

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: P847808

Luminaire Tested: **GLAN-SB4A-827-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847808  
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-SB4A-827-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14344 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

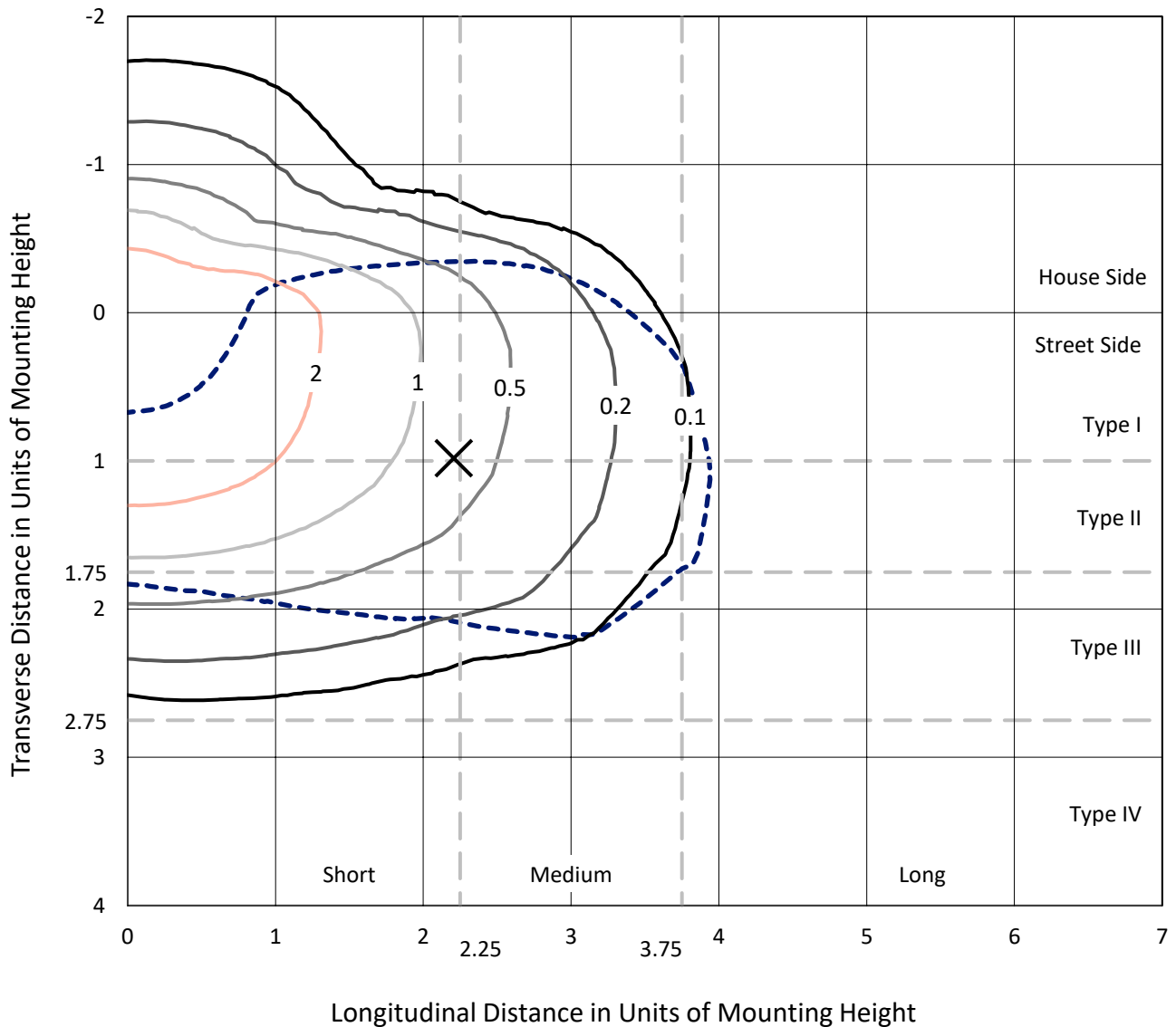
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

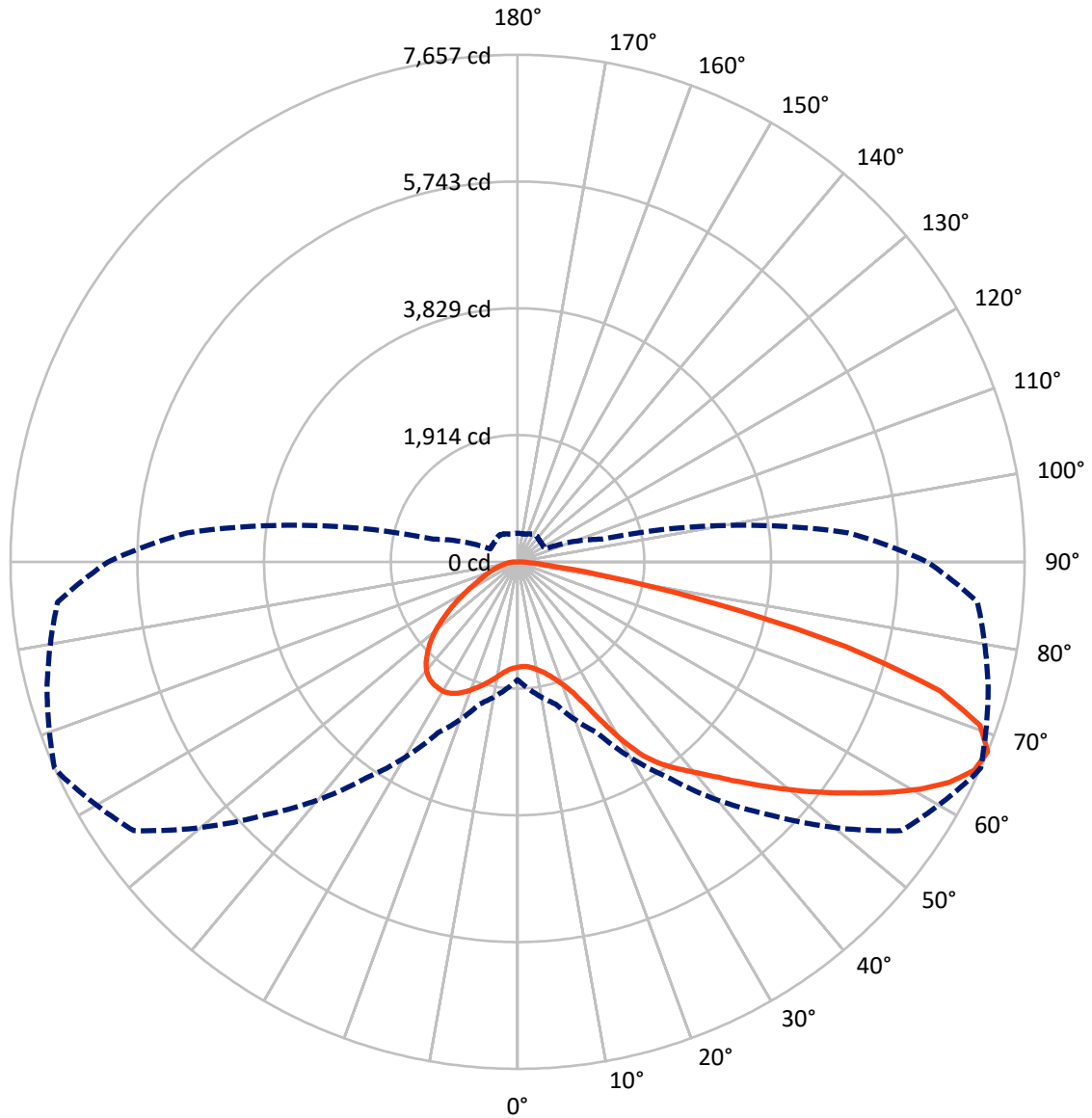
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	3566.6	0.0	3566.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	10777.4	0.0	10777.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	14344.0	0.0	14344.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	1.1
10°-20°	521.1	3.6
20°-30°	1004.5	7.0
30°-40°	1761.2	12.3
40°-50°	2618.3	18.3
50°-60°	3319.0	23.1
60°-70°	3247.5	22.6
70°-80°	1549.1	10.8
80°-90°	165.6	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°	14344.0	100.0
0°-180°	14344.0	100.0

**Coefficient of Utilization**



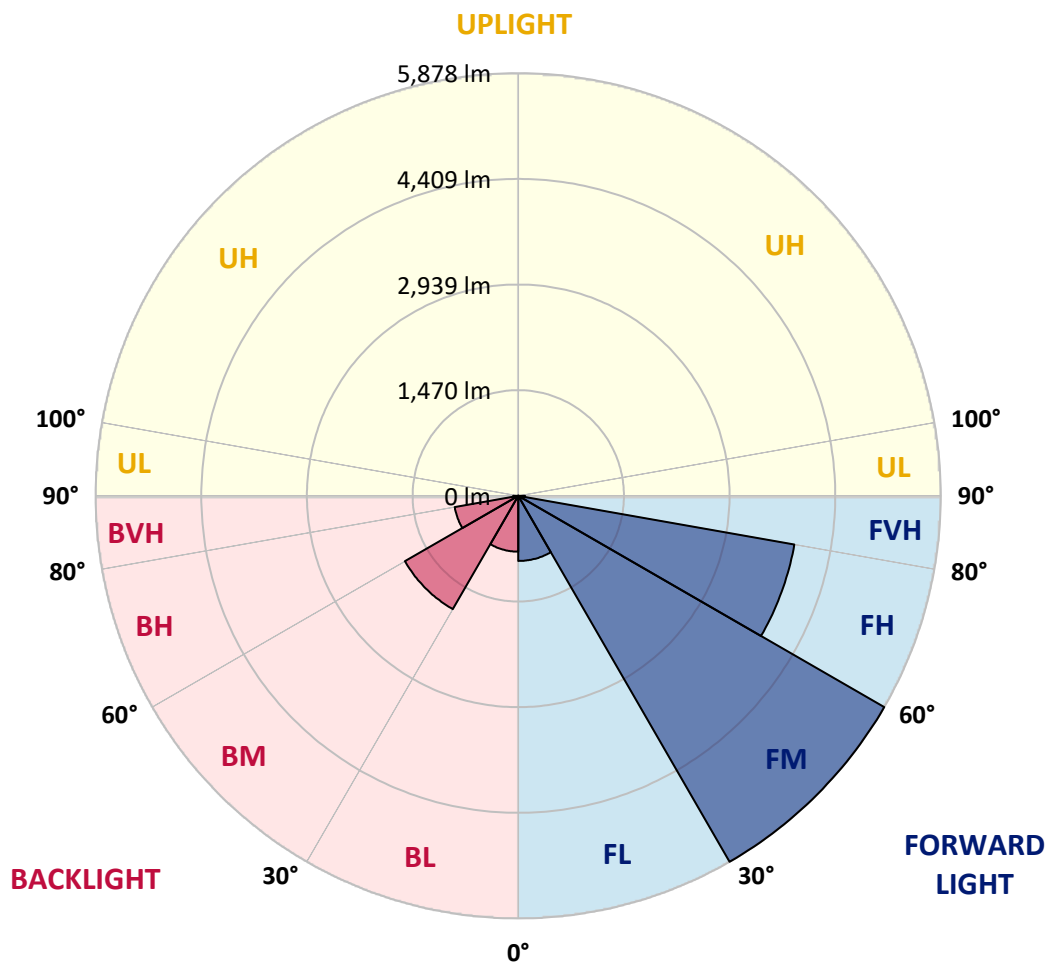
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	906.4	6.3			
FM (30°-60°)	5878.0	41.0			
FH (60°-80°)	3899.1	27.2			G2/5000
FVH (80°-90°)	93.9	0.7			G1/100
BL (0°-30°)	776.9	5.4	B2/1000		
BM (30°-60°)	1820.4	12.7	B2/2500		
BH (60°-80°)	897.5	6.3	B2/1000		G2/1000
BVH (80°-90°)	71.7	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°	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9
