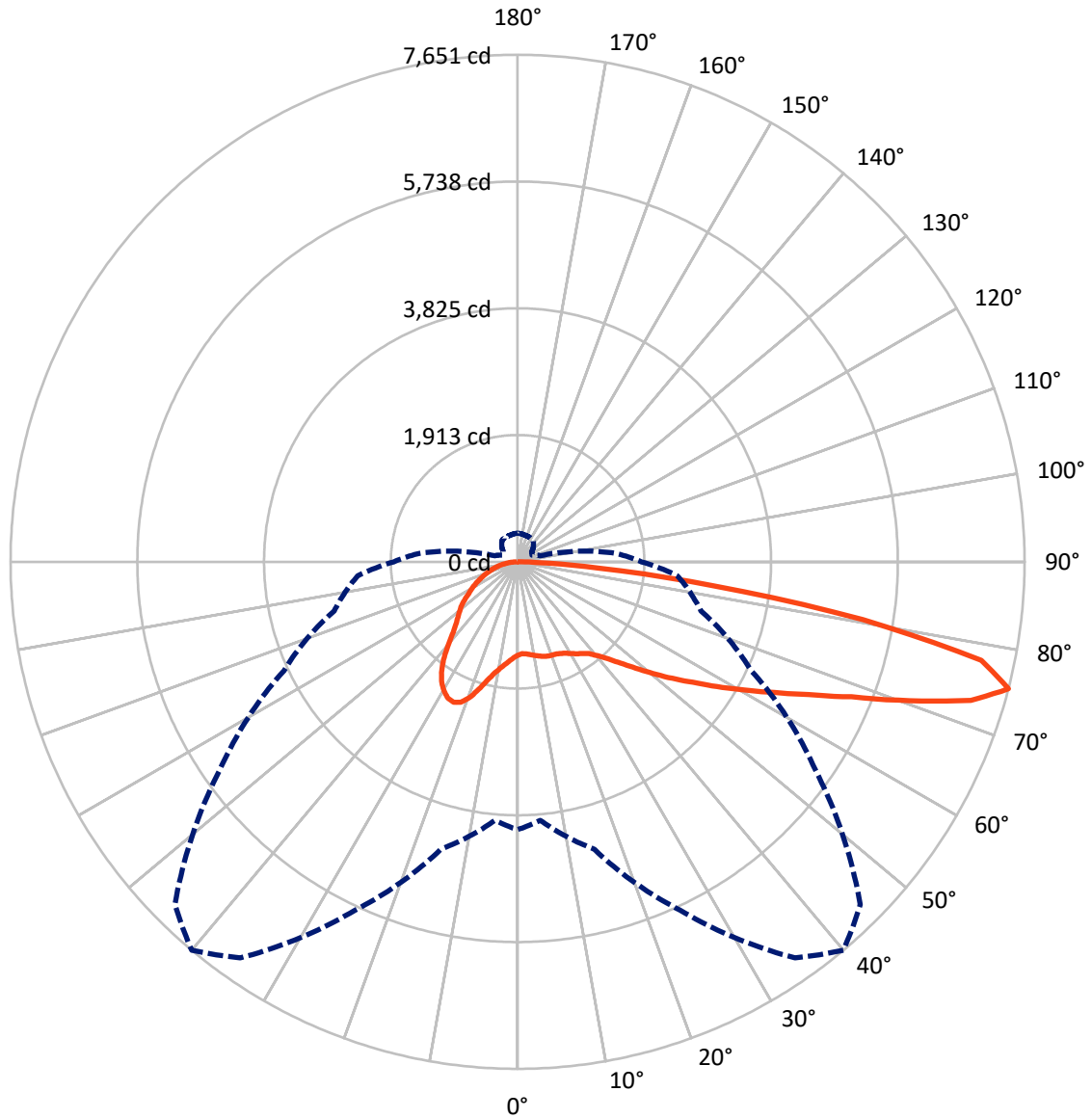
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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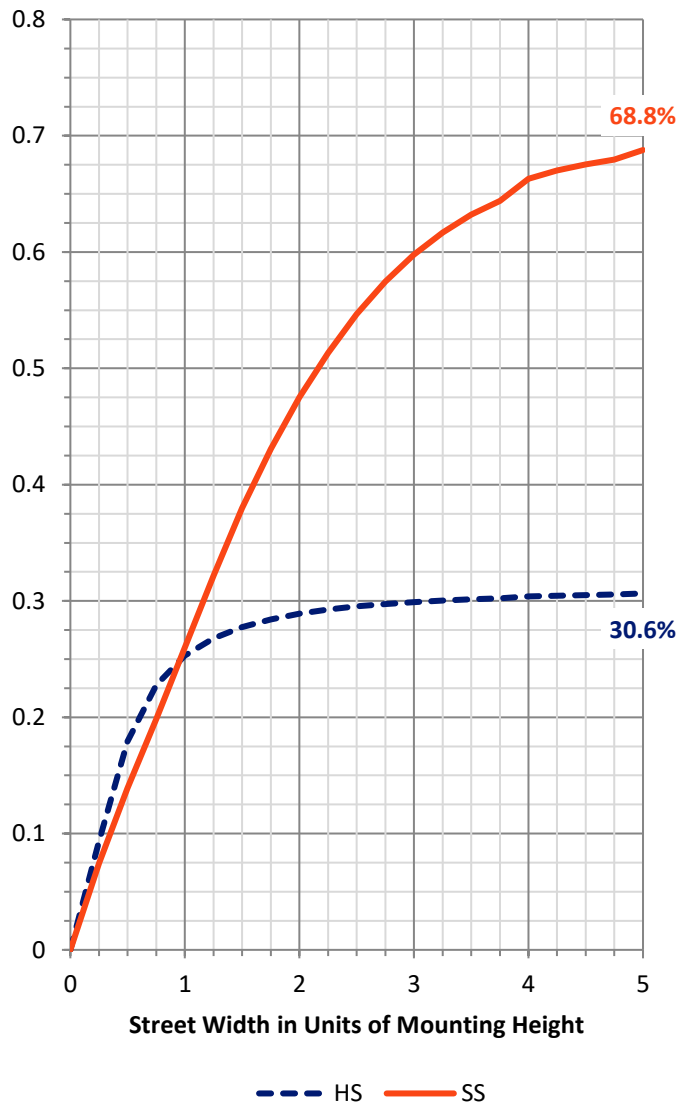
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3808.5	0.0	3808.5
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	8483.5	0.0	8483.5
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	12292.0	0.0	12292.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.3	1.1
10°-20°	471.1	3.8
20°-30°	860.1	7.0
30°-40°	1219.9	9.9
40°-50°	1647.3	13.4
50°-60°	2216.0	18.0
60°-70°	2812.6	22.9
70°-80°	2552.6	20.8
80°-90°	372.1	3.0
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°	12292.0	100.0
0°-180°	12292.0	100.0

**Coefficient of Utilization**

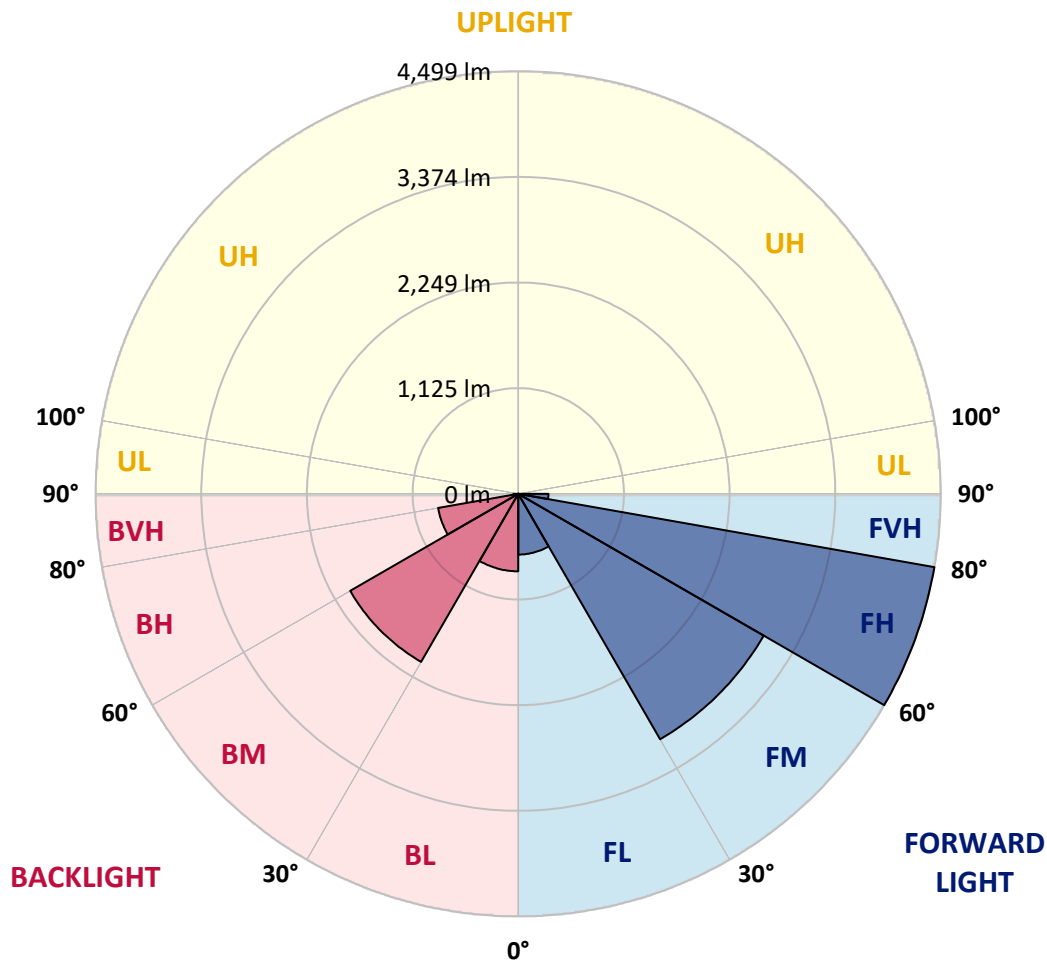


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.6	5.3			
FM (30°-60°)	3017.4	24.5			
FH (60°-80°)	4498.7	36.6			G2/5000
FVH (80°-90°)	320.9	2.6			G3/500
BL (0°-30°)	824.9	6.7	B2/1000		
BM (30°-60°)	2065.8	16.8	B2/2500		
BH (60°-80°)	866.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	51.2	0.4			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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6
2.5°	1384.1	1391.9	1390.0	1387.4	1387.4	1388.0	1387.4	1391.9	1396.5	1401.0
5°	1398.4	1406.3	1402.3	1399.1	1396.5	1395.8	1393.9	1393.2	1395.8	1401.7
7.5°	1426.5	1434.3	1428.4	1422.6	1417.3	1414.7	1412.1	1408.2	1406.3	1409.5
