

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: P852483

Luminaire Tested: **GLAN-SB4A-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852483
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-SB4A-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11988 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

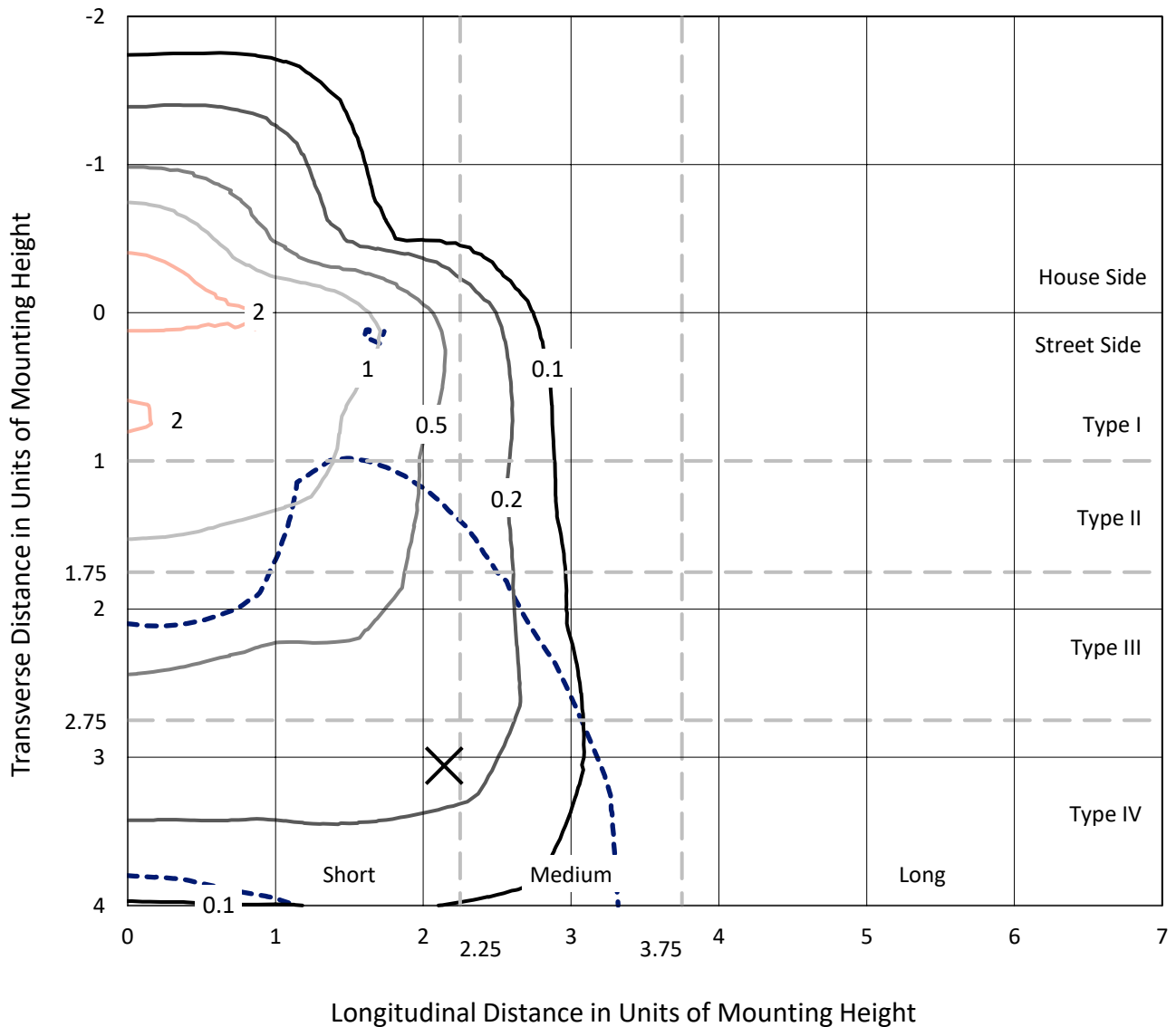
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

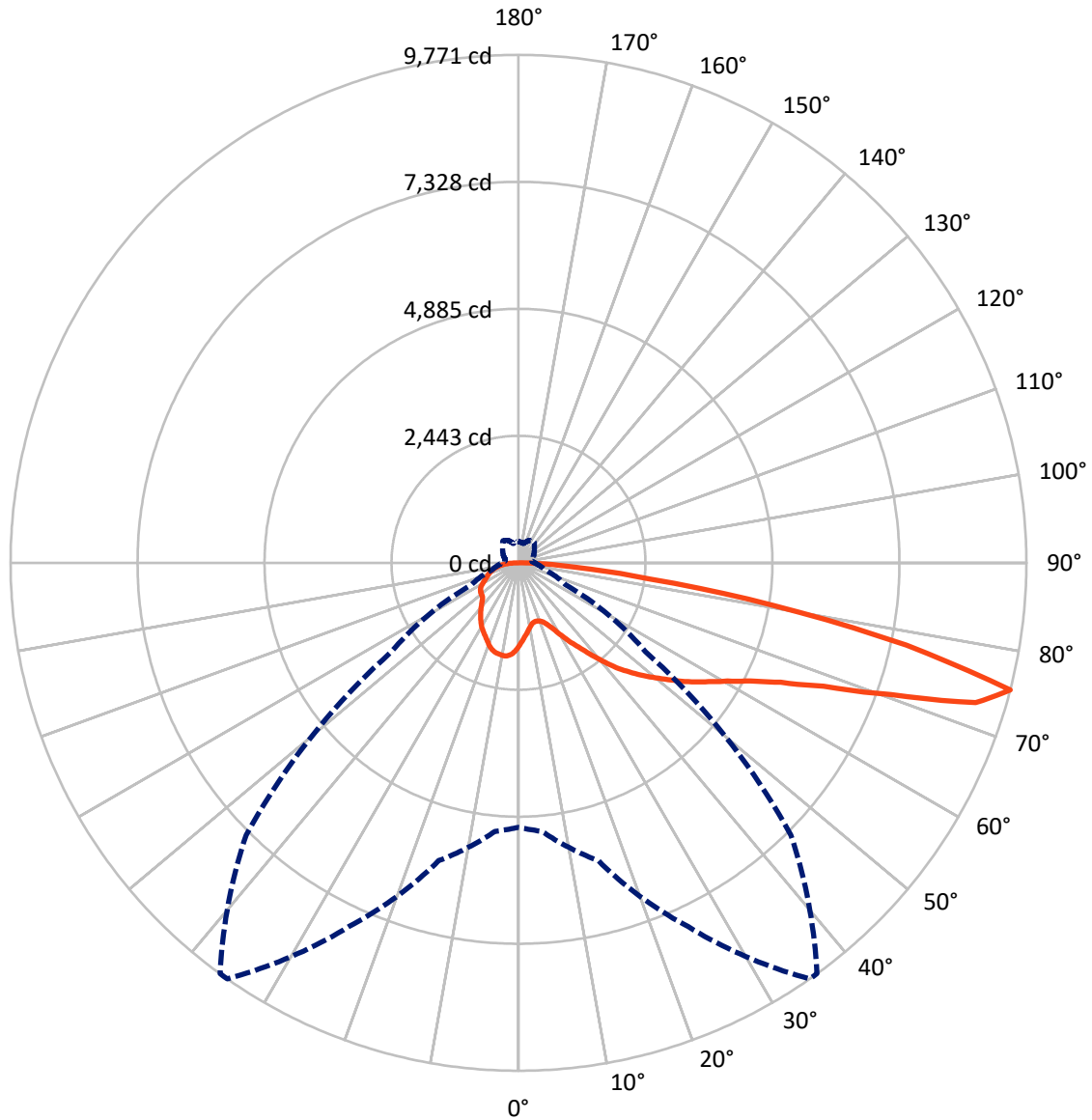
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - 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	2852.8	0.0	2852.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9135.2	0.0	9135.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	11988.0	0.0	11988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.2	1.3
10°-20°	436.3	3.6
20°-30°	732.6	6.1
30°-40°	1138.6	9.5
40°-50°	1690.0	14.1
50°-60°	2333.1	19.5
60°-70°	2830.6	23.6
70°-80°	2339.2	19.5
80°-90°	336.5	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°	11988.0	100.0
0°-180°	11988.0	100.0

Coefficient of Utilization



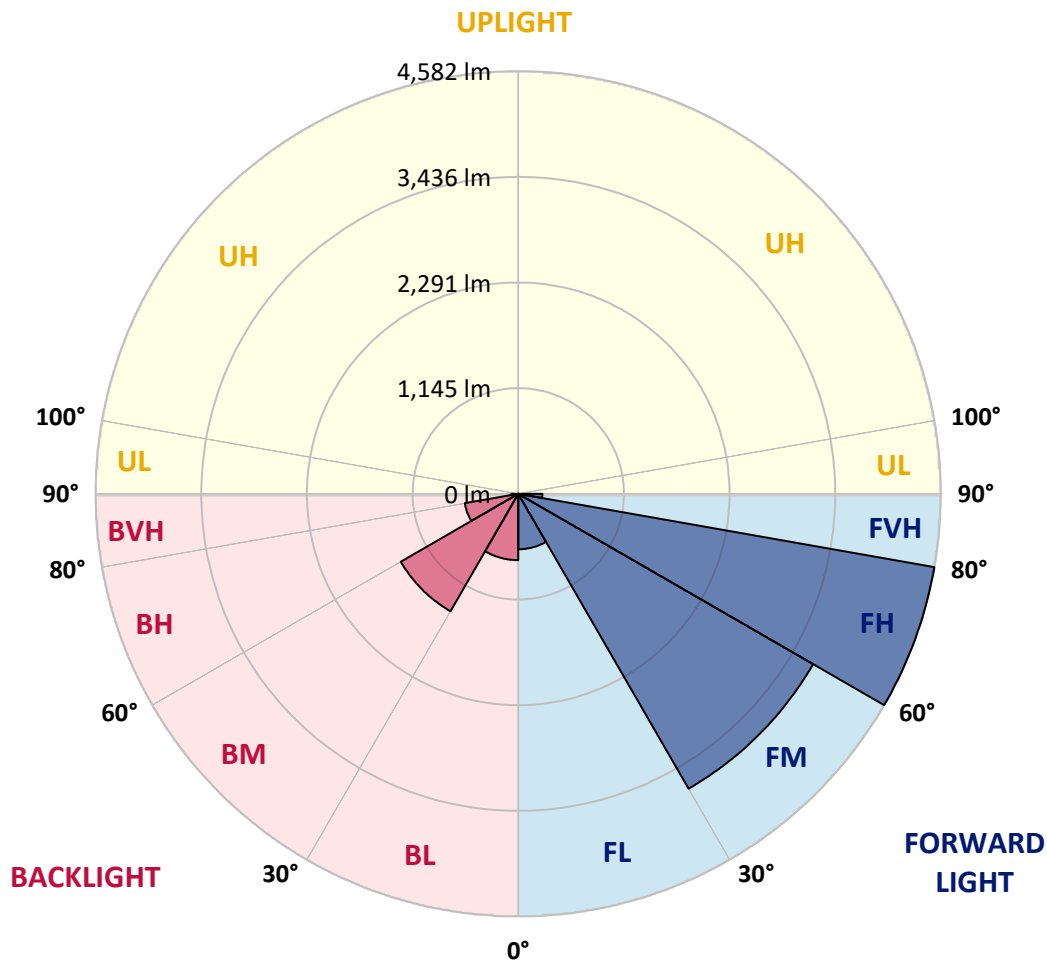
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.2	5.0			
FM (30°-60°)	3691.7	30.8			
FH (60°-80°)	4581.6	38.2			G2/5000
FVH (80°-90°)	260.7	2.2			G3/500
BL (0°-30°)	719.0	6.0	B2/1000		
BM (30°-60°)	1470.0	12.3	B2/2500		
BH (60°-80°)	588.2	4.9	B2/1000		G2/1000
BVH (80°-90°)	75.8	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°	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5
