

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: P847063

Luminaire Tested: **GLAN-SB3A-727-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847063
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-SB3A-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11865 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

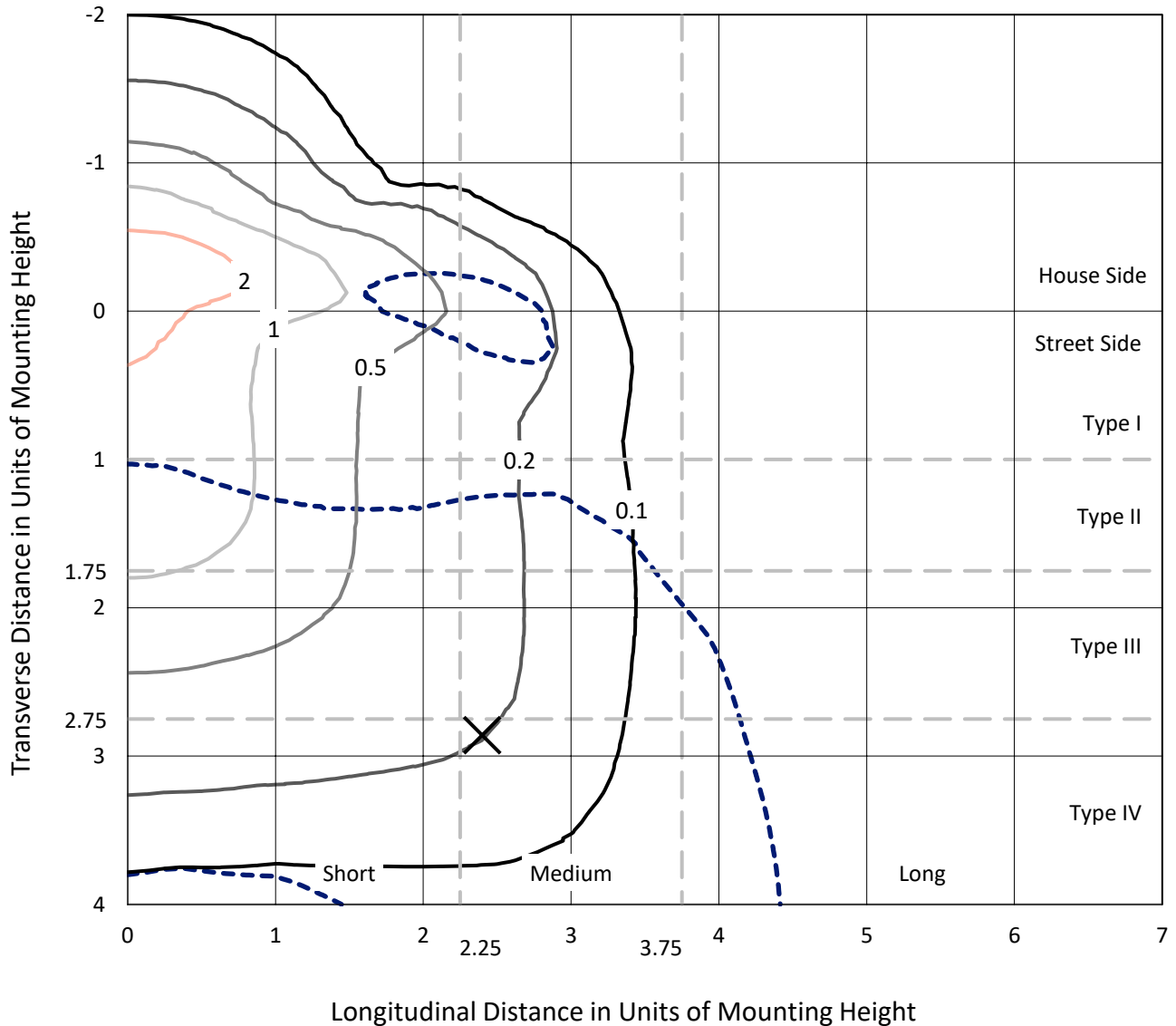
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

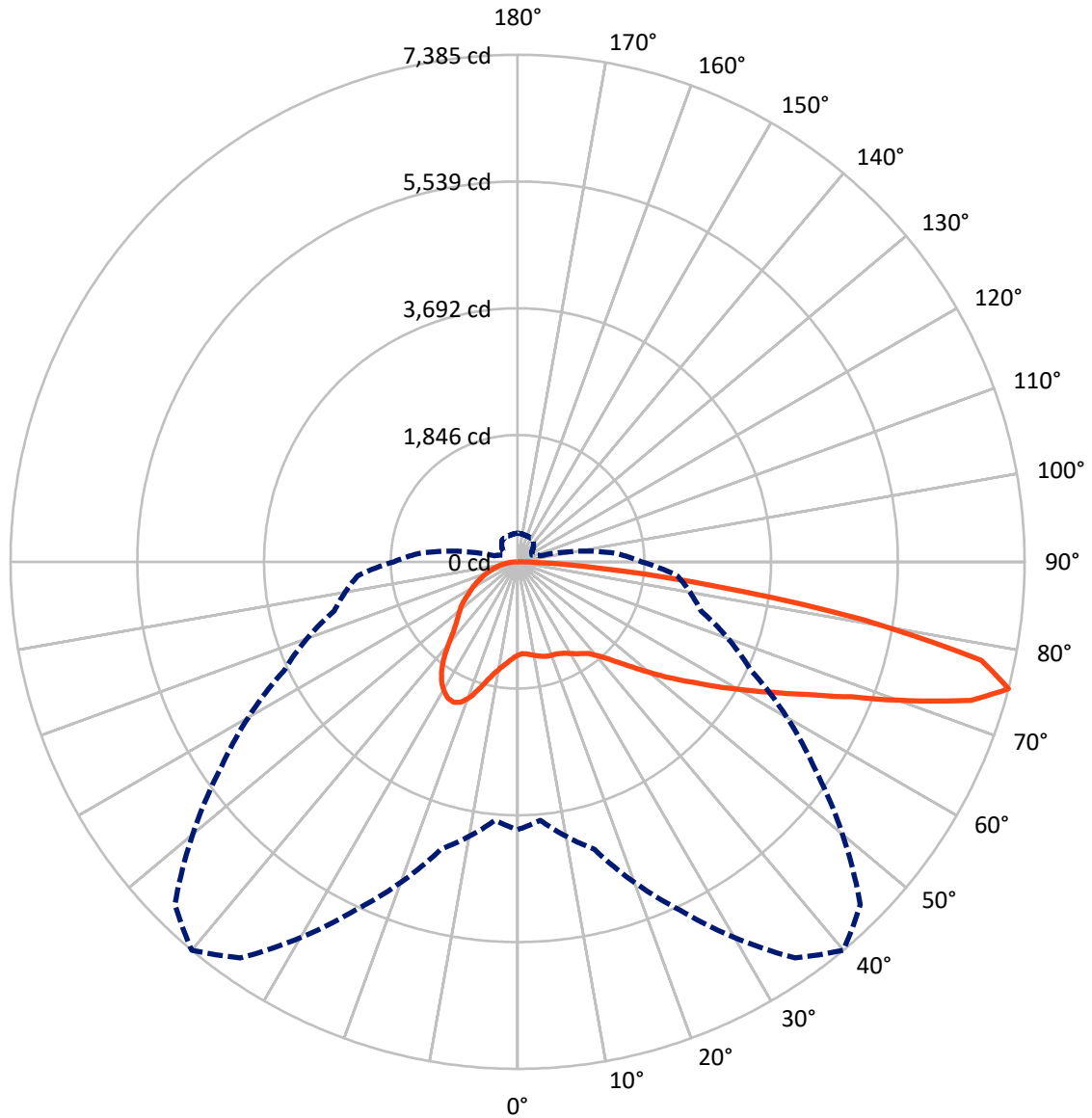
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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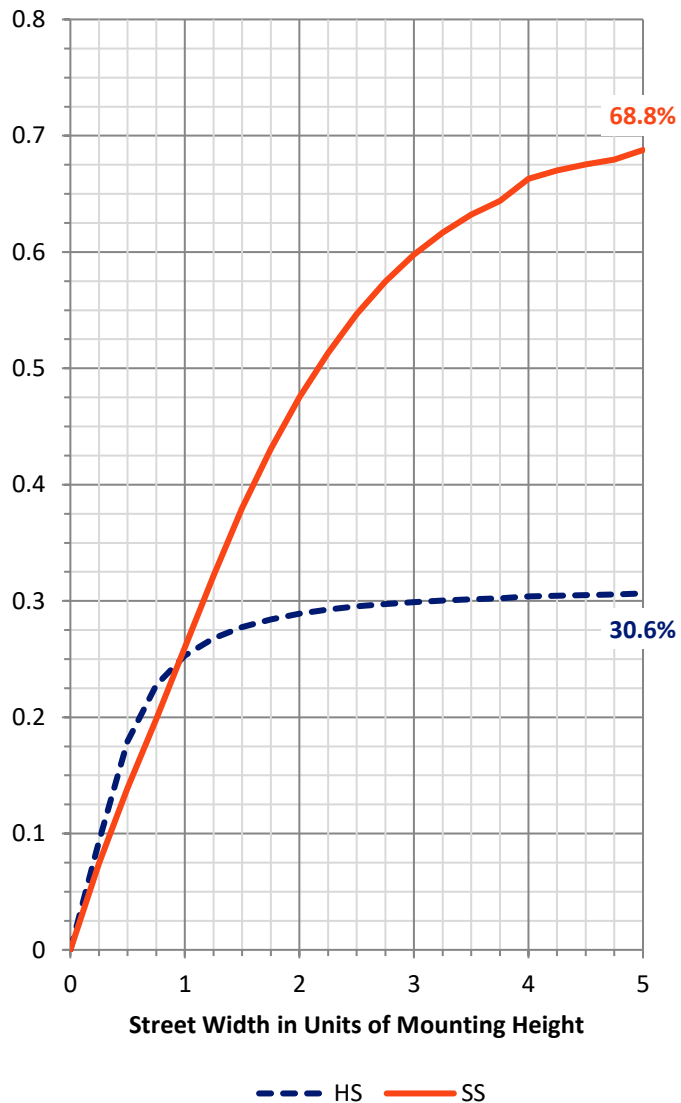
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3676.2	0.0	3676.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8188.8	0.0	8188.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	11865.0	0.0	11865.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	1.1
10°-20°	454.7	3.8
20°-30°	830.3	7.0
30°-40°	1177.5	9.9
40°-50°	1590.0	13.4
50°-60°	2139.0	18.0
60°-70°	2714.9	22.9
70°-80°	2463.9	20.8
80°-90°	359.2	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°	11865.0	100.0
0°-180°	11865.0	100.0

Coefficient of Utilization

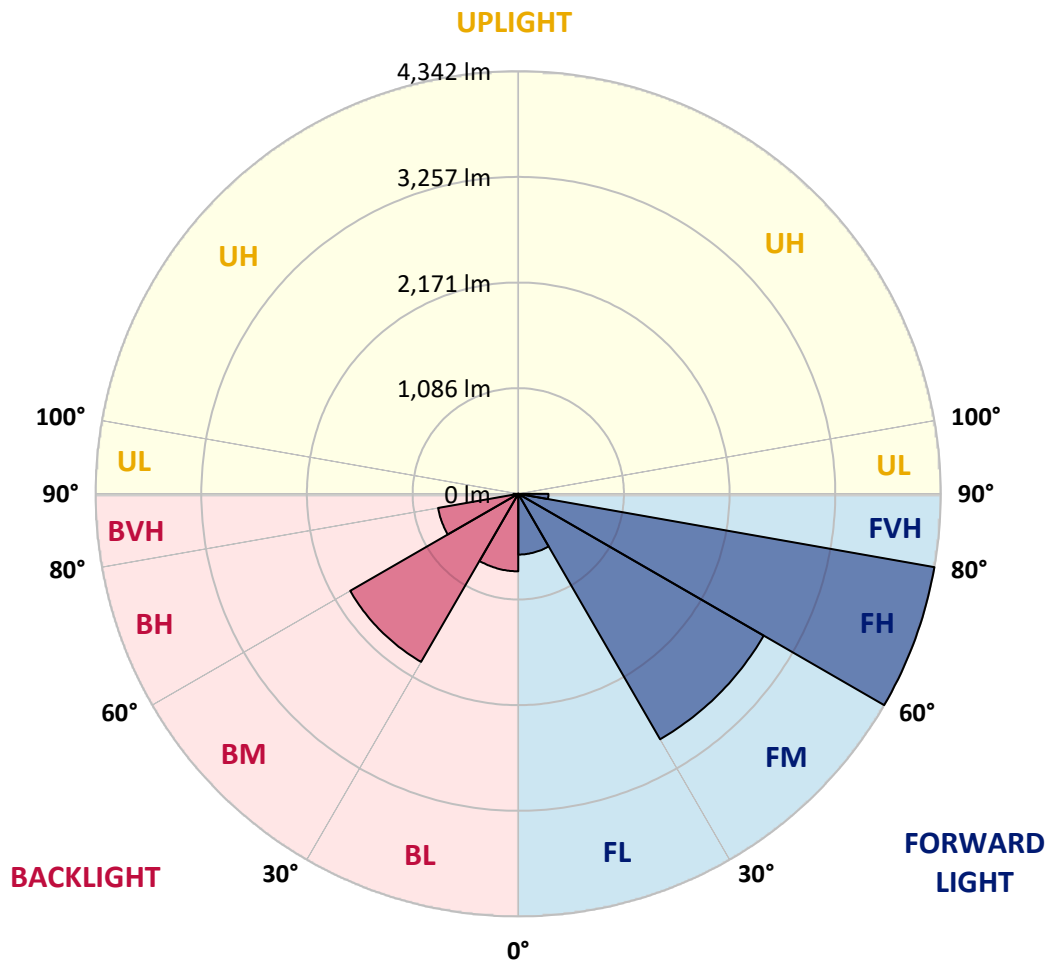


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.1	5.3			