10°	1457.8	1465.6	1458.4	1448.0	1439.5	1436.2	1433.6	1429.7	1427.1	1429.1
12.5°	1489.1	1496.9	1487.1	1472.8	1461.7	1459.7	1456.5	1455.2	1454.5	1453.9
15°	1518.4	1524.9	1512.5	1495.6	1483.8	1480.6	1477.3	1479.3	1482.5	1486.4
17.5°	1541.2	1547.7	1529.5	1507.3	1496.2	1494.9	1493.0	1499.5	1508.6	1518.4
20°	1562.1	1568.6	1545.1	1515.1	1502.1	1502.1	1502.7	1516.4	1529.5	1543.8
22.5°	1591.4	1596.6	1567.9	1526.9	1508.0	1509.3	1514.5	1528.2	1544.5	1564.0
25°	1635.1	1639.0	1603.8	1549.0	1527.5	1531.4	1536.0	1542.5	1558.2	1581.0
27.5°	1705.5	1708.8	1662.5	1588.2	1555.6	1562.1	1568.6	1564.0	1571.2	1590.8
30°	1804.6	1806.6	1747.9	1649.4	1603.1	1606.4	1607.7	1588.8	1575.1	1590.8
32.5°	1922.0	1921.3	1851.5	1723.8	1657.3	1654.0	1642.9	1605.8	1573.8	1587.5
35°	2103.8	2096.7	2006.7	1828.1	1718.5	1698.3	1672.3	1624.7	1580.3	1584.2
37.5°	2405.0	2382.9	2258.4	1998.9	1809.8	1758.3	1719.8	1655.3	1594.7	1582.9
40°	2744.7	2716.7	2579.8	2232.9	1946.7	1863.9	1802.0	1699.0	1618.1	1588.8
42.5°	3147.6	3107.9	2960.5	2508.7	2120.1	2000.2	1907.0	1754.4	1652.7	1607.7
45°	3642.5	3589.6	3381.0	2819.7	2338.5	2178.8	2054.3	1838.5	1705.5	1644.2
47.5°	4142.5	4155.5	3858.9	3175.7	2600.6	2399.2	2238.8	1965.0	1782.4	1702.9
50°	4673.8	4683.0	4334.2	3570.1	2897.9	2648.2	2446.1	2106.5	1889.4	1786.3
52.5°	5088.5	5089.8	4765.8	3982.8	3207.6	2922.0	2669.7	2268.1	2013.2	1897.2
