

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: P847518

Luminaire Tested: **GLAN-SB3C-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14480 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

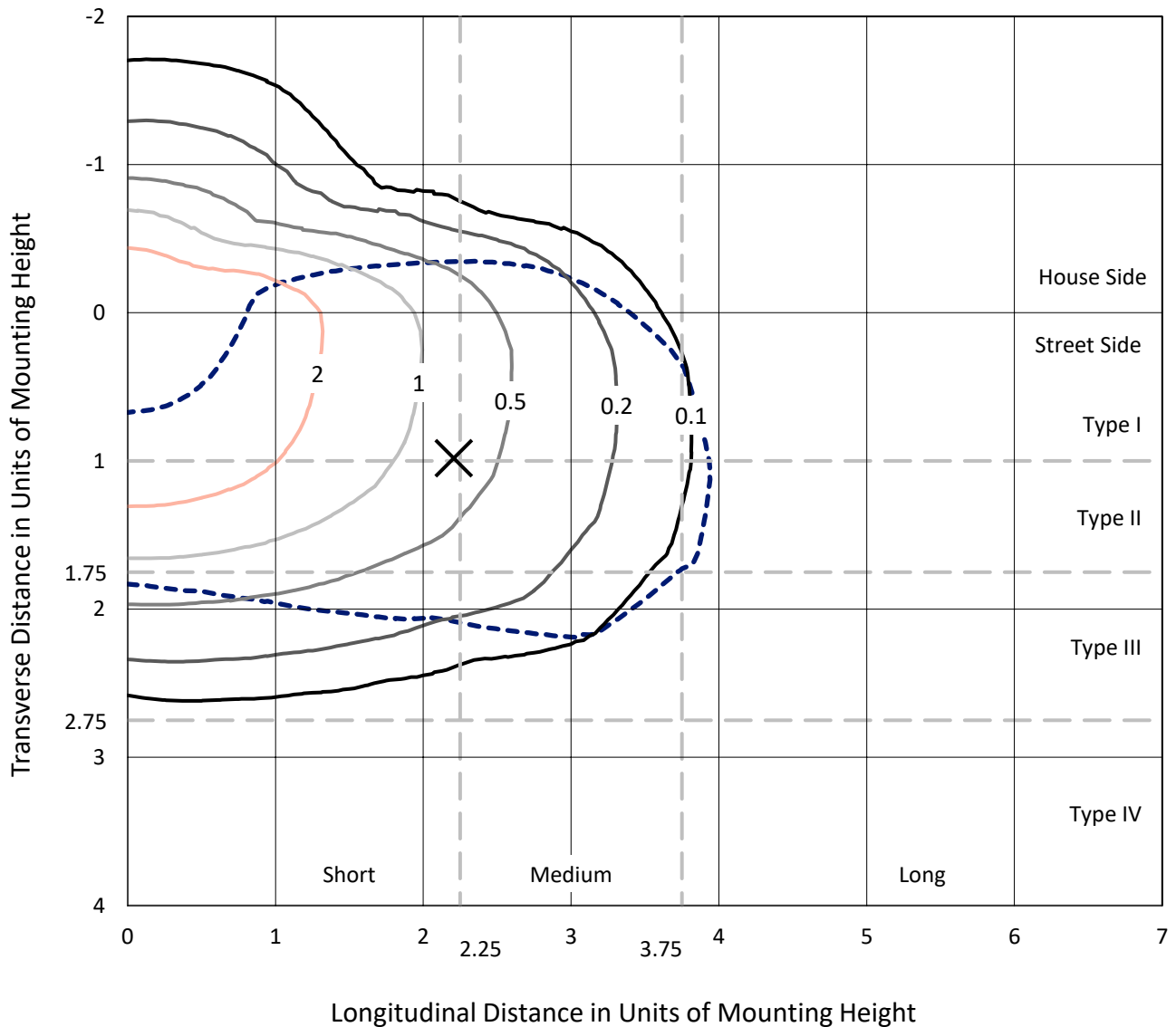
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

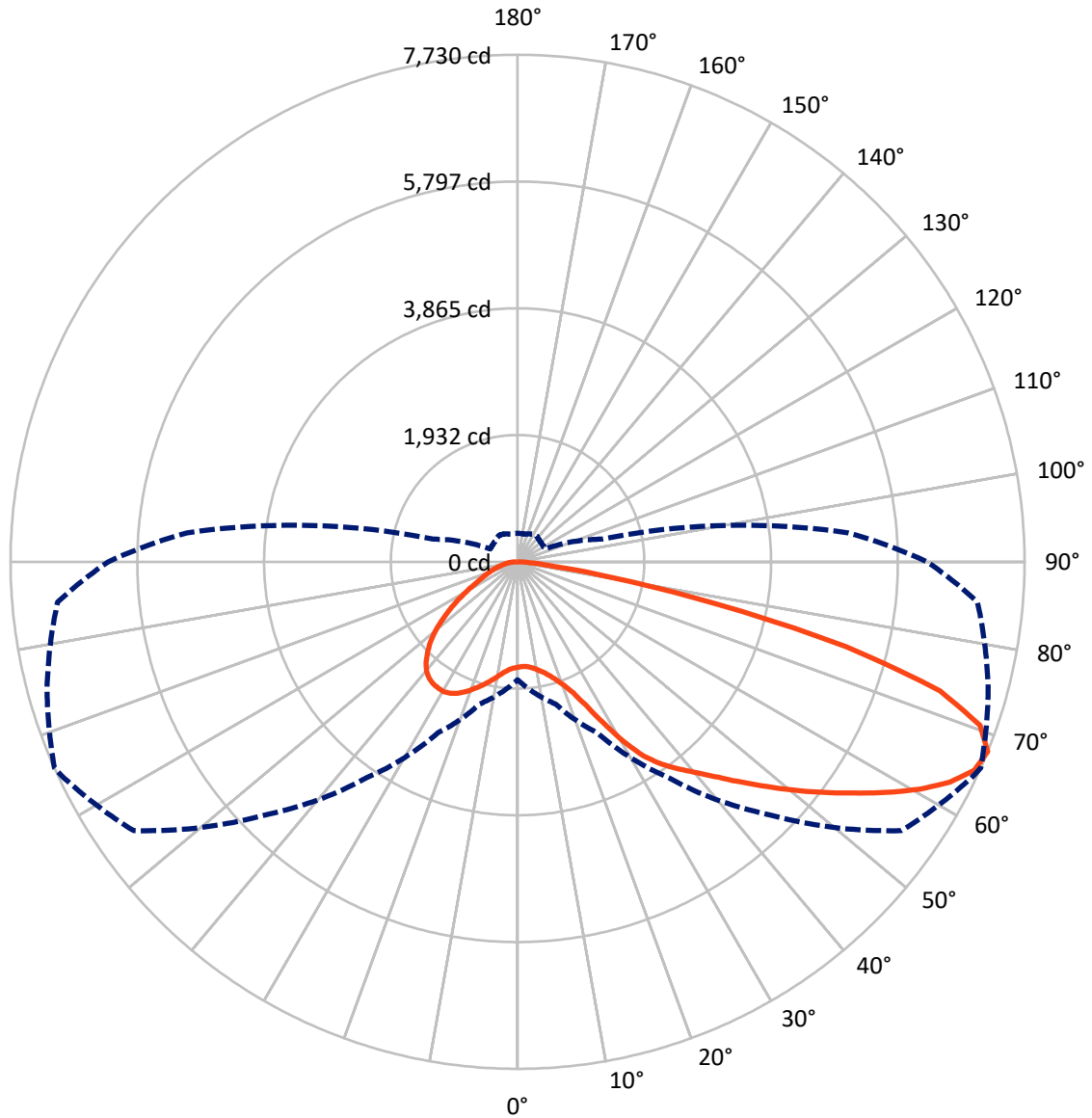
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3600.4	0.0	3600.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10879.6	0.0	10879.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	14480.0	0.0	14480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	1.1
10°-20°	526.1	3.6
20°-30°	1014.0	7.0
30°-40°	1777.9	12.3
40°-50°	2643.1	18.3
50°-60°	3350.4	23.1
60°-70°	3278.3	22.6
70°-80°	1563.8	10.8
80°-90°	167.1	1.2
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°	14480.0	100.0
0°-180°	14480.0	100.0

Coefficient of Utilization



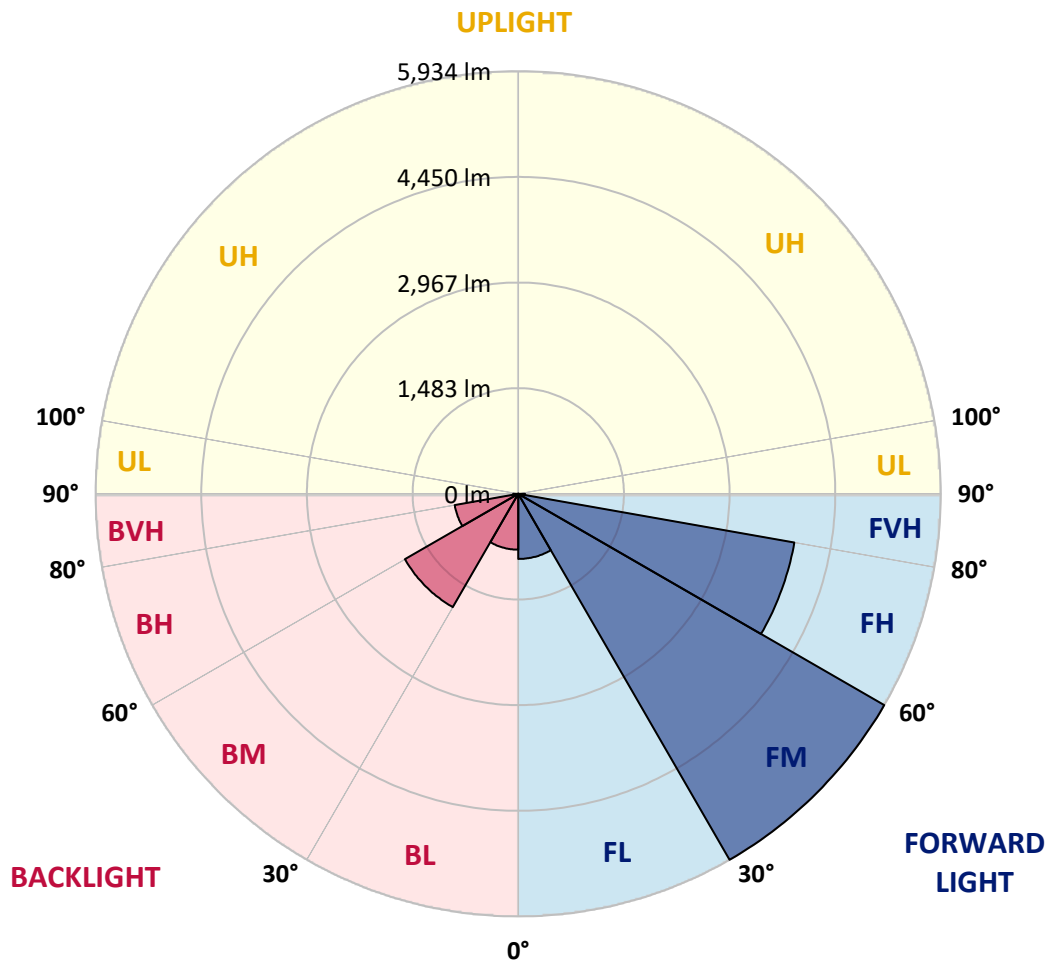
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	915.0	6.3			
FM (30°-60°)	5933.8	41.0			
FH (60°-80°)	3936.1	27.2			G2/5000
FVH (80°-90°)	94.8	0.7			G1/100
BL (0°-30°)	784.3	5.4	B2/1000		
BM (30°-60°)	1837.7	12.7	B2/2500		
BH (60°-80°)	906.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	72.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0
2.5°	1589.3	1598.4	1596.1	1592.3	1591.6	1593.1	1595.4	1597.7	1596.9	1600.7
5°	1584.7	1593.9	1593.1	1593.1	1596.1	1602.2	1606.0	1609.8	1606.0	1610.6