2.5°	1473.1	1482.1	1486.0	1484.1	1493.8	1492.5	1506.1	1523.0	1546.3	1569.0
5°	1359.6	1369.4	1377.8	1385.6	1404.4	1410.2	1431.6	1464.0	1506.8	1550.2
7.5°	1254.0	1262.4	1275.4	1289.7	1321.4	1327.2	1362.9	1413.4	1473.1	1536.6
10°	1167.8	1176.2	1189.8	1206.1	1245.6	1252.7	1298.1	1365.5	1443.2	1523.6
12.5°	1130.9	1133.5	1141.2	1157.4	1191.8	1196.3	1246.2	1323.4	1414.1	1513.9
15°	1128.9	1134.1	1134.8	1143.2	1171.7	1173.6	1219.7	1296.1	1395.9	1511.9
17.5°	1148.4	1152.3	1146.4	1151.6	1175.6	1178.8	1215.1	1283.2	1390.1	1520.4
20°	1200.2	1203.5	1186.0	1178.8	1196.3	1198.9	1234.6	1291.6	1395.9	1537.9
22.5°	1310.4	1312.3	1269.6	1240.4	1241.7	1243.0	1274.1	1325.9	1418.6	1569.6
25°	1482.1	1480.8	1412.8	1356.4	1324.0	1316.9	1337.6	1381.7	1456.9	1611.7
27.5°	1683.0	1673.3	1605.3	1521.0	1450.4	1440.0	1435.5	1454.3	1511.3	1667.5
30°	1909.8	1900.8	1827.5	1717.4	1619.5	1602.7	1559.9	1550.2	1592.3	1743.3
32.5°	2158.7	2152.9	2065.4	1931.9	1801.0	1781.5	1709.6	1683.7	1716.7	1858.0
35°	2367.4	2362.2	2289.6	2152.2	1992.2	1968.2	1894.9	1865.8	1882.6	2005.1
37.5°	2556.0	2553.4	2491.2	2382.9	2217.7	2188.5	2106.2	2096.5	2093.3	2198.9
40°	2730.9	2724.5	2659.7	2602.6	2480.1	2453.6	2381.0	2372.6	2347.9	2437.4
42.5°	2924.7	2907.9	2813.9	2787.3	2754.3	2732.2	2688.8	2690.1	2635.7	2706.3
45°	3082.8	3073.1	2976.6	2961.0	2996.7	2987.6	3025.2	3034.9	2929.3	2988.2
47.5°	3252.6	3243.6	3161.9	3150.9	3247.5	3250.0	3382.9	3386.1	3215.7	3281.2