55°	5348.0	5344.7	5068.3	4373.3	3563.6	3209.6	2917.5	2452.0	2164.5	2027.6
57.5°	5536.4	5526.6	5276.9	4709.0	3943.0	3549.2	3197.8	2660.6	2343.1	2182.7
60°	5608.1	5602.2	5418.4	4999.2	4342.0	3924.7	3521.2	2894.0	2545.9	2365.9
62.5°	5635.5	5646.5	5557.2	5280.2	4769.0	4340.7	3876.5	3173.0	2774.1	2573.3
65°	5732.0	5752.2	5733.9	5647.9	5251.5	4827.7	4347.9	3504.9	3023.1	2795.6
67.5°	5923.0	5943.2	5951.0	6087.9	5840.8	5434.7	4935.9	3918.2	3314.5	3026.4
70°	5918.4	5912.5	6050.8	6438.0	6578.8	6275.0	5728.7	4426.7	3662.0	3218.0
72.5°	5387.1	5340.1	5666.8	6434.1	7193.0	7152.6	6696.8	5082.6	3961.9	3241.5
75°	4041.4	3916.3	4493.2	5798.5	7295.3	7650.6	7312.3	5489.4	3890.8	2864.0
77.5°	1728.3	1602.5	2282.5	4292.4	6529.3	7151.9	6747.7	4789.2	3105.9	1893.9
80°	452.5	451.8	689.8	1946.1	4440.4	5281.5	4633.4	3092.9	1774.6	676.7
82.5°	187.1	182.5	253.6	756.9	2169.7	2963.8	2418.7	1379.5	640.9	183.2
85°	69.8	69.1	123.2	261.4	765.4	1222.4	884.7	352.7	159.7	89.3
87.5°	19.6	18.9	26.7	90.6	186.5	282.9	151.3	58.0	45.0	35.2
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°
1405.6	0°	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6	1405.6
1408.2	2.5°	1410.2	1413.4	1419.3	1423.9	1429.7	1436.2	1445.4	1451.2	1457.1	1461.0
1411.5	5°	1416.0	1423.2	1438.2	1453.2	1470.8	1487.1	1506.0	1519.7	1530.8	1534.0
1423.2	7.5°	1429.1	1440.8	1466.2	1491.7	1519.7	1546.4	1573.8	1597.3	1616.2	1623.4