7.5°	1587.8	1594.6	1597.7	1600.7	1608.3	1619.7	1628.8	1637.2	1632.7	1638.0
10°	1626.6	1631.9	1634.9	1634.9	1640.3	1653.2	1662.3	1677.5	1673.7	1682.1
12.5°	1697.3	1702.6	1702.6	1699.6	1703.4	1711.8	1714.8	1731.6	1724.7	1738.4
15°	1784.0	1794.7	1786.3	1781.0	1782.5	1790.9	1790.1	1803.1	1796.2	1807.6
17.5°	1879.9	1893.6	1879.9	1879.1	1876.1	1885.2	1886.0	1897.4	1885.2	1893.6
20°	1993.3	2012.3	2000.9	2004.7	1997.8	2001.6	2005.4	2022.2	2003.2	2009.2
22.5°	2153.0	2175.9	2163.7	2178.1	2173.6	2170.5	2169.8	2199.4	2169.8	2172.0
25°	2385.8	2413.2	2391.9	2411.7	2411.7	2421.6	2433.0	2471.0	2421.6	2407.1
27.5°	2729.7	2757.1	2715.3	2727.4	2723.6	2748.0	2735.8	2830.1	2776.9	2753.3
30°	3143.6	3192.3	3113.1	3110.1	3106.3	3145.1	3162.6	3225.0	3171.0	3147.4
32.5°	3590.9	3641.9	3547.6	3520.2	3505.7	3529.3	3514.8	3565.1	3527.8	3491.3
35°	4064.1	4114.3	4024.6	3971.3	3913.5	3864.0	3812.3	3825.2	3790.2	3734.7
37.5°	4511.5	4603.5	4508.4	4451.4	4344.9	4248.2	4103.7	4043.6	4010.9	3959.9
40°	4967.2	5019.7	4947.4	4898.7	4783.1	4631.7	4400.4	4273.3	4229.2	4179.8
42.5°	5302.7	5352.9	5314.1	5280.6	5190.1	5014.4	4715.4	4556.4	4492.5	4436.9
45°	5569.0	5606.2	5581.9	5594.1	5555.3	5384.9	5041.7	4859.9	4793.7	4726.0
47.5°	5676.2	5715.8	5754.6	5826.9	5893.1	5767.5	5392.5	5188.6	5118.6	5049.3
50°	5664.1	5704.4	5817.0	5970.7	6176.1	6134.2	5762.2	5538.5	5473.9	5394.7