50°	3462.0	3449.0	3368.0	3381.6	3489.8	3499.6	3742.6	3720.5	3479.5	3578.6
52.5°	3600.0	3607.8	3590.3	3612.3	3760.1	3769.2	4096.4	4040.0	3740.6	3872.2
55°	3701.8	3717.3	3771.7	3822.3	4045.2	4054.3	4430.2	4344.0	3957.1	4144.4
57.5°	3832.7	3810.6	3912.4	4010.9	4316.1	4340.1	4754.9	4636.9	4148.9	4379.0
60°	4020.6	4005.0	4084.1	4229.9	4619.4	4657.6	5098.3	4900.7	4289.5	4565.0
62.5°	4401.7	4362.8	4375.1	4504.1	5001.8	5052.3	5485.9	5130.7	4359.5	4637.6
65°	4971.3	4904.6	4842.3	4931.8	5540.3	5590.2	5923.3	5311.5	4333.6	4496.9
67.5°	5688.7	5622.6	5546.1	5630.4	6333.5	6373.1	6463.2	5413.3	4129.5	3955.1
70°	6280.4	6255.8	6347.2	6693.9	7600.5	7601.8	7155.3	5329.0	3570.2	2804.2
72.5°	6202.0	6187.1	6668.6	7740.5	9197.3	9163.0	7810.5	4691.3	2405.0	1265.0
75°	5088.0	5184.5	5930.4	7721.7	9770.9	9766.4	7409.3	2982.4	994.8	524.3
77.5°	2728.4	2881.3	3850.2	5701.0	7627.7	7742.4	5209.2	1043.4	427.1	335.7
80°	889.8	1023.3	1534.6	2902.7	4956.4	4935.0	2232.6	409.6	292.3	237.8
82.5°	377.8	393.4	685.7	1370.7	2543.7	2504.1	710.9	235.2	205.4	162.7
85°	147.8	165.3	302.6	633.8	1101.7	1077.7	256.6	116.7	131.6	106.3
87.5°	48.6	59.0	108.2	217.1	342.8	330.5	62.9	40.2	57.0	48.6
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°
1597.5	0°	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5	1597.5
1602.0	2.5°	1611.1	1621.5	1633.8	1651.9	1667.5	1680.4	1694.0	1702.5	1705.7	1715.4
1604.6	5°	1622.8	1645.4	1675.9	1705.7	1734.9	1752.4	1767.9	1775.7	1782.8	1788.0
