

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: P848548

Luminaire Tested: **GLAN-SB5A-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848548
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-SB5A-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15298 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

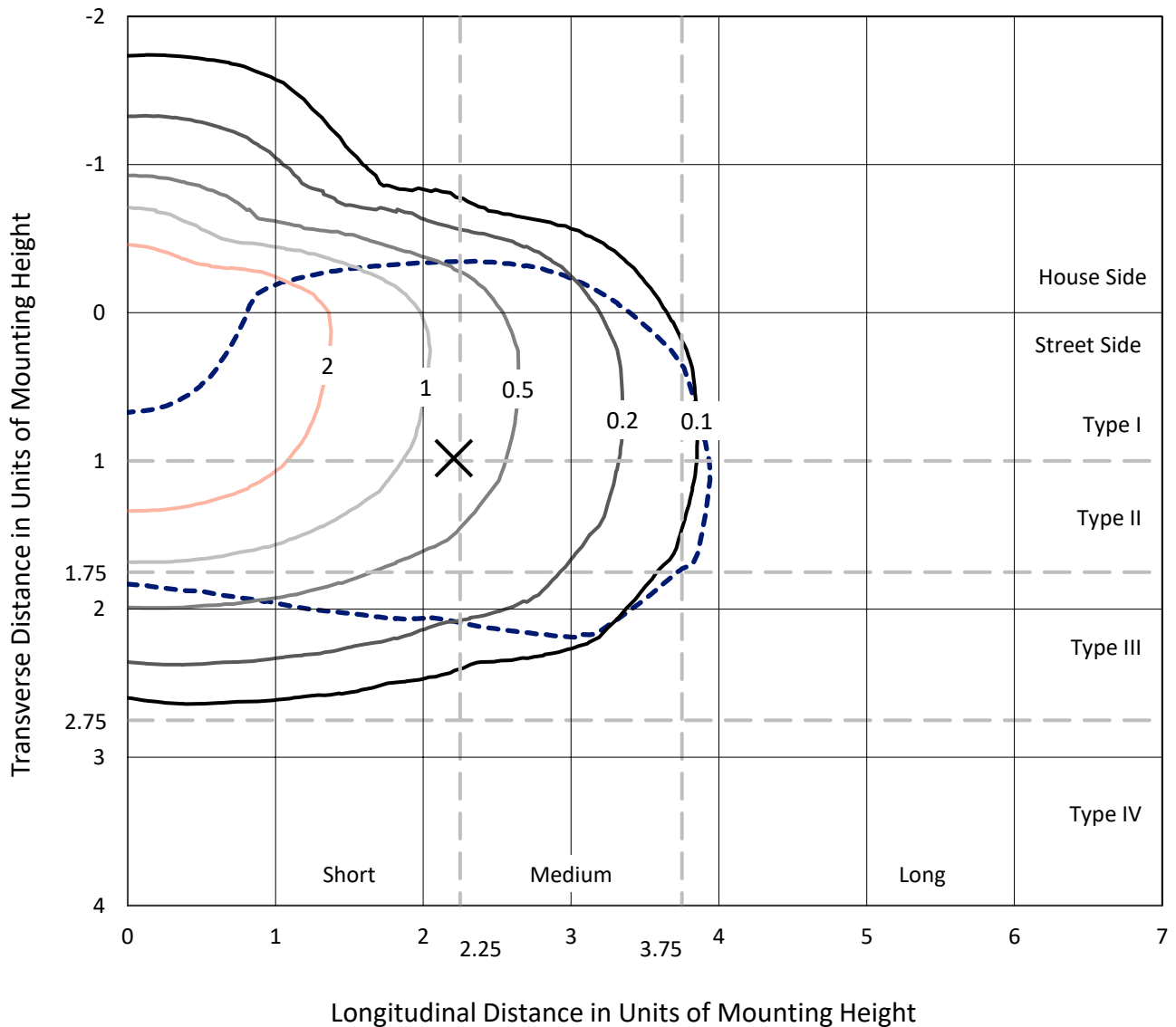
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

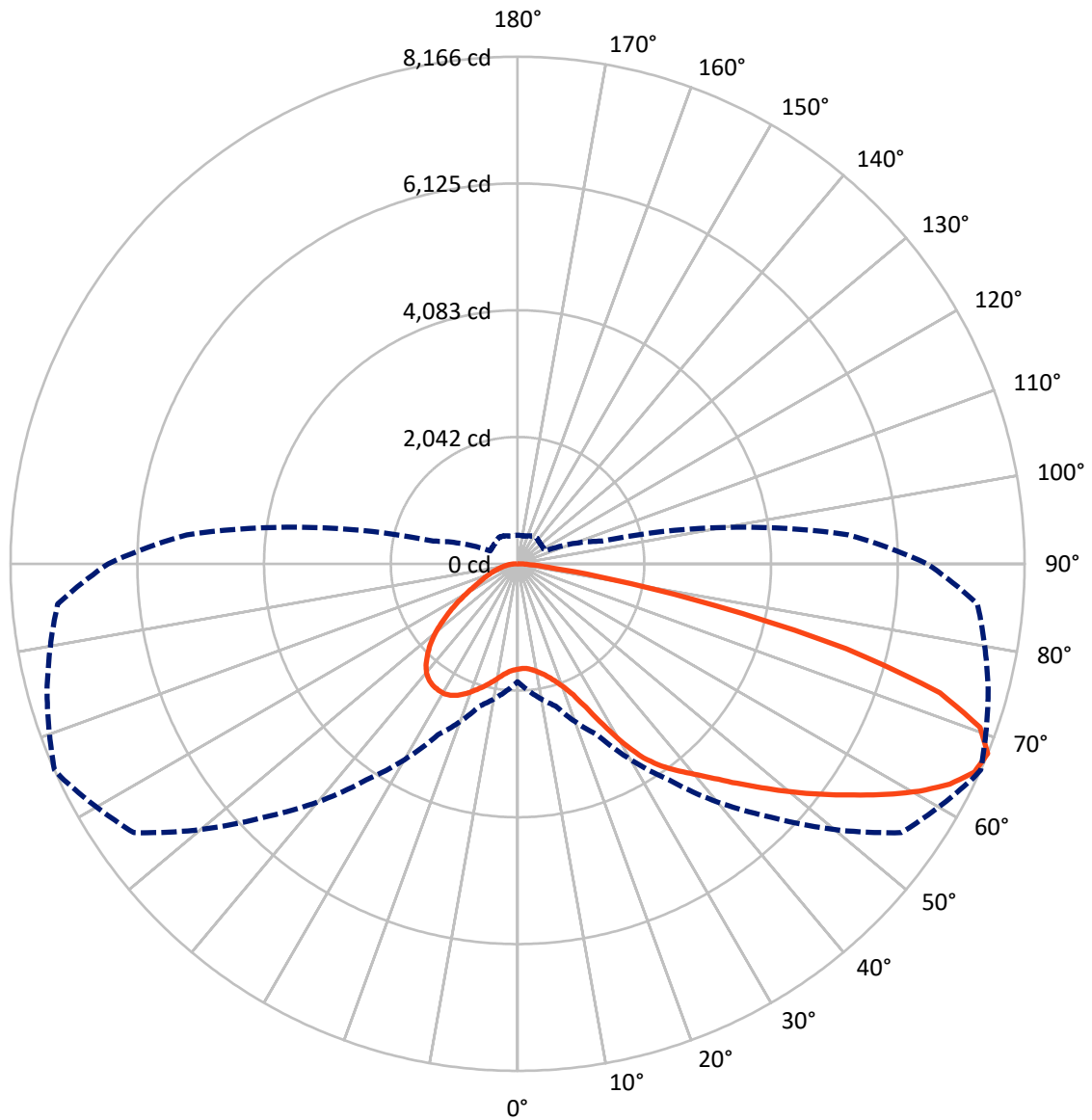
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	3803.8	0.0	3803.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11494.2	0.0	11494.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	15298.0	0.0	15298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	1.1
10°-20°	555.8	3.6
20°-30°	1071.3	7.0
30°-40°	1878.3	12.3
40°-50°	2792.5	18.3
50°-60°	3539.7	23.1
60°-70°	3463.5	22.6
70°-80°	1652.1	10.8
80°-90°	176.6	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°	15298.0	100.0
0°-180°	15298.0	100.0

Coefficient of Utilization

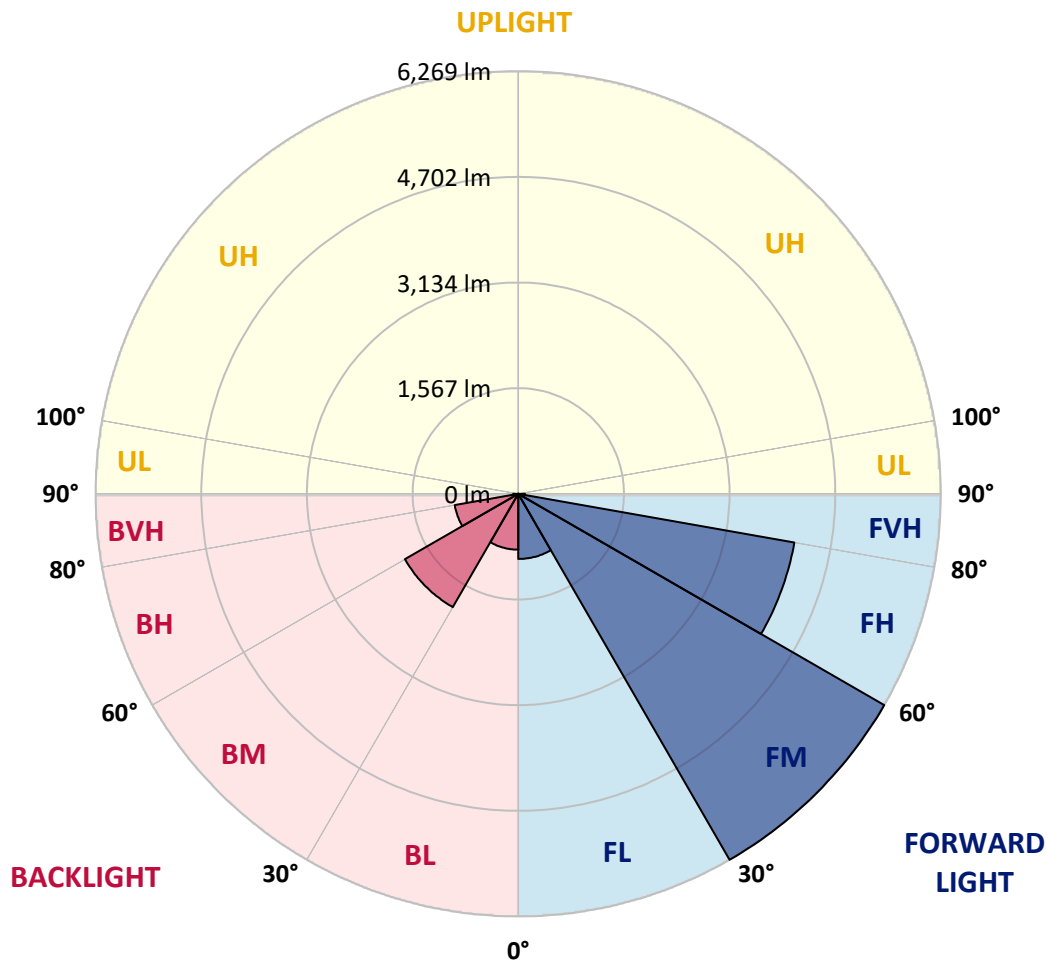


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.7	6.3			
FM (30°-60°)	6269.0	41.0			
FH (60°-80°)	4158.4	27.2			G2/5000
FVH (80°-90°)	100.1	0.7			G2/225
BL (0°-30°)	828.6	5.4	B2/1000		
BM (30°-60°)	1941.5	12.7	B2/2500		
BH (60°-80°)	957.2	6.3	B2/1000		G2/1000
BVH (80°-90°)	76.5	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°	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8