2.5°	1574.4	1583.4	1581.1	1577.4	1576.6	1578.1	1580.4	1582.6	1581.9	1585.7
5°	1569.8	1578.9	1578.1	1578.1	1581.1	1587.2	1590.9	1594.7	1590.9	1595.5
7.5°	1572.9	1579.6	1582.6	1585.7	1593.2	1604.5	1613.5	1621.8	1617.3	1622.6
10°	1611.3	1616.6	1619.6	1619.6	1624.9	1637.7	1646.7	1661.8	1658.0	1666.3
12.5°	1681.4	1686.7	1686.7	1683.6	1687.4	1695.7	1698.7	1715.3	1708.5	1722.1
15°	1767.3	1777.8	1769.6	1764.3	1765.8	1774.1	1773.3	1786.1	1779.3	1790.7
17.5°	1862.3	1875.8	1862.3	1861.5	1858.5	1867.5	1868.3	1879.6	1867.5	1875.8
20°	1974.5	1993.4	1982.1	1985.8	1979.1	1982.8	1986.6	2003.2	1984.3	1990.4
22.5°	2132.8	2155.4	2143.4	2157.7	2153.2	2150.1	2149.4	2178.8	2149.4	2151.6
25°	2363.4	2390.6	2369.5	2389.0	2389.0	2398.8	2410.1	2447.8	2398.8	2384.5
27.5°	2704.1	2731.2	2689.7	2701.8	2698.0	2722.2	2710.1	2803.5	2750.8	2727.4
30°	3114.1	3162.3	3083.9	3080.9	3077.1	3115.6	3132.9	3194.7	3141.2	3117.8
32.5°	3557.2	3607.7	3514.2	3487.1	3472.8	3496.1	3481.8	3531.6	3494.6	3458.5
35°	4026.0	4075.7	3986.8	3934.0	3876.7	3827.7	3776.5	3789.3	3754.6	3699.6
37.5°	4469.1	4560.3	4466.1	4409.6	4304.1	4208.3	4065.1	4005.6	3973.2	3922.7
40°	4920.5	4972.5	4900.9	4852.7	4738.1	4588.2	4359.1	4233.2	4189.5	4140.5
42.5°	5252.9	5302.6	5264.2	5231.0	5141.3	4967.3	4671.1	4513.6	4450.3	4395.2
45°	5516.7	5553.6	5529.5	5541.5	5503.1	5334.3	4994.4	4814.3	4748.7	4681.6
47.5°	5622.9	5662.1	5700.6	5772.1	5837.7	5713.4	5341.8	5139.8	5070.5	5001.9