1611.7	7.5°	1642.2	1671.4	1719.3	1758.2	1782.8	1797.1	1807.5	1804.9	1807.5	1808.8
1619.5	10°	1659.0	1699.9	1756.9	1793.8	1812.6	1813.3	1810.7	1801.6	1797.1	1797.7
1631.2	12.5°	1679.1	1724.5	1786.1	1817.2	1822.4	1808.1	1797.1	1781.5	1775.7	1773.1
1648.7	15°	1706.4	1758.2	1817.8	1829.5	1816.5	1798.4	1779.6	1754.3	1741.4	1731.0
1678.5	17.5°	1739.4	1796.4	1842.5	1834.0	1806.2	1776.3	1745.9	1707.7	1681.1	1670.1
1719.3	20°	1785.4	1836.6	1861.2	1824.3	1782.2	1736.8	1685.0	1638.3	1613.7	1602.7
1771.2	22.5°	1841.2	1890.4	1879.4	1807.5	1747.8	1675.2	1610.4	1576.1	1563.8	1556.0
1837.9	25°	1907.9	1950.0	1892.4	1782.8	1691.5	1593.6	1543.7	1532.7	1526.8	1521.0
1919.6	27.5°	1994.7	2017.4	1902.1	1746.5	1603.3	1506.8	1488.6	1490.6	1488.6	1478.9
2033.0	30°	2109.5	2104.9	1911.1	1687.6	1502.2	1428.3	1429.6	1438.1	1439.4	1432.9
2191.1	32.5°	2260.5	2214.4	1915.7	1611.1	1405.7	1359.6	1360.9	1370.0	1376.5	1365.5
2397.8	35°	2443.2	2342.1	1908.6	1515.2	1331.1	1294.2	1284.5	1287.1	1289.0	1278.6
2648.6	37.5°	2656.4	2485.3	1876.8	1408.9	1269.6	1230.0	1209.3	1191.8	1181.4	1171.7
2932.5	40°	2890.4	2641.5	1818.5	1305.2	1200.9	1162.0	1130.9	1097.8	1062.8	1049.9
3233.2	42.5°	3135.3	2802.2	1747.8	1206.1	1121.8	1090.0	1057.0	1009.0	956.5	930.0
3545.6	45°	3389.4	2966.8	1678.5	1108.2	1040.8	1027.2	988.9	931.3	874.2	840.5
3858.6	47.5°	3638.2	3122.4	1576.7	1009.7	965.0	979.9	950.1	896.9	833.4	780.3
4169.0	50°	3876.1	3268.2	1410.2	909.9	903.4	965.6	937.1	860.6	788.0	720.0
