

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: P847073

Luminaire Tested: **GLAN-SB3A-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847073
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-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 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: 12887 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

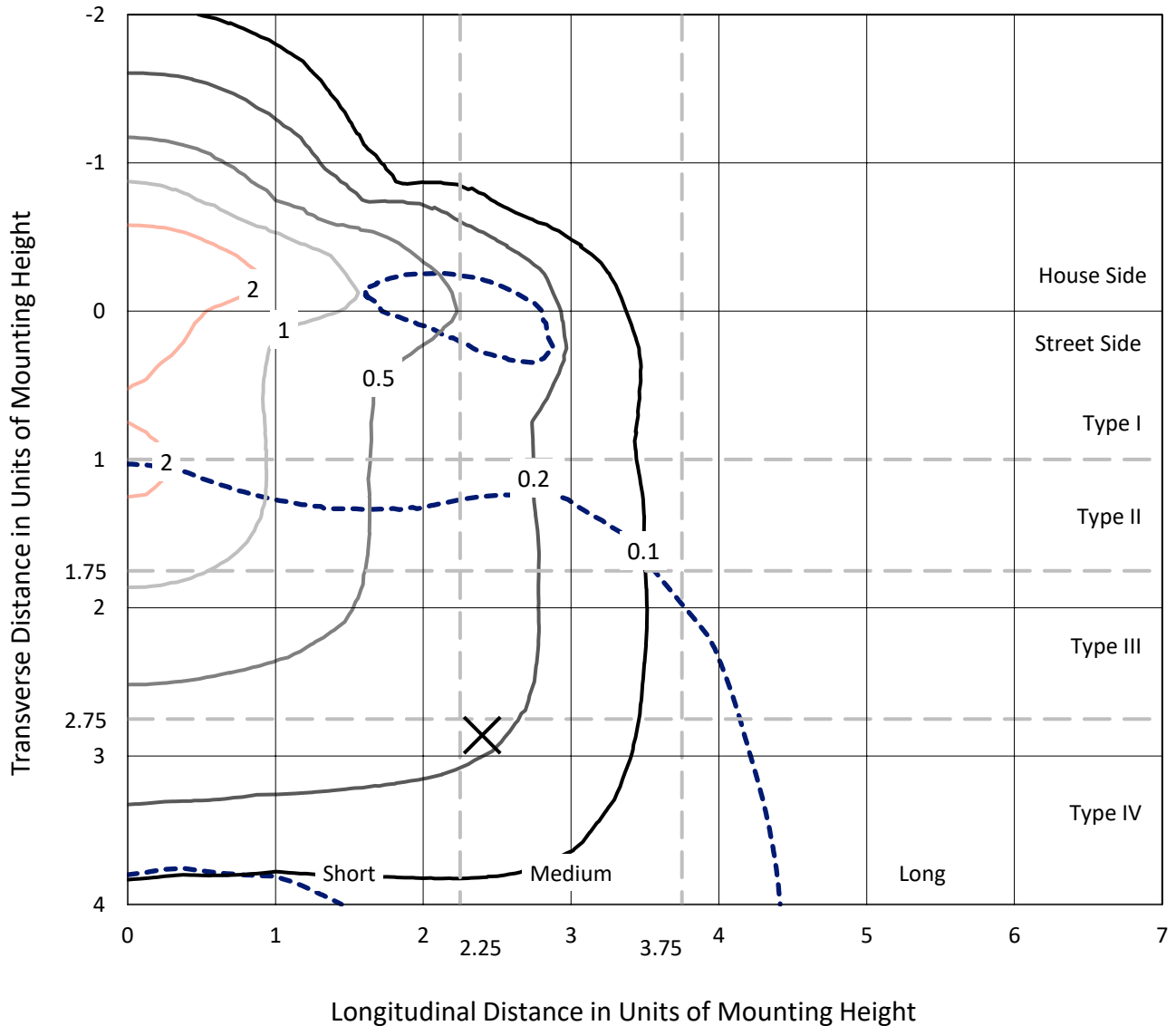
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

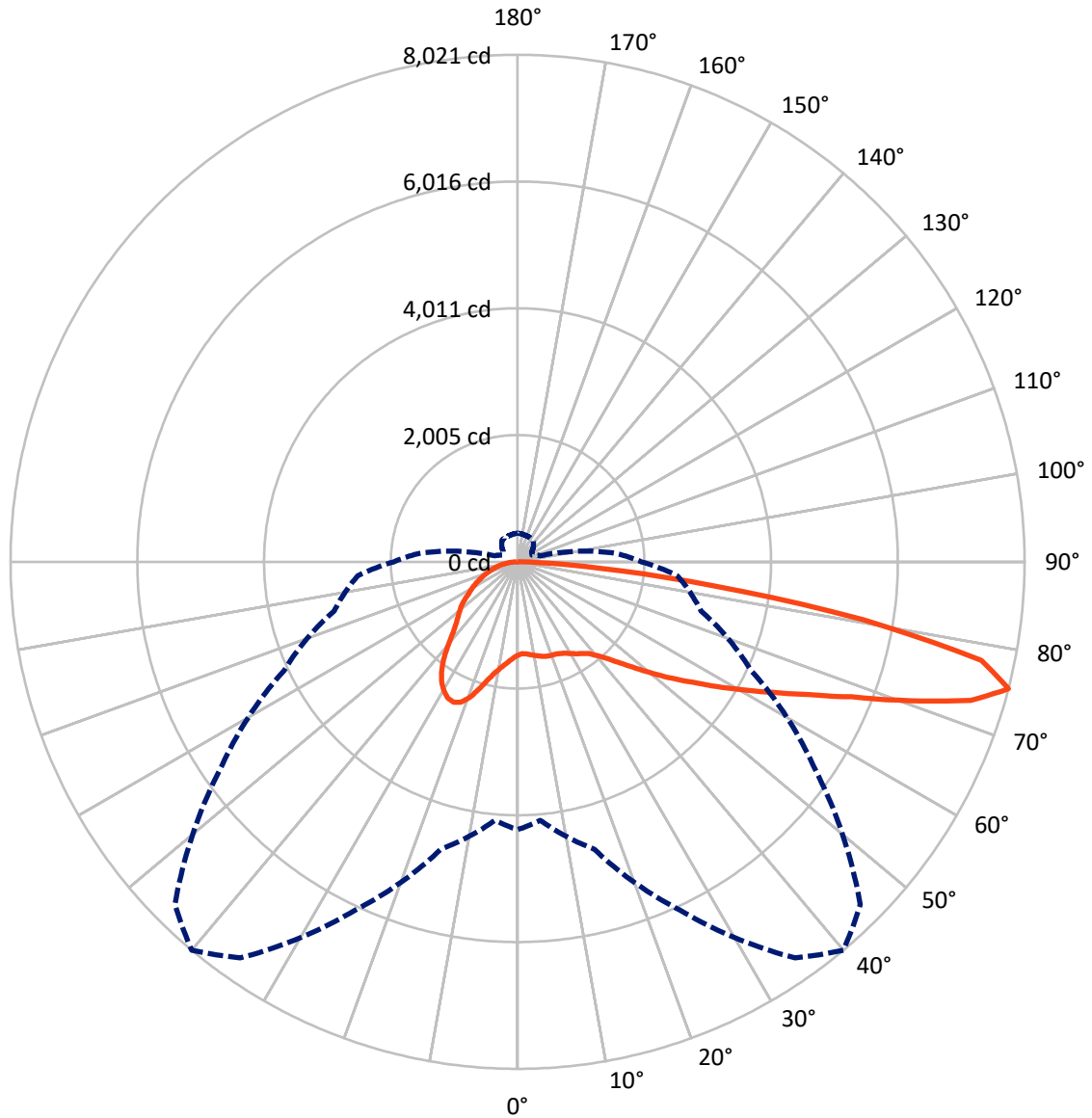
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	3992.8	0.0	3992.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8894.2	0.0	8894.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	12887.0	0.0	12887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	1.1
10°-20°	493.9	3.8
20°-30°	901.8	7.0
30°-40°	1279.0	9.9
40°-50°	1727.0	13.4
50°-60°	2323.3	18.0
60°-70°	2948.7	22.9
70°-80°	2676.2	20.8
80°-90°	390.1	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°	12887.0	100.0
0°-180°	12887.0	100.0

Coefficient of Utilization

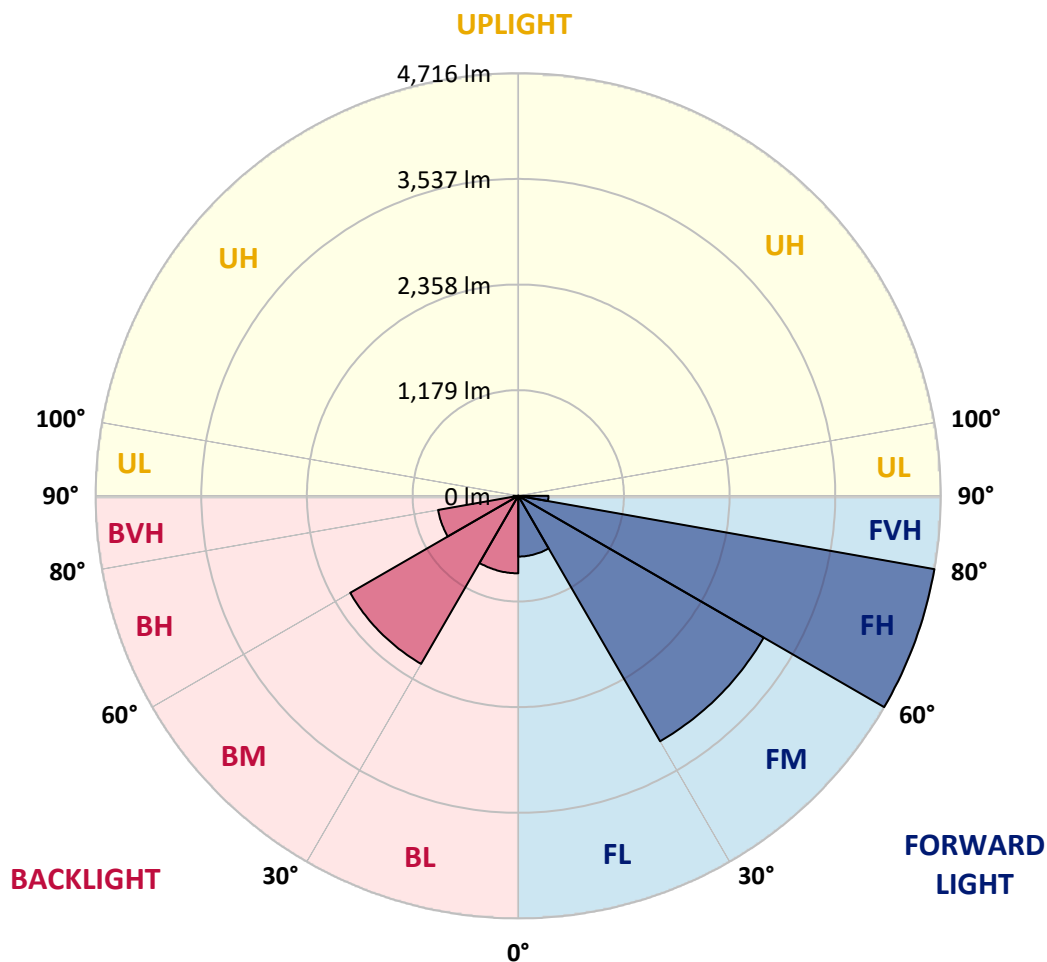


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.9	5.3			
FM (30°-60°)	3163.5	24.5			
FH (60°-80°)	4716.4	36.6			G2/5000
FVH (80°-90°)	336.4	2.6			G3/500
BL (0°-30°)	864.9	6.7	B2/1000		
BM (30°-60°)	2165.7	16.8	B2/2500		
BH (60°-80°)	908.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	53.7	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°	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6
