

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: P847853

Luminaire Tested: **GLAN-SB4A-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847853
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-SB4A-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 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: 11476 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

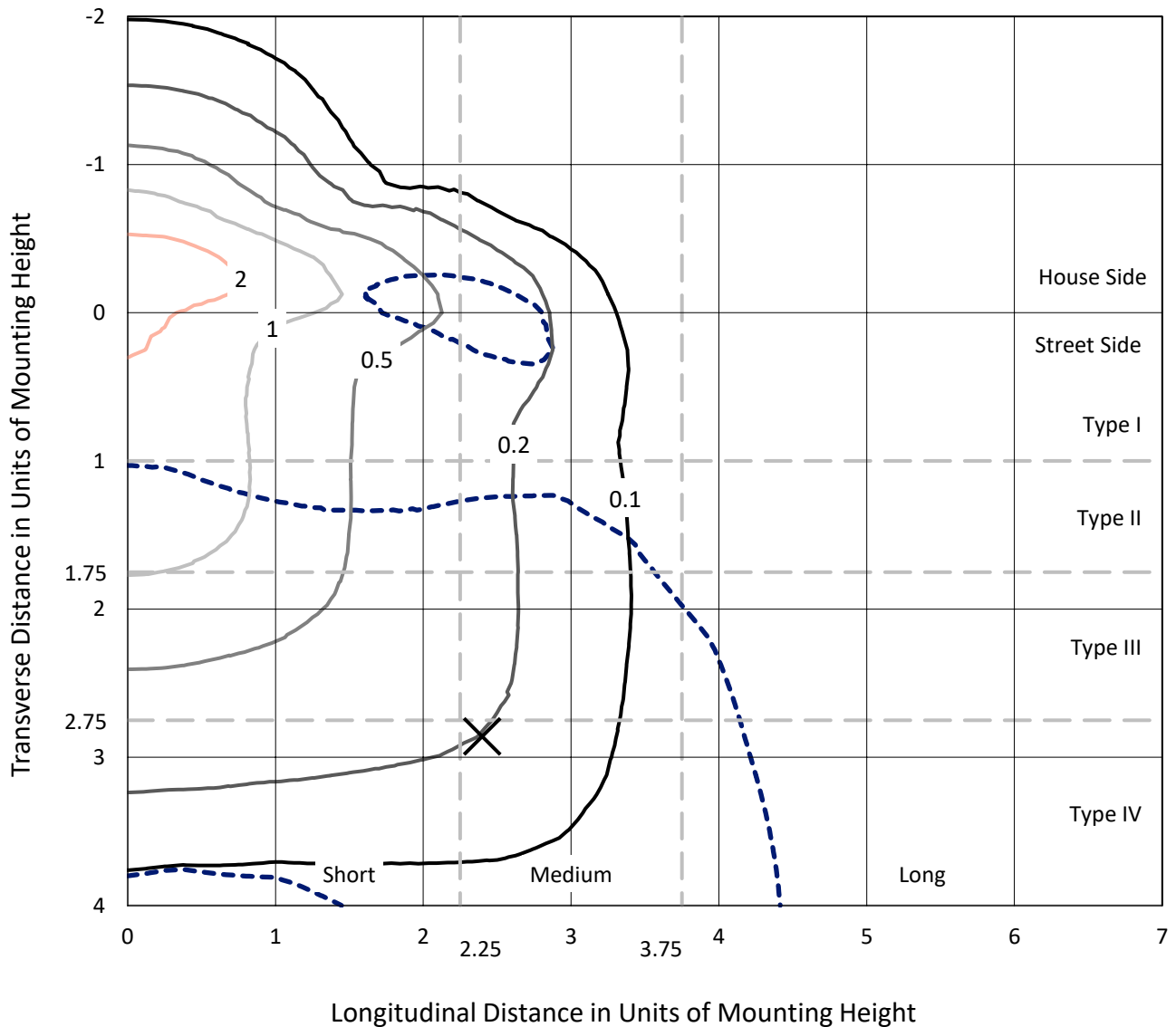
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

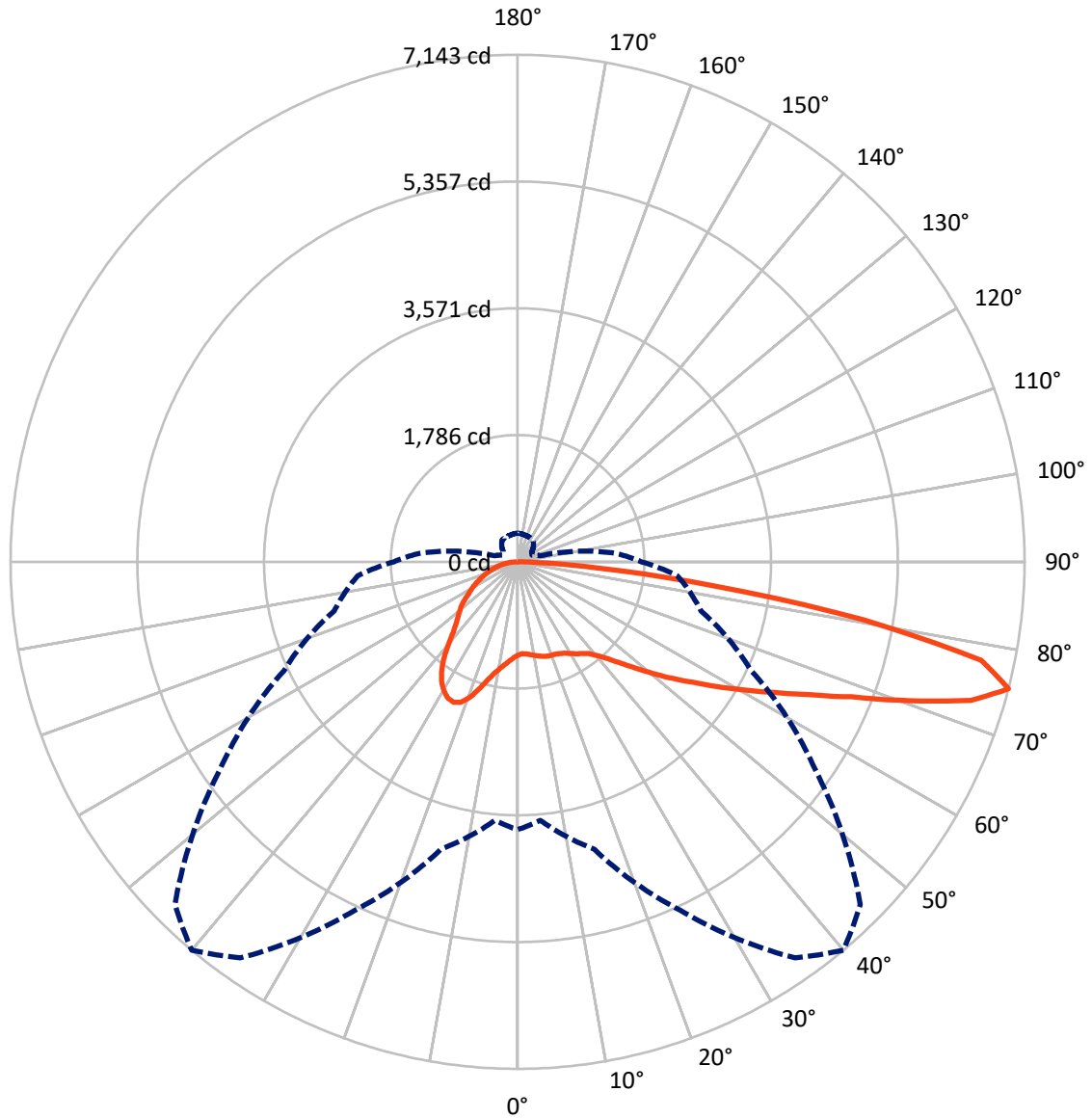
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	3555.7	0.0	3555.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7920.4	0.0	7920.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	11476.0	0.0	11476.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	1.1
10°-20°	439.8	3.8
20°-30°	803.0	7.0
30°-40°	1138.9	9.9
40°-50°	1537.9	13.4
50°-60°	2068.9	18.0
60°-70°	2625.9	22.9
70°-80°	2383.2	20.8
80°-90°	347.4	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°	11476.0	100.0
0°-180°	11476.0	100.0

Coefficient of Utilization



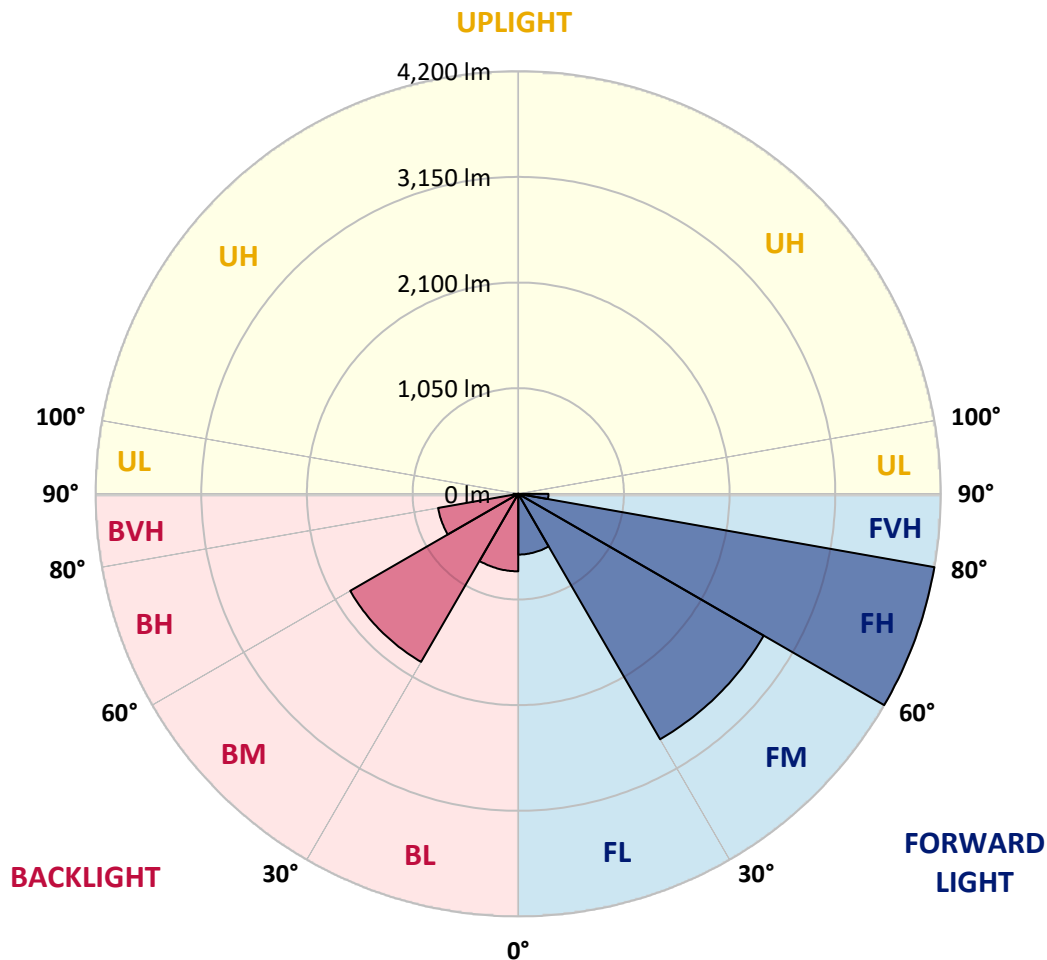
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	603.6	5.3			
FM (30°-60°)	2817.1	24.5			
FH (60°-80°)	4200.0	36.6			G2/5000
FVH (80°-90°)	299.6	2.6			G3/500
BL (0°-30°)	770.2	6.7	B2/1000		
BM (30°-60°)	1928.6	16.8	B2/2500		
BH (60°-80°)	809.0	7.0	B2/1000		G2/1000
BVH (80°-90°)	47.8	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°	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3