52.5°	5566.7	5612.3	5756.9	6012.5	6339.6	6408.9	6138.8	5899.9	5839.0	5744.7
55°	5311.1	5338.4	5555.3	5917.4	6378.4	6600.6	6507.8	6284.9	6224.0	6092.4
57.5°	4837.1	4876.7	5192.4	5661.0	6281.1	6730.7	6831.9	6689.6	6631.0	6441.6
60°	4218.6	4281.7	4643.1	5230.4	6033.0	6729.9	7126.3	7087.5	7038.8	6785.5
62.5°	3518.6	3591.7	3939.4	4621.8	5599.4	6539.0	7310.4	7420.7	7395.6	7102.7
65°	2702.3	2752.5	3098.7	3834.4	4924.6	6128.9	7331.7	7648.2	7652.8	7343.9
67.5°	1799.3	1943.8	2244.3	2877.3	4020.8	5458.7	7144.6	7685.5	7729.6	7426.8
70°	877.9	1068.1	1362.6	1870.0	2877.3	4430.8	6655.4	7379.6	7477.8	7184.9
72.5°	364.4	426.0	586.6	922.8	1651.7	2989.9	5672.4	6550.4	6732.2	6366.3
75°	245.7	266.3	335.5	473.2	752.4	1474.4	4090.8	4884.3	5177.2	4808.2
77.5°	189.4	202.4	244.2	330.9	447.3	557.7	2189.5	2943.5	3094.9	2865.1
80°	149.1	159.0	182.6	241.2	317.2	298.2	746.3	1333.7	1421.2	1192.2
82.5°	129.3	133.1	130.9	163.6	210.7	174.2	245.0	492.2	543.2	394.1
85°	93.6	104.2	108.8	101.2	111.8	88.3	100.4	174.2	191.7	171.2
87.5°	38.0	56.3	69.2	65.4	41.1	25.1	31.2	51.0	58.6	63.9
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°
1606.0	0°	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0	1606.0
1606.8	2.5°	1607.5	1612.9	1616.7	1621.2	1624.3	1628.8	1638.0	1643.3	1644.1	1647.9
1619.0	5°	1622.0	1629.6	1638.0	1650.1	1663.8	1675.3	1692.8	1704.9	1709.5	1713.3
1648.6	7.5°	1653.2	1663.8	1679.1	1700.4	1720.1	1735.4	1756.7	1771.1	1785.6	1790.9
