

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: P848023

Luminaire Tested: **GLAN-SB4B-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848023
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-SB4B-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14406 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

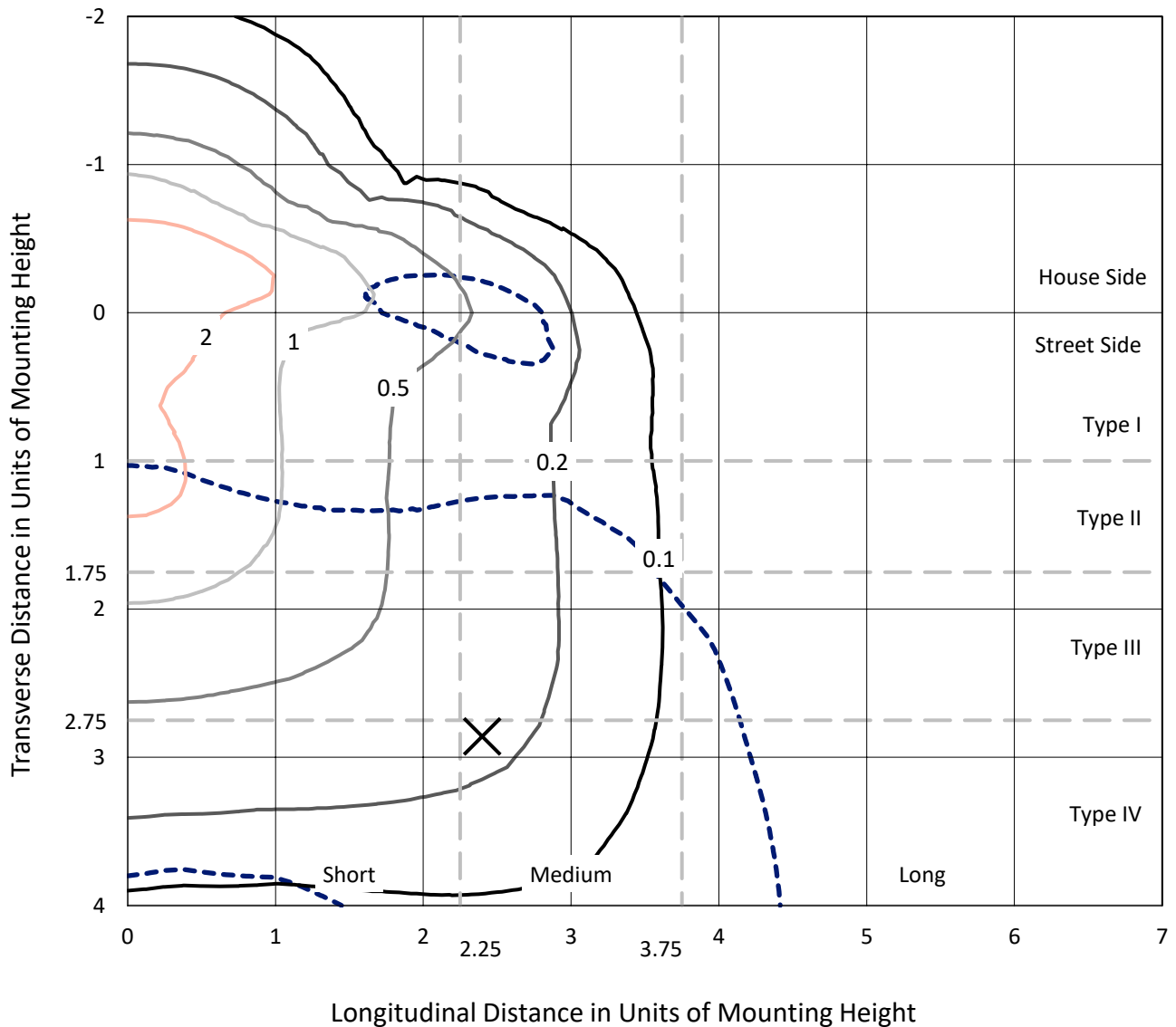
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