1444.1	10°	1451.9	1467.5	1503.4	1539.3	1576.4	1617.5	1652.7	1686.6	1713.3	1724.4
1468.8	12.5°	1480.6	1500.1	1547.1	1596.6	1648.1	1704.9	1750.5	1792.2	1825.5	1840.5
1503.4	15°	1517.7	1543.2	1603.1	1669.6	1745.3	1824.2	1882.2	1928.5	1965.6	1983.9
1539.3	17.5°	1558.2	1592.1	1667.7	1768.1	1876.3	1980.0	2047.8	2081.7	2120.1	2137.7
1572.5	20°	1597.3	1639.0	1747.2	1893.3	2037.3	2147.5	2202.3	2211.4	2214.0	2216.0
1603.8	22.5°	1637.7	1693.8	1847.0	2051.0	2205.6	2281.8	2289.7	2250.5	2195.8	2170.3
1634.4	25°	1682.0	1756.4	1977.4	2225.1	2350.3	2359.4	2299.4	2204.2	2100.6	2053.0
1659.2	27.5°	1725.1	1828.7	2133.8	2391.4	2454.6	2374.4	2245.3	2110.4	1985.2	1935.0
1676.8	30°	1768.1	1911.5	2306.6	2536.7	2502.2	2337.2	2159.9	2009.3	1883.5	1830.7
1692.5	32.5°	1811.8	2008.0	2505.4	2641.7	2493.7	2258.4	2053.6	1895.9	1785.0	1729.6
1706.2	35°	1861.3	2126.7	2693.9	2699.1	2437.0	2142.3	1913.5	1760.3	1663.8	1619.4
1722.5	37.5°	1925.9	2277.3	2860.1	2713.4	2337.9	1972.2	1739.4	1599.9	1520.3	1500.1
1746.6	40°	2006.1	2458.5	2987.2	2690.6	2191.2	1765.5	1549.0	1437.6	1392.6	1397.1
1779.2	42.5°	2110.4	2661.3	3076.6	2631.9	1987.1	1552.3	1382.1	1332.6	1354.1	1372.4
1828.1	45°	2246.0	2871.8	3132.0	2532.2	1756.4	1371.7	1283.7	1295.4	1311.7	1313.7
1907.0	47.5°	2419.4	3085.0	3168.5	2381.6	1521.0	1244.6	1221.1	1223.7	1220.5	1206.8
2025.0	50°	2635.8	3292.4	3201.1	2182.1	1320.9	1165.0	1133.7	1124.6	1079.6	1035.3
2182.1	52.5°	2882.3	3482.7	3214.8	1934.3	1165.0	1098.5	1047.7	990.3	906.2	892.5