1695.8	10°	1699.6	1714.8	1736.9	1765.8	1787.1	1806.9	1828.9	1841.1	1855.6	1861.6
1752.1	12.5°	1757.4	1773.4	1802.3	1842.6	1862.4	1876.1	1883.7	1880.7	1883.7	1889.0
1819.8	15°	1823.6	1841.1	1873.8	1917.2	1930.9	1918.7	1902.0	1886.8	1884.5	1886.0
1902.0	17.5°	1902.0	1914.9	1952.9	1989.5	1979.6	1929.4	1892.8	1868.5	1856.3	1852.5
2007.0	20°	2011.5	2011.5	2042.7	2065.5	1999.4	1914.1	1857.1	1817.5	1792.4	1781.8
2150.0	22.5°	2144.7	2132.5	2152.3	2136.3	1995.5	1871.5	1792.4	1723.9	1685.9	1670.7
2350.1	25°	2313.6	2299.1	2293.8	2194.9	1968.2	1803.8	1675.3	1592.3	1558.9	1550.5
2638.4	27.5°	2568.4	2531.9	2462.7	2226.8	1917.9	1697.3	1538.3	1461.5	1442.5	1443.2
3008.9	30°	2907.7	2834.7	2665.0	2232.2	1835.8	1546.7	1398.3	1343.6	1334.4	1338.2
3320.1	32.5°	3221.9	3152.7	2872.0	2207.8	1709.5	1399.1	1272.8	1236.3	1222.6	1227.2
3557.4	35°	3468.4	3449.4	3063.7	2173.6	1554.3	1260.6	1160.2	1129.0	1102.4	1096.3
3781.1	37.5°	3701.2	3693.6	3207.5	2125.6	1400.6	1162.5	1069.7	1028.6	989.8	968.5
4028.4	40°	3956.9	3949.3	3301.8	2051.8	1264.4	1077.3	988.3	934.2	886.3	847.5
4308.3	42.5°	4244.4	4199.5	3346.7	1946.1	1148.8	1005.0	922.1	849.0	785.9	750.1
4624.8	45°	4558.6	4457.5	3345.9	1811.4	1051.4	938.8	851.3	747.9	689.3	655.8
4949.7	47.5°	4891.9	4704.0	3304.9	1662.3	957.1	865.8	741.8	662.6	623.8	603.3
5302.7	50°	5235.7	4934.5	3234.9	1491.1	860.5	782.9	673.3	619.3	589.6	570.6