2.5°	1451.1	1459.3	1457.2	1454.5	1454.5	1455.2	1454.5	1459.3	1464.1	1468.9
5°	1466.1	1474.3	1470.2	1466.8	1464.1	1463.4	1461.3	1460.7	1463.4	1469.5
7.5°	1495.5	1503.7	1497.6	1491.4	1485.9	1483.2	1480.5	1476.4	1474.3	1477.7
10°	1528.3	1536.5	1529.0	1518.1	1509.2	1505.8	1503.0	1498.9	1496.2	1498.3
12.5°	1561.1	1569.3	1559.1	1544.0	1532.4	1530.4	1527.0	1525.6	1524.9	1524.2
15°	1591.9	1598.7	1585.7	1568.0	1555.7	1552.2	1548.8	1550.9	1554.3	1558.4
17.5°	1615.8	1622.7	1603.5	1580.3	1568.7	1567.3	1565.2	1572.1	1581.6	1591.9
20°	1637.7	1644.5	1619.9	1588.5	1574.8	1574.8	1575.5	1589.8	1603.5	1618.5
22.5°	1668.4	1673.9	1643.8	1600.8	1581.0	1582.3	1587.8	1602.1	1619.2	1639.7
25°	1714.2	1718.3	1681.4	1624.0	1601.5	1605.6	1610.3	1617.2	1633.6	1657.5
27.5°	1788.1	1791.5	1742.9	1665.0	1630.9	1637.7	1644.5	1639.7	1647.3	1667.8
30°	1892.0	1894.0	1832.5	1729.3	1680.7	1684.2	1685.5	1665.7	1651.4	1667.8
32.5°	2015.0	2014.3	1941.2	1807.2	1737.5	1734.1	1722.4	1683.5	1650.0	1664.3
35°	2205.7	2198.2	2103.8	1916.6	1801.7	1780.5	1753.2	1703.3	1656.8	1660.9
37.5°	2521.5	2498.2	2367.7	2095.6	1897.4	1843.4	1803.1	1735.4	1671.9	1659.6
40°	2877.6	2848.2	2704.6	2341.0	2041.0	1954.2	1889.2	1781.2	1696.5	1665.7
42.5°	3300.0	3258.3	3103.8	2630.1	2222.8	2097.0	1999.3	1839.3	1732.7	1685.5
45°	3818.8	3763.4	3544.7	2956.2	2451.7	2284.3	2153.7	1927.5	1788.1	1723.8
47.5°	4343.0	4356.7	4045.7	3329.4	2726.5	2515.3	2347.2	2060.1	1868.7	1785.3