FM (30°-60°)	2912.6	24.5			
FH (60°-80°)	4342.4	36.6			G2/5000
FVH (80°-90°)	309.7	2.6			G3/500
BL (0°-30°)	796.3	6.7	B2/1000		
BM (30°-60°)	1994.0	16.8	B2/2500		
BH (60°-80°)	836.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	49.4	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°	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8
2.5°	1336.0	1343.6	1341.7	1339.2	1339.2	1339.8	1339.2	1343.6	1348.0	1352.4
5°	1349.9	1357.4	1353.6	1350.5	1348.0	1347.3	1345.5	1344.8	1347.3	1353.0
7.5°	1376.9	1384.5	1378.8	1373.1	1368.1	1365.6	1363.1	1359.3	1357.4	1360.6
10°	1407.1	1414.7	1407.8	1397.7	1389.5	1386.4	1383.8	1380.1	1377.5	1379.4
12.5°	1437.3	1444.9	1435.4	1421.6	1410.9	1409.0	1405.9	1404.6	1404.0	1403.3
15°	1465.6	1471.9	1460.0	1443.6	1432.3	1429.1	1426.0	1427.9	1431.0	1434.8
17.5°	1487.7	1494.0	1476.3	1454.9	1444.3	1443.0	1441.1	1447.4	1456.2	1465.6
20°	1507.8	1514.1	1491.4	1462.5	1449.9	1449.9	1450.5	1463.8	1476.3	1490.2
22.5°	1536.1	1541.2	1513.5	1473.8	1455.6	1456.8	1461.9	1475.1	1490.8	1509.7
25°	1578.3	1582.1	1548.1	1495.2	1474.5	1478.2	1482.6	1488.9	1504.0	1526.1
27.5°	1646.3	1649.4	1604.7	1533.0	1501.5	1507.8	1514.1	1509.7	1516.6	1535.5