2.5°	1679.1	1688.7	1686.3	1682.3	1681.5	1683.1	1685.5	1687.9	1687.1	1691.1
5°	1674.2	1683.9	1683.1	1683.1	1686.3	1692.7	1696.8	1700.8	1696.8	1701.6
7.5°	1677.5	1684.7	1687.9	1691.1	1699.2	1711.2	1720.9	1729.7	1724.9	1730.5
10°	1718.5	1724.1	1727.3	1727.3	1732.9	1746.6	1756.2	1772.3	1768.3	1777.1
12.5°	1793.2	1798.8	1798.8	1795.6	1799.6	1808.5	1811.7	1829.4	1822.1	1836.6
15°	1884.8	1896.1	1887.2	1881.6	1883.2	1892.1	1891.3	1904.9	1897.7	1909.7
17.5°	1986.1	2000.6	1986.1	1985.3	1982.1	1991.7	1992.5	2004.6	1991.7	2000.6
20°	2105.9	2126.0	2113.9	2117.9	2110.7	2114.7	2118.7	2136.4	2116.3	2122.7
22.5°	2274.7	2298.8	2285.9	2301.2	2296.4	2293.1	2292.3	2323.7	2292.3	2294.8
25°	2520.6	2549.5	2527.0	2547.9	2547.9	2558.4	2570.4	2610.6	2558.4	2543.1
27.5°	2883.9	2912.8	2868.6	2881.5	2877.5	2903.2	2890.3	2990.0	2933.7	2908.8
30°	3321.2	3372.6	3289.0	3285.8	3281.8	3322.8	3341.3	3407.2	3350.1	3325.2
32.5°	3793.8	3847.6	3748.0	3719.0	3703.8	3728.7	3713.4	3766.4	3727.1	3688.5
35°	4293.7	4346.8	4251.9	4195.7	4134.6	4082.3	4027.7	4041.3	4004.4	3945.7
37.5°	4766.3	4863.6	4763.1	4702.8	4590.3	4488.2	4335.5	4272.0	4237.5	4183.6
40°	5247.8	5303.2	5226.9	5175.5	5053.3	4893.3	4649.0	4514.8	4468.1	4415.9
42.5°	5602.3	5655.3	5614.3	5578.9	5483.3	5297.6	4981.7	4813.8	4746.2	4687.6
45°	5883.6	5923.0	5897.2	5910.1	5869.1	5689.1	5326.6	5134.5	5064.5	4993.0
47.5°	5996.9	6038.7	6079.7	6156.0	6226.0	6093.4	5697.1	5481.7	5407.7	5334.6