50°	5610.9	5650.8	5762.3	5914.6	6118.1	6076.6	5708.1	5486.5	5422.5	5344.1
52.5°	5514.4	5559.6	5702.8	5956.0	6280.1	6348.7	6081.1	5844.5	5784.2	5690.8
55°	5261.2	5288.3	5503.1	5861.8	6318.5	6538.6	6446.7	6225.8	6165.5	6035.2
57.5°	4791.7	4830.8	5143.6	5607.9	6222.1	6667.5	6767.7	6626.8	6568.7	6381.1
60°	4178.9	4241.5	4599.5	5181.3	5976.4	6666.7	7059.4	7020.9	6972.7	6721.7
62.5°	3485.6	3557.9	3902.4	4578.4	5546.8	6477.6	7241.8	7351.0	7326.2	7036.0
65°	2676.9	2726.7	3069.6	3798.4	4878.3	6071.3	7262.9	7576.4	7580.9	7274.9
67.5°	1782.4	1925.6	2223.2	2850.3	3983.0	5407.4	7077.5	7613.3	7657.0	7357.1
70°	869.7	1058.1	1349.8	1852.5	2850.3	4389.2	6592.9	7310.3	7407.6	7117.4
72.5°	361.0	422.0	581.1	914.2	1636.2	2961.8	5619.2	6488.9	6669.0	6306.5
75°	243.4	263.8	332.4	468.8	745.4	1460.6	4052.3	4838.4	5128.5	4763.0
77.5°	187.7	200.5	241.9	327.8	443.1	552.4	2169.0	2915.8	3065.8	2838.2
80°	147.7	157.5	180.9	238.9	314.3	295.4	739.3	1321.1	1407.8	1181.0
82.5°	128.1	131.9	129.6	162.0	208.8	172.6	242.7	487.6	538.1	390.4
85°	92.7	103.2	107.8	100.2	110.8	87.4	99.5	172.6	189.9	169.6
87.5°	37.7	55.8	68.6	64.8	40.7	24.9	30.9	50.5	58.0	63.3
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°
1590.9	0°	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9	1590.9
1591.7	2.5°	1592.4	1597.7	1601.5	1606.0	1609.0	1613.5	1622.6	1627.9	1628.6	1632.4
1603.8	5°	1606.8	1614.3	1622.6	1634.7	1648.2	1659.5	1676.9	1688.9	1693.4	1697.2