5652.7	52.5°	5559.1	5143.7	3150.4	1297.1	762.3	702.2	642.9	601.0	569.8	548.5
5992.0	55°	5859.6	5324.0	3031.0	1098.6	682.4	648.2	628.4	593.4	557.7	532.6
6336.6	57.5°	6126.6	5441.2	2824.8	912.2	625.4	610.9	613.2	580.5	539.4	518.1
6675.9	60°	6348.8	5527.1	2519.7	739.5	579.0	574.4	589.6	556.1	508.2	483.9
6962.7	62.5°	6481.9	5525.6	2145.4	605.6	539.4	540.9	558.4	525.7	477.0	454.2
7112.6	65°	6470.5	5390.2	1734.6	518.1	501.4	502.9	525.7	492.2	451.1	437.5
7037.3	67.5°	6241.5	5060.0	1330.6	461.0	459.5	466.4	493.0	469.4	435.2	433.6
6588.4	70°	5621.5	4374.5	958.6	415.4	416.2	426.0	461.0	455.0	426.8	429.8
5539.3	72.5°	4507.7	3335.3	643.6	367.5	368.2	384.2	430.6	443.5	418.4	458.8
3930.2	75°	3002.1	2080.0	413.9	316.5	317.2	337.8	404.0	421.5	395.6	457.2
2045.0	77.5°	1442.5	935.0	299.8	266.3	266.3	285.3	349.2	377.4	337.0	355.3
657.3	80°	498.3	351.5	235.8	214.5	210.0	222.9	294.4	327.1	290.6	267.8
214.5	82.5°	196.3	182.6	189.4	166.6	151.4	159.8	229.0	270.1	213.8	193.2
121.0	85°	112.6	118.7	133.9	110.3	87.5	98.1	168.1	194.0	161.3	142.3
39.6	87.5°	30.4	41.8	61.6	57.1	39.6	41.8	79.9	107.3	92.8	71.5
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°
1606.0
1647.1
1712.5
1791.7
1864.7
1890.6
1891.3
1857.8
1779.5
1668.4
1552.0
1445.5
1351.2
1233.2
1100.9
969.2
851.3
752.4
654.3
598.7
563.7
539.4
522.7
504.4
473.2
447.3
436.7
435.9
429.1
464.8
461.0
325.6
251.1
192.5
145.3
73.8
0.0

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