50°	5984.0	6026.6	6145.6	6308.0	6525.0	6480.8	6087.7	5851.4	5783.1	5699.5
52.5°	5881.2	5929.4	6082.1	6352.2	6697.8	6770.9	6485.6	6233.2	6168.9	6069.2
55°	5611.1	5640.0	5869.1	6251.7	6738.8	6973.5	6875.4	6639.9	6575.6	6436.6
57.5°	5110.3	5152.1	5485.7	5980.8	6635.9	7110.9	7217.8	7067.5	7005.6	6805.5
60°	4456.9	4523.6	4905.4	5525.9	6373.9	7110.1	7528.9	7487.9	7436.4	7168.8
62.5°	3717.4	3794.6	4161.9	4882.9	5915.7	6908.4	7723.4	7839.9	7813.4	7504.0
65°	2855.0	2908.0	3273.7	4051.0	5202.8	6475.1	7745.9	8080.3	8085.1	7758.8
67.5°	1900.9	2053.6	2371.1	3039.8	4247.9	5767.0	7548.2	8119.6	8166.3	7846.4
70°	927.5	1128.5	1439.5	1975.7	3039.8	4681.1	7031.3	7796.5	7900.2	7590.8
72.5°	385.0	450.1	619.7	975.0	1745.0	3158.8	5992.9	6920.4	7112.5	6725.9
75°	259.6	281.3	354.5	499.9	794.9	1557.7	4321.9	5160.2	5469.6	5079.8
77.5°	200.1	213.8	258.0	349.6	472.6	589.2	2313.2	3109.8	3269.7	3027.0
80°	157.5	168.0	192.9	254.8	335.2	315.1	788.5	1409.0	1501.4	1259.5
82.5°	136.6	140.7	138.2	172.8	222.6	184.1	258.8	520.0	573.9	416.4
85°	98.9	110.1	114.9	106.9	118.2	93.2	106.1	184.1	202.5	180.8
87.5°	40.2	59.5	73.1	69.1	43.4	26.5	33.0	53.9	61.9	67.5
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°
1696.8	0°	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8	1696.8
1697.6	2.5°	1698.4	1704.0	1708.0	1712.8	1716.0	1720.9	1730.5	1736.1	1736.9	1741.0
1710.4	5°	1713.6	1721.7	1730.5	1743.4	1757.8	1769.9	1788.4	1801.2	1806.1	1810.1