1633.1	7.5°	1637.7	1648.2	1663.3	1684.4	1704.0	1719.1	1740.2	1754.5	1768.8	1774.1
1679.9	10°	1683.6	1698.7	1720.6	1749.2	1770.3	1789.9	1811.8	1823.8	1838.1	1844.2
1735.6	12.5°	1740.9	1756.7	1785.4	1825.3	1844.9	1858.5	1866.0	1863.0	1866.0	1871.3
1802.7	15°	1806.5	1823.8	1856.2	1899.2	1912.7	1900.7	1884.1	1869.0	1866.8	1868.3
1884.1	17.5°	1884.1	1896.9	1934.6	1970.8	1961.0	1911.2	1875.1	1850.9	1838.9	1835.1
1988.1	20°	1992.6	1992.6	2023.5	2046.1	1980.6	1896.2	1839.6	1800.5	1775.6	1765.0
2129.8	22.5°	2124.5	2112.5	2132.1	2116.2	1976.8	1854.0	1775.6	1707.8	1670.1	1655.0
2328.0	25°	2291.8	2277.5	2272.2	2174.3	1949.7	1786.9	1659.5	1577.4	1544.2	1535.9
2613.6	27.5°	2544.3	2508.1	2439.5	2205.9	1899.9	1681.4	1523.9	1447.7	1428.9	1429.7
2980.7	30°	2880.4	2808.1	2640.0	2211.2	1818.5	1532.2	1385.2	1330.9	1321.9	1325.7
3288.9	32.5°	3191.7	3123.1	2845.0	2187.1	1693.4	1385.9	1260.8	1224.7	1211.1	1215.6
3524.0	35°	3435.9	3417.0	3034.9	2153.2	1539.7	1248.8	1149.3	1118.4	1092.0	1086.0
3745.6	37.5°	3666.5	3658.9	3177.4	2105.7	1387.5	1151.6	1059.6	1018.9	980.5	959.4
3990.5	40°	3919.7	3912.2	3270.8	2032.6	1252.6	1067.2	979.0	925.5	878.0	839.6
4267.9	42.5°	4204.6	4160.1	3315.3	1927.8	1138.0	995.6	913.4	841.1	778.5	743.1
4581.4	45°	4515.8	4415.6	3314.5	1794.4	1041.5	930.0	843.3	740.8	682.8	649.6
4903.2	47.5°	4845.9	4659.8	3273.8	1646.7	948.1	857.6	734.8	656.4	618.0	597.6
5252.9	50°	5186.6	4888.1	3204.5	1477.1	852.4	775.5	667.0	613.5	584.1	565.2