50°	4900.1	4909.6	4544.0	3742.9	3038.2	2776.4	2564.5	2208.4	1980.8	1872.8
52.5°	5334.8	5336.2	4996.5	4175.6	3362.9	3063.5	2799.0	2377.9	2110.7	1989.0
55°	5606.8	5603.4	5313.6	4585.0	3736.1	3364.9	3058.7	2570.7	2269.3	2125.7
57.5°	5804.4	5794.1	5532.3	4937.0	4133.9	3721.0	3352.6	2789.4	2456.5	2288.4
60°	5879.5	5873.4	5680.6	5241.1	4552.2	4114.7	3691.6	3034.1	2669.1	2480.5
62.5°	5908.3	5919.9	5826.2	5535.7	4999.9	4550.8	4064.1	3326.6	2908.3	2697.8
65°	6009.4	6030.6	6011.5	5921.2	5505.7	5061.4	4558.3	3674.5	3169.4	2930.9
67.5°	6209.7	6230.9	6239.1	6382.6	6123.6	5697.7	5174.8	4107.9	3475.0	3172.8
70°	6204.9	6198.7	6343.6	6749.7	6897.3	6578.8	6006.0	4641.0	3839.3	3373.8
72.5°	5647.8	5598.6	5941.1	6745.6	7541.2	7498.8	7021.0	5328.6	4153.7	3398.4
75°	4237.1	4105.8	4710.7	6079.1	7648.5	8021.0	7666.2	5755.1	4079.2	3002.7
77.5°	1812.0	1680.1	2393.0	4500.2	6845.3	7498.1	7074.3	5021.1	3256.2	1985.6
80°	474.4	473.7	723.2	2040.3	4655.4	5537.1	4857.7	3242.6	1860.5	709.5
82.5°	196.2	191.4	265.9	793.6	2274.7	3107.2	2535.8	1446.3	671.9	192.1
85°	73.1	72.5	129.2	274.1	802.4	1281.6	927.5	369.8	167.5	93.6
87.5°	20.5	19.8	28.0	95.0	195.5	296.6	158.6	60.8	47.2	36.9
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°
1473.6	0°	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6	1473.6
1476.4	2.5°	1478.4	1481.8	1488.0	1492.8	1498.9	1505.8	1515.3	1521.5	1527.6	1531.7
1479.8	5°	1484.6	1492.1	1507.8	1523.5	1542.0	1559.1	1578.9	1593.3	1604.9	1608.3