1741.8	7.5°	1746.6	1757.8	1773.9	1796.4	1817.3	1833.4	1855.9	1871.2	1886.4	1892.1
1791.6	10°	1795.6	1811.7	1835.0	1865.5	1888.0	1908.9	1932.3	1945.1	1960.4	1966.8
1851.1	12.5°	1856.7	1873.6	1904.1	1946.7	1967.6	1982.1	1990.1	1986.9	1990.1	1995.8
1922.6	15°	1926.6	1945.1	1979.7	2025.5	2040.0	2027.1	2009.4	1993.3	1990.9	1992.5
2009.4	17.5°	2009.4	2023.1	2063.3	2101.8	2091.4	2038.4	1999.8	1974.0	1961.2	1957.2
2120.3	20°	2125.2	2125.2	2158.1	2182.2	2112.3	2022.3	1962.0	1920.2	1893.7	1882.4
2271.4	22.5°	2265.8	2253.0	2273.9	2257.0	2108.3	1977.3	1893.7	1821.3	1781.1	1765.1
2482.8	25°	2444.3	2429.0	2423.4	2318.9	2079.3	1905.7	1769.9	1682.3	1646.9	1638.1
2787.5	27.5°	2713.5	2674.9	2601.8	2352.6	2026.3	1793.2	1625.2	1544.0	1523.9	1524.7
3178.9	30°	3072.0	2994.8	2815.6	2358.2	1939.5	1634.1	1477.3	1419.5	1409.8	1413.8
3507.6	32.5°	3403.9	3330.8	3034.2	2332.5	1806.1	1478.1	1344.7	1306.1	1291.7	1296.5
3758.4	35°	3664.4	3644.3	3236.8	2296.4	1642.1	1331.8	1225.7	1192.8	1164.7	1158.2
3994.7	37.5°	3910.3	3902.3	3388.7	2245.7	1479.7	1228.2	1130.1	1086.7	1045.7	1023.2
4255.9	40°	4180.4	4172.4	3488.3	2167.8	1335.9	1138.1	1044.1	987.0	936.4	895.4
4551.7	42.5°	4484.2	4436.8	3535.8	2056.0	1213.7	1061.8	974.2	897.0	830.3	792.5
4886.1	45°	4816.2	4709.3	3535.0	1913.8	1110.8	991.8	899.4	790.1	728.2	692.8
5229.3	47.5°	5168.2	4969.7	3491.6	1756.2	1011.1	914.7	783.7	700.1	659.1	637.4
5602.3	50°	5531.5	5213.2	3417.6	1575.4	909.1	827.1	711.3	654.3	622.9	602.8