30°	1741.9	1743.8	1687.2	1592.1	1547.5	1550.6	1551.9	1533.6	1520.4	1535.5
32.5°	1855.2	1854.6	1787.2	1663.9	1599.7	1596.5	1585.8	1550.0	1519.1	1532.4
35°	2030.8	2023.8	1937.0	1764.6	1658.8	1639.3	1614.2	1568.2	1525.4	1529.2
37.5°	2321.5	2300.1	2179.9	1929.4	1746.9	1697.2	1660.1	1597.8	1539.3	1527.9
40°	2649.4	2622.3	2490.2	2155.4	1879.1	1799.2	1739.4	1640.0	1561.9	1533.6
42.5°	3038.3	2999.9	2857.7	2421.6	2046.5	1930.7	1840.7	1693.5	1595.3	1551.9
45°	3515.9	3464.9	3263.6	2721.7	2257.3	2103.1	1982.9	1774.6	1646.3	1587.1
47.5°	3998.6	4011.2	3724.8	3065.3	2510.3	2315.8	2161.0	1896.7	1720.5	1643.7
50°	4511.5	4520.3	4183.6	3446.1	2797.3	2556.2	2361.1	2033.3	1823.7	1724.3
52.5°	4911.7	4913.0	4600.2	3844.4	3096.2	2820.5	2577.0	2189.3	1943.3	1831.3
55°	5162.2	5159.0	4892.2	4221.4	3439.8	3098.1	2816.1	2366.8	2089.3	1957.1
57.5°	5344.0	5334.6	5093.6	4545.5	3806.0	3425.9	3086.7	2568.2	2261.7	2106.9
60°	5413.3	5407.6	5230.1	4825.5	4191.2	3788.4	3398.9	2793.5	2457.4	2283.7
62.5°	5439.7	5450.4	5364.2	5096.7	4603.4	4189.9	3741.8	3062.8	2677.7	2483.9
65°	5532.8	5552.3	5534.7	5451.7	5069.0	4660.0	4196.8	3383.1	2918.1	2698.5
67.5°	5717.2	5736.7	5744.3	5876.4	5637.9	5245.9	4764.5	3782.1	3199.4	2921.2
70°	5712.8	5707.2	5840.6	6214.4	6350.3	6057.0	5529.7	4273.0	3534.8	3106.2