2379.6	55°	3156.1	3658.7	3179.6	1629.9	1034.0	1013.1	936.2	867.1	858.0	846.2
2639.8	57.5°	3483.4	3848.5	3107.9	1290.2	899.7	913.4	838.4	846.2	829.9	811.7
2974.2	60°	3841.3	4044.7	2982.0	980.5	760.8	788.9	813.0	812.3	807.8	792.8
3326.9	62.5°	4163.4	4173.8	2734.3	751.0	638.9	692.4	758.2	757.6	753.7	745.2
3695.3	65°	4355.0	4154.2	2320.9	591.3	538.5	612.8	683.9	689.1	689.8	689.1
3972.3	67.5°	4321.1	3925.4	1753.7	470.7	455.7	532.0	610.2	617.4	622.6	623.9
4007.5	70°	3937.8	3422.7	1143.5	375.5	382.0	460.9	540.5	547.6	552.2	557.4
3477.5	72.5°	3069.4	2516.5	654.6	303.8	317.5	399.6	471.4	479.8	482.4	492.2
2420.0	75°	1870.4	1479.9	353.4	239.3	260.8	341.6	402.9	412.7	417.2	429.0
1188.5	77.5°	889.3	640.9	201.5	186.5	209.9	279.0	340.3	351.4	339.0	345.5
327.9	80°	300.5	238.0	127.1	142.1	160.4	217.8	272.5	283.6	257.5	256.2
108.9	82.5°	105.0	96.5	80.8	94.5	103.7	155.8	206.0	220.4	191.7	191.0
48.9	85°	41.1	39.1	45.0	51.5	61.9	95.8	135.6	142.8	118.0	95.2
14.3	87.5°	8.5	9.1	11.1	11.7	18.9	33.2	48.9	60.0	47.6	40.4
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°
1405.6
1458.4
1535.3
1624.0
1725.1
1840.5
1982.6
2137.1
2221.2
2177.5
2060.2
1940.9
1836.5
1736.8
1629.2
1514.5
1412.8
1389.3
1326.7
1217.2
1041.2
897.1
848.2
808.4
787.6
741.9
689.1
625.2
560.0
496.1
430.3
340.3
253.6
181.9
93.9
37.2
0.0

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