5972.0	52.5°	5873.1	5434.3	3328.4	1370.4	805.4	741.9	679.2	635.0	602.0	579.5
6330.5	55°	6190.6	5624.8	3202.2	1160.6	721.0	684.8	663.9	626.9	589.2	562.6
6694.6	57.5°	6472.7	5748.5	2984.4	963.7	660.7	645.4	647.8	613.3	569.9	547.4
7053.0	60°	6707.4	5839.4	2662.1	781.3	611.7	606.8	622.9	587.6	536.9	511.2
7356.1	62.5°	6848.1	5837.8	2266.6	639.8	569.9	571.5	590.0	555.4	504.0	479.8
7514.4	65°	6836.0	5694.7	1832.6	547.4	529.7	531.3	555.4	520.0	476.6	462.2
7434.8	67.5°	6594.1	5345.8	1405.8	487.1	485.5	492.7	520.8	495.9	459.8	458.1
6960.6	70°	5939.0	4621.7	1012.7	438.9	439.7	450.1	487.1	480.7	450.9	454.1
5852.2	72.5°	4762.3	3523.7	680.0	388.2	389.0	405.9	454.9	468.6	442.1	484.7
4152.3	75°	3171.7	2197.5	437.2	334.4	335.2	356.9	426.8	445.3	418.0	483.1
2160.5	77.5°	1523.9	987.8	316.7	281.3	281.3	301.4	368.9	398.7	356.1	375.4
694.5	80°	526.5	371.3	249.2	226.7	221.8	235.5	311.1	345.6	307.0	282.9
226.7	82.5°	207.4	192.9	200.1	176.0	159.9	168.8	241.9	285.3	225.9	204.2
127.8	85°	119.0	125.4	141.5	116.5	92.4	103.7	177.6	205.0	170.4	150.3
41.8	87.5°	32.2	44.2	65.1	60.3	41.8	44.2	84.4	113.3	98.1	75.6
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°
1696.8
1740.2
1809.3
1892.9
1970.0
1997.4
1998.2
1962.8
1880.0
1762.7
1639.7
1527.2
1427.5
1302.9
1163.0
1024.0
899.4
794.9
691.2
632.6
595.6
569.9
552.2
532.9
499.9
472.6
461.4
460.6
453.3
491.1
487.1
344.0
265.2
203.4
153.5
78.0
0.0

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