2.5°	1292.2	1299.5	1297.7	1295.3	1295.3	1295.9	1295.3	1299.5	1303.8	1308.0
5°	1305.6	1312.9	1309.3	1306.2	1303.8	1303.2	1301.3	1300.7	1303.2	1308.6
7.5°	1331.8	1339.1	1333.6	1328.1	1323.3	1320.8	1318.4	1314.7	1312.9	1315.9
10°	1361.0	1368.3	1361.6	1351.9	1343.9	1340.9	1338.5	1334.8	1332.4	1334.2
12.5°	1390.2	1397.5	1388.4	1375.0	1364.6	1362.8	1359.8	1358.6	1357.9	1357.3
15°	1417.6	1423.7	1412.1	1396.3	1385.3	1382.3	1379.2	1381.1	1384.1	1387.8
17.5°	1438.9	1445.0	1427.9	1407.2	1396.9	1395.7	1393.9	1399.9	1408.5	1417.6
20°	1458.4	1464.5	1442.6	1414.6	1402.4	1402.4	1403.0	1415.8	1427.9	1441.3
22.5°	1485.8	1490.6	1463.9	1425.5	1407.9	1409.1	1413.9	1426.7	1441.9	1460.2
25°	1526.5	1530.2	1497.3	1446.2	1426.1	1429.8	1434.0	1440.1	1454.7	1476.0
27.5°	1592.3	1595.3	1552.1	1482.7	1452.3	1458.4	1464.5	1460.2	1466.9	1485.2
30°	1684.8	1686.6	1631.8	1539.9	1496.7	1499.8	1501.0	1483.3	1470.6	1485.2
32.5°	1794.4	1793.8	1728.6	1609.3	1547.2	1544.2	1533.9	1499.2	1469.3	1482.1
35°	1964.2	1957.5	1873.5	1706.7	1604.5	1585.6	1561.2	1516.8	1475.4	1479.1
37.5°	2245.4	2224.7	2108.4	1866.2	1689.7	1641.6	1605.7	1545.4	1488.8	1477.9
40°	2562.5	2536.3	2408.5	2084.7	1817.5	1740.2	1682.4	1586.2	1510.7	1483.3
42.5°	2938.7	2901.5	2764.0	2342.2	1979.4	1867.4	1780.4	1637.9	1543.0	1501.0
45°	3400.6	3351.3	3156.6	2632.5	2183.3	2034.2	1917.9	1716.5	1592.3	1535.1
47.5°	3867.5	3879.7	3602.7	2964.8	2428.0	2239.9	2090.2	1834.5	1664.1	1589.9