72.5°	5199.9	5154.6	5469.9	6210.6	6943.1	6904.1	6464.2	4906.1	3824.3	3128.9
75°	3901.1	3780.2	4337.2	5597.0	7041.9	7384.9	7058.3	5298.7	3755.7	2764.5
77.5°	1668.3	1546.8	2203.2	4143.3	6302.5	6903.5	6513.3	4622.9	2998.0	1828.1
80°	436.7	436.1	665.8	1878.5	4286.2	5098.0	4472.5	2985.4	1713.0	653.2
82.5°	180.6	176.2	244.8	730.6	2094.3	2860.8	2334.7	1331.6	618.6	176.8
85°	67.3	66.7	118.9	252.4	738.8	1179.9	854.0	340.5	154.2	86.2
87.5°	18.9	18.2	25.8	87.5	180.0	273.1	146.0	56.0	43.4	34.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1356.8	0°	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8	1356.8
1359.3	2.5°	1361.2	1364.3	1370.0	1374.4	1380.1	1386.4	1395.2	1400.8	1406.5	1410.3
1362.4	5°	1366.8	1373.8	1388.2	1402.7	1419.7	1435.4	1453.7	1466.9	1477.6	1480.8
1373.8	7.5°	1379.4	1390.8	1415.3	1439.8	1466.9	1492.7	1519.1	1541.8	1560.0	1567.0
1393.9	10°	1401.5	1416.6	1451.2	1485.8	1521.7	1561.3	1595.3	1628.0	1653.8	1664.5
1417.8	12.5°	1429.1	1448.0	1493.3	1541.2	1590.9	1645.6	1689.7	1730.0	1762.1	1776.5
1451.2	15°	1465.0	1489.6	1547.5	1611.6	1684.6	1760.8	1816.8	1861.5	1897.4	1915.0
1485.8	17.5°	1504.0	1536.8	1609.8	1706.7	1811.1	1911.2	1976.6	2009.4	2046.5	2063.5