5599.6	52.5°	5506.9	5095.4	3120.8	1285.0	755.1	695.6	636.8	595.4	564.5	543.4
5935.7	55°	5804.6	5274.0	3002.5	1088.3	676.0	642.1	622.5	587.8	552.4	527.5
6277.1	57.5°	6069.1	5390.1	2798.3	903.6	619.5	605.2	607.4	575.0	534.3	513.2
6613.2	60°	6289.1	5475.2	2496.1	732.5	573.5	569.0	584.1	550.9	503.4	479.3
6897.3	62.5°	6421.0	5473.7	2125.3	599.9	534.3	535.8	553.2	520.8	472.5	449.9
7045.8	65°	6409.7	5339.6	1718.3	513.2	496.7	498.2	520.8	487.6	446.9	433.3
6971.2	67.5°	6182.9	5012.5	1318.1	456.7	455.2	462.0	488.4	465.0	431.1	429.6
6526.5	70°	5568.7	4333.4	949.6	411.5	412.2	422.0	456.7	450.7	422.8	425.8
5487.3	72.5°	4465.3	3304.0	637.6	364.0	364.8	380.6	426.6	439.4	414.5	454.4
3893.3	75°	2973.9	2060.5	410.0	313.5	314.3	334.6	400.2	417.5	391.9	452.9
2025.8	77.5°	1428.9	926.2	296.9	263.8	263.8	282.6	345.9	373.8	333.9	352.0
651.1	80°	493.6	348.2	233.6	212.5	208.0	220.8	291.7	324.1	287.9	265.3
212.5	82.5°	194.4	180.9	187.7	165.0	150.0	158.3	226.8	267.5	211.8	191.4
119.8	85°	111.5	117.6	132.6	109.3	86.7	97.2	166.6	192.2	159.8	140.9
39.2	87.5°	30.1	41.5	61.0	56.5	39.2	41.5	79.1	106.3	91.9	70.8
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°
1590.9
1631.6
1696.4
1774.8
1847.2
1872.8
1873.6
1840.4
1762.8
1652.7
1537.4
1431.9
1338.5
1221.7
1090.5
960.1
843.3
745.4
648.1
593.1
558.4
534.3
517.8
499.7
468.8
443.1
432.6
431.8
425.1
460.5
456.7
322.6
248.7
190.7
143.9
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0.0

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