4473.6	52.5°	4112.0	3386.1	1197.0	819.2	870.4	961.7	920.3	836.0	747.2	675.9
4760.0	55°	4312.2	3447.1	991.5	741.4	822.4	928.7	900.2	806.8	689.5	613.7
4956.4	57.5°	4426.3	3397.8	820.5	664.9	756.3	874.2	865.8	744.6	620.8	562.5
4994.6	60°	4377.0	3198.2	680.5	598.2	693.4	815.3	806.2	683.1	568.4	513.3
4789.9	62.5°	4105.5	2817.8	569.6	539.8	636.4	755.0	746.6	635.8	528.2	475.0
4246.1	65°	3558.5	2292.2	483.5	491.2	578.7	682.4	694.7	596.2	496.4	444.6
3285.0	67.5°	2714.1	1660.3	416.1	449.1	522.3	611.1	646.8	567.7	469.8	420.6
1900.8	70°	1546.9	942.9	359.0	408.3	472.4	545.0	609.8	545.0	441.3	400.5
712.2	72.5°	586.5	432.9	310.4	367.5	424.5	489.3	569.0	509.4	408.3	377.8
368.1	75°	313.0	263.8	261.2	319.5	369.4	434.9	517.8	474.4	383.7	399.2
254.7	77.5°	213.2	186.6	218.4	273.5	309.1	374.6	463.4	421.2	332.5	331.2
176.3	80°	147.8	132.2	177.6	220.3	239.1	315.0	404.4	361.6	270.9	252.7
108.9	82.5°	88.8	86.2	132.9	164.6	169.1	243.0	335.0	303.3	221.6	193.1
64.8	85°	48.6	51.2	84.9	96.6	98.5	169.8	262.5	234.6	170.4	143.2
23.3	87.5°	13.6	17.5	31.1	38.2	47.3	88.1	156.2	139.3	85.5	59.6
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°
1597.5
1714.8
1789.3
1810.7
1799.0
1771.8
1734.2
1670.7
1601.4
1557.3
1521.0
1480.8
1436.1
1370.7
1285.8
1178.2
1055.7
933.2
837.9
774.4
714.2
668.2
607.2
554.7
505.5
466.6
436.1
412.8
395.3
372.6
412.2
305.2
241.7
194.4
144.5
59.6
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