1492.1	7.5°	1498.3	1510.6	1537.2	1563.9	1593.3	1621.3	1650.0	1674.6	1694.4	1701.9
1514.0	10°	1522.2	1538.6	1576.2	1613.8	1652.7	1695.8	1732.7	1768.2	1796.3	1807.9
1539.9	12.5°	1552.2	1572.8	1622.0	1673.9	1727.9	1787.4	1835.2	1879.0	1913.8	1929.5
1576.2	15°	1591.2	1617.9	1680.7	1750.5	1829.8	1912.5	1973.3	2021.8	2060.8	2079.9
1613.8	17.5°	1633.6	1669.1	1748.4	1853.7	1967.1	2075.8	2146.9	2182.4	2222.8	2241.2
1648.6	20°	1674.6	1718.3	1831.8	1984.9	2136.0	2251.5	2308.9	2318.5	2321.2	2323.2
1681.4	22.5°	1717.0	1775.8	1936.4	2150.3	2312.3	2392.3	2400.5	2359.5	2302.1	2275.4
1713.6	25°	1763.5	1841.4	2073.1	2332.8	2464.1	2473.6	2410.7	2310.9	2202.3	2152.4
1739.5	27.5°	1808.6	1917.2	2237.1	2507.1	2573.4	2489.3	2354.0	2212.5	2081.3	2028.7
1758.0	30°	1853.7	2004.0	2418.3	2659.5	2623.3	2450.4	2264.5	2106.6	1974.7	1919.3
1774.4	32.5°	1899.5	2105.2	2626.7	2769.6	2614.4	2367.7	2153.1	1987.6	1871.4	1813.3
1788.7	35°	1951.4	2229.6	2824.3	2829.7	2555.0	2246.0	2006.1	1845.5	1744.3	1697.8
1805.8	37.5°	2019.1	2387.5	2998.6	2844.8	2451.1	2067.6	1823.6	1677.3	1593.9	1572.8
1831.1	40°	2103.2	2577.5	3131.8	2820.8	2297.3	1850.9	1624.0	1507.1	1460.0	1464.8
1865.3	42.5°	2212.5	2790.1	3225.5	2759.3	2083.3	1627.4	1449.0	1397.1	1419.6	1438.8
1916.6	45°	2354.7	3010.9	3283.6	2654.7	1841.4	1438.1	1345.8	1358.1	1375.2	1377.3
1999.3	47.5°	2536.5	3234.4	3321.9	2496.9	1594.6	1304.8	1280.2	1282.9	1279.5	1265.2
2123.0	50°	2763.4	3451.7	3356.0	2287.7	1384.8	1221.4	1188.6	1179.1	1131.9	1085.4