50°	4363.6	4372.1	4046.4	3333.1	2705.5	2472.4	2283.7	1966.6	1763.9	1667.8
52.5°	4750.7	4751.9	4449.4	3718.4	2994.7	2728.1	2492.5	2117.6	1879.6	1771.2
55°	4992.9	4989.9	4731.8	4083.0	3327.0	2996.5	2723.8	2289.2	2020.8	1893.0
57.5°	5168.8	5159.7	4926.6	4396.4	3681.2	3313.6	2985.5	2484.0	2187.6	2037.8
60°	5235.8	5230.3	5058.7	4667.3	4053.8	3664.2	3287.4	2701.9	2376.9	2208.9
62.5°	5261.4	5271.7	5188.3	4929.6	4452.4	4052.5	3619.2	2962.4	2589.9	2402.4
65°	5351.4	5370.3	5353.3	5272.9	4902.8	4507.2	4059.2	3272.2	2822.4	2610.0
67.5°	5529.8	5548.6	5556.0	5683.8	5453.1	5073.9	4608.3	3658.1	3094.5	2825.5
70°	5525.5	5520.0	5649.1	6010.6	6142.1	5858.5	5348.4	4132.9	3418.9	3004.4
72.5°	5029.5	4985.6	5290.6	6007.0	6715.5	6677.7	6252.3	4745.2	3698.9	3026.3
75°	3773.2	3656.3	4195.0	5413.5	6811.0	7142.8	6826.9	5125.0	3632.6	2673.9
77.5°	1613.6	1496.1	2131.0	4007.5	6095.8	6677.1	6299.8	4471.3	2899.7	1768.2
80°	422.4	421.8	644.0	1816.9	4145.7	4930.8	4325.8	2887.5	1656.8	631.8
82.5°	174.7	170.4	236.8	706.7	2025.7	2767.0	2258.2	1287.9	598.3	171.0
85°	65.1	64.5	115.0	244.1	714.6	1141.3	826.0	329.3	149.1	83.4
87.5°	18.3	17.7	25.0	84.6	174.1	264.2	141.2	54.2	42.0	32.9
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°
1312.3	0°	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3	1312.3
1314.7	2.5°	1316.6	1319.6	1325.1	1329.3	1334.8	1340.9	1349.4	1354.9	1360.4	1364.0
1317.8	5°	1322.0	1328.7	1342.7	1356.7	1373.2	1388.4	1406.0	1418.8	1429.2	1432.2