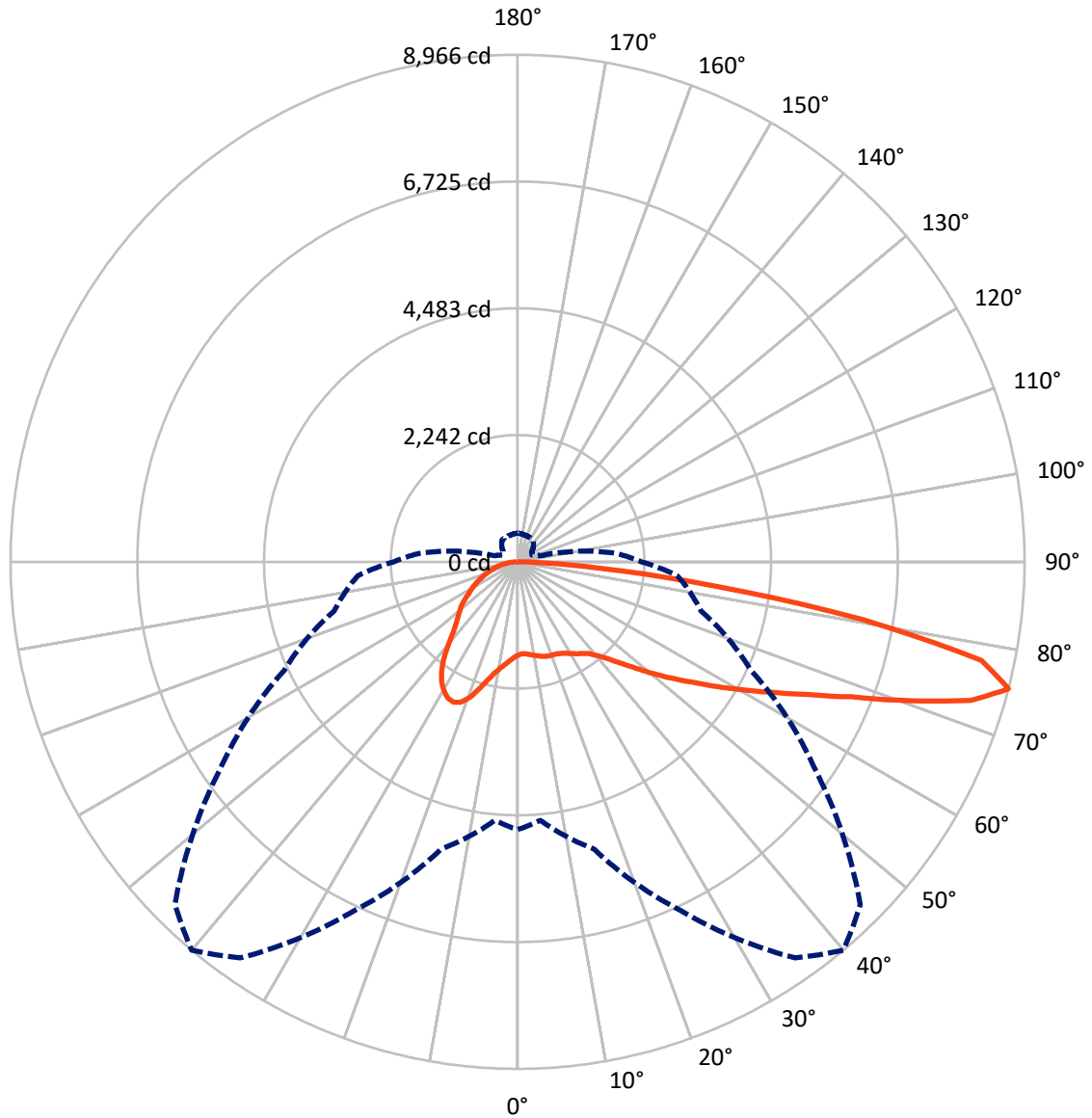
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	4463.5	0.0	4463.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9942.5	0.0	9942.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	14406.0	0.0	14406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	1.1
10°-20°	552.1	3.8
20°-30°	1008.1	7.0
30°-40°	1429.7	9.9
40°-50°	1930.6	13.4
50°-60°	2597.1	18.0
60°-70°	3296.3	22.9
70°-80°	2991.6	20.8
80°-90°	436.1	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°	14406.0	100.0
0°-180°	14406.0	100.0

Coefficient of Utilization