2287.7	52.5°	3021.8	3651.3	3370.4	2028.0	1221.4	1151.7	1098.4	1038.3	950.1	935.7
2494.8	55°	3308.9	3835.9	3333.5	1708.8	1084.0	1062.2	981.5	909.1	899.5	887.2
2767.5	57.5°	3652.0	4034.8	3258.3	1352.7	943.2	957.6	879.0	887.2	870.1	851.0
3118.2	60°	4027.2	4240.5	3126.4	1028.0	797.7	827.0	852.3	851.7	846.9	831.1
3487.9	62.5°	4364.9	4375.8	2866.6	787.4	669.8	725.9	794.9	794.2	790.1	781.3
3874.1	65°	4565.8	4355.3	2433.3	619.9	564.6	642.5	717.0	722.5	723.2	722.5
4164.6	67.5°	4530.3	4115.4	1838.6	493.5	477.8	557.7	639.8	647.3	652.8	654.1
4201.5	70°	4128.4	3588.4	1198.9	393.7	400.5	483.2	566.6	574.1	578.9	584.4
3645.8	72.5°	3218.0	2638.3	686.2	318.5	332.9	419.0	494.2	503.1	505.8	516.0
2537.2	75°	1961.0	1551.6	370.5	250.8	273.4	358.2	422.4	432.7	437.4	449.7
1246.0	77.5°	932.3	671.9	211.2	195.5	220.1	292.5	356.8	368.4	355.4	362.3
343.8	80°	315.1	249.5	133.3	149.0	168.1	228.3	285.7	297.3	270.0	268.6
114.1	82.5°	110.0	101.2	84.8	99.1	108.7	163.4	216.0	231.0	201.0	200.3
51.3	85°	43.1	41.0	47.2	54.0	64.9	100.5	142.2	149.7	123.7	99.8
15.0	87.5°	8.9	9.6	11.6	12.3	19.8	34.9	51.3	62.9	49.9	42.4
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°
1473.6
1529.0
1609.7
1702.6
1808.6
1929.5
2078.6
2240.5
2328.7
2282.9
2159.9
2034.8
1925.4
1820.9
1708.1
1587.8
1481.2
1456.6
1390.9
1276.1
1091.6
940.5
889.2
847.6
825.7
777.8
722.5
655.5
587.1
520.2
451.1
356.8
265.9
190.7
98.4
39.0
0.0

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