1328.7	7.5°	1334.2	1345.2	1368.9	1392.6	1418.8	1443.8	1469.3	1491.2	1508.9	1515.6
1348.2	10°	1355.5	1370.1	1403.6	1437.1	1471.8	1510.1	1543.0	1574.6	1599.6	1609.9
1371.3	12.5°	1382.3	1400.6	1444.4	1490.6	1538.7	1591.7	1634.3	1673.2	1704.3	1718.3
1403.6	15°	1417.0	1440.7	1496.7	1558.8	1629.4	1703.1	1757.2	1800.5	1835.1	1852.2
1437.1	17.5°	1454.7	1486.4	1557.0	1650.7	1751.8	1848.5	1911.8	1943.5	1979.4	1995.8
1468.1	20°	1491.2	1530.2	1631.2	1767.6	1902.1	2005.0	2056.1	2064.6	2067.0	2068.9
1497.3	22.5°	1529.0	1581.3	1724.4	1914.9	2059.1	2130.4	2137.7	2101.1	2050.0	2026.3
1525.9	25°	1570.4	1639.8	1846.1	2077.4	2194.3	2202.8	2146.8	2057.9	1961.1	1916.7
1549.1	27.5°	1610.5	1707.3	1992.2	2232.6	2291.6	2216.8	2096.3	1970.3	1853.4	1806.5
1565.5	30°	1650.7	1784.6	2153.5	2368.3	2336.1	2182.1	2016.5	1875.9	1758.5	1709.1
1580.1	32.5°	1691.5	1874.7	2339.1	2466.3	2328.2	2108.4	1917.3	1770.0	1666.5	1614.8
1592.9	35°	1737.8	1985.5	2515.0	2519.9	2275.2	2000.1	1786.5	1643.4	1553.3	1511.9
1608.1	37.5°	1798.0	2126.1	2670.2	2533.3	2182.7	1841.2	1623.9	1493.7	1419.4	1400.6
1630.6	40°	1872.9	2295.3	2788.9	2512.0	2045.7	1648.3	1446.2	1342.1	1300.1	1304.4
1661.1	42.5°	1970.3	2484.6	2872.3	2457.2	1855.2	1449.2	1290.4	1244.1	1264.2	1281.3
1706.7	45°	2096.9	2681.2	2924.1	2364.1	1639.8	1280.6	1198.5	1209.4	1224.6	1226.5
1780.4	47.5°	2258.8	2880.2	2958.1	2223.5	1420.0	1162.0	1140.0	1142.5	1139.4	1126.7
1890.5	50°	2460.9	3073.8	2988.6	2037.2	1233.2	1087.7	1058.5	1050.0	1008.0	966.6