1517.9	20°	1541.8	1582.1	1686.5	1827.5	1966.6	2072.9	2125.8	2134.6	2137.1	2139.0
1548.1	22.5°	1580.8	1634.9	1782.8	1979.8	2128.9	2202.6	2210.1	2172.4	2119.5	2095.0
1577.7	25°	1623.6	1695.3	1908.7	2147.8	2268.6	2277.4	2219.6	2127.7	2027.6	1981.7
1601.6	27.5°	1665.1	1765.2	2059.7	2308.3	2369.3	2291.9	2167.3	2037.1	1916.2	1867.8
1618.6	30°	1706.7	1845.1	2226.5	2448.6	2415.3	2256.1	2084.9	1939.5	1818.1	1767.1
1633.7	32.5°	1748.8	1938.3	2418.4	2549.9	2407.1	2179.9	1982.3	1830.0	1723.0	1669.5
1646.9	35°	1796.7	2052.8	2600.3	2605.3	2352.3	2067.9	1847.0	1699.1	1606.0	1563.2
1662.6	37.5°	1859.0	2198.2	2760.8	2619.2	2256.7	1903.6	1679.0	1544.3	1467.5	1448.0
1685.9	40°	1936.4	2373.1	2883.5	2597.1	2115.1	1704.2	1495.2	1387.6	1344.2	1348.6
1717.4	42.5°	2037.1	2568.8	2969.7	2540.5	1918.1	1498.4	1334.1	1286.3	1307.1	1324.7
1764.6	45°	2168.0	2772.1	3023.2	2444.2	1695.3	1324.1	1239.1	1250.4	1266.2	1268.0
1840.7	47.5°	2335.3	2977.9	3058.4	2298.8	1468.2	1201.3	1178.7	1181.2	1178.1	1164.8
1954.6	50°	2544.3	3178.0	3089.9	2106.3	1275.0	1124.6	1094.4	1085.5	1042.1	999.3
2106.3	52.5°	2782.2	3361.7	3103.1	1867.1	1124.6	1060.4	1011.3	955.9	874.7	861.5
2297.0	55°	3046.5	3531.7	3069.1	1573.3	998.1	977.9	903.7	837.0	828.2	816.8
2548.1	57.5°	3362.4	3714.8	2999.9	1245.4	868.4	881.7	809.3	816.8	801.1	783.5
2870.9	60°	3707.9	3904.2	2878.4	946.5	734.4	761.5	784.7	784.1	779.7	765.2
3211.3	62.5°	4018.7	4028.8	2639.3	725.0	616.7	668.3	731.9	731.3	727.5	719.3
3566.9	65°	4203.7	4009.9	2240.3	570.8	519.8	591.5	660.1	665.2	665.8	665.2
3834.3	67.5°	4171.0	3789.0	1692.8	454.4	439.9	513.5	589.0	596.0	601.0	602.2
3868.3	70°	3801.0	3303.8	1103.8	362.5	368.8	444.9	521.7	528.6	533.0	538.1
3356.7	72.5°	2962.8	2429.1	631.8	293.3	306.5	385.8	455.0	463.2	465.7	475.1
2336.0	75°	1805.5	1428.5	341.1	231.0	251.7	329.8	388.9	398.3	402.8	414.1
1147.2	77.5°	858.4	618.6	194.5	180.0	202.6	269.3	328.5	339.2	327.2	333.5
316.5	80°	290.1	229.7	122.7	137.2	154.8	210.2	263.0	273.7	248.6	247.3
105.1	82.5°	101.3	93.1	78.0	91.2	100.1	150.4	198.9	212.7	185.0	184.4
47.2	85°	39.6	37.8	43.4	49.7	59.8	92.5	130.9	137.8	113.9	91.9
13.8	87.5°	8.2	8.8	10.7	11.3	18.2	32.1	47.2	57.9	45.9	39.0
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°
1356.8
1407.8
1482.0
1567.6
1665.1
1776.5
1913.7
2062.9
2144.0
2101.9
1988.6
1873.4
1772.7
1676.5
1572.6
1461.9
1363.7
1341.0
1280.6
1174.9
1005.0
865.9
818.7
780.3
760.2
716.1
665.2
603.5
540.6
478.9
415.3
328.5
244.8
175.6
90.6
35.9
0.0

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