2037.2	52.5°	2690.9	3251.5	3001.4	1805.9	1087.7	1025.6	978.1	924.6	846.1	833.3
2221.7	55°	2946.6	3415.9	2968.5	1521.7	965.4	945.9	874.1	809.5	801.0	790.1
2464.5	57.5°	3252.1	3593.0	2901.5	1204.6	840.0	852.7	782.8	790.1	774.8	757.8
2776.8	60°	3586.3	3776.2	2784.1	915.4	710.3	736.5	759.0	758.4	754.1	740.1
3106.1	62.5°	3887.0	3896.7	2552.8	701.2	596.5	646.4	707.9	707.3	703.6	695.7
3450.0	65°	4065.9	3878.5	2166.9	552.1	502.8	572.2	638.5	643.4	644.0	643.4
3708.6	67.5°	4034.3	3664.8	1637.3	439.5	425.5	496.7	569.7	576.4	581.3	582.5
3741.5	70°	3676.4	3195.5	1067.6	350.6	356.7	430.3	504.6	511.3	515.5	520.4
3246.7	72.5°	2865.6	2349.5	611.1	283.6	296.4	373.1	440.1	448.0	450.4	459.5
2259.4	75°	1746.3	1381.7	329.9	223.4	243.5	318.9	376.2	385.3	389.5	400.5
1109.6	77.5°	830.2	598.3	188.1	174.1	196.0	260.5	317.7	328.1	316.5	322.6
306.2	80°	280.6	222.2	118.7	132.7	149.7	203.3	254.4	264.8	240.4	239.2
101.6	82.5°	98.0	90.1	75.5	88.3	96.8	145.5	192.3	205.7	178.9	178.3
45.7	85°	38.3	36.5	42.0	48.1	57.8	89.5	126.6	133.3	110.2	88.9
13.4	87.5°	7.9	8.5	10.3	11.0	17.7	31.0	45.7	56.0	44.4	37.7
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°
1312.3
1361.6
1433.4
1516.2
1610.5
1718.3
1851.0
1995.2
2073.7
2033.0
1923.4
1812.0
1714.6
1621.5
1521.1
1413.9
1319.0
1297.1
1238.6
1136.4
972.0
837.5
791.9
754.8
735.3
692.7
643.4
583.7
522.8
463.2
401.7
317.7
236.8
169.8
87.6
34.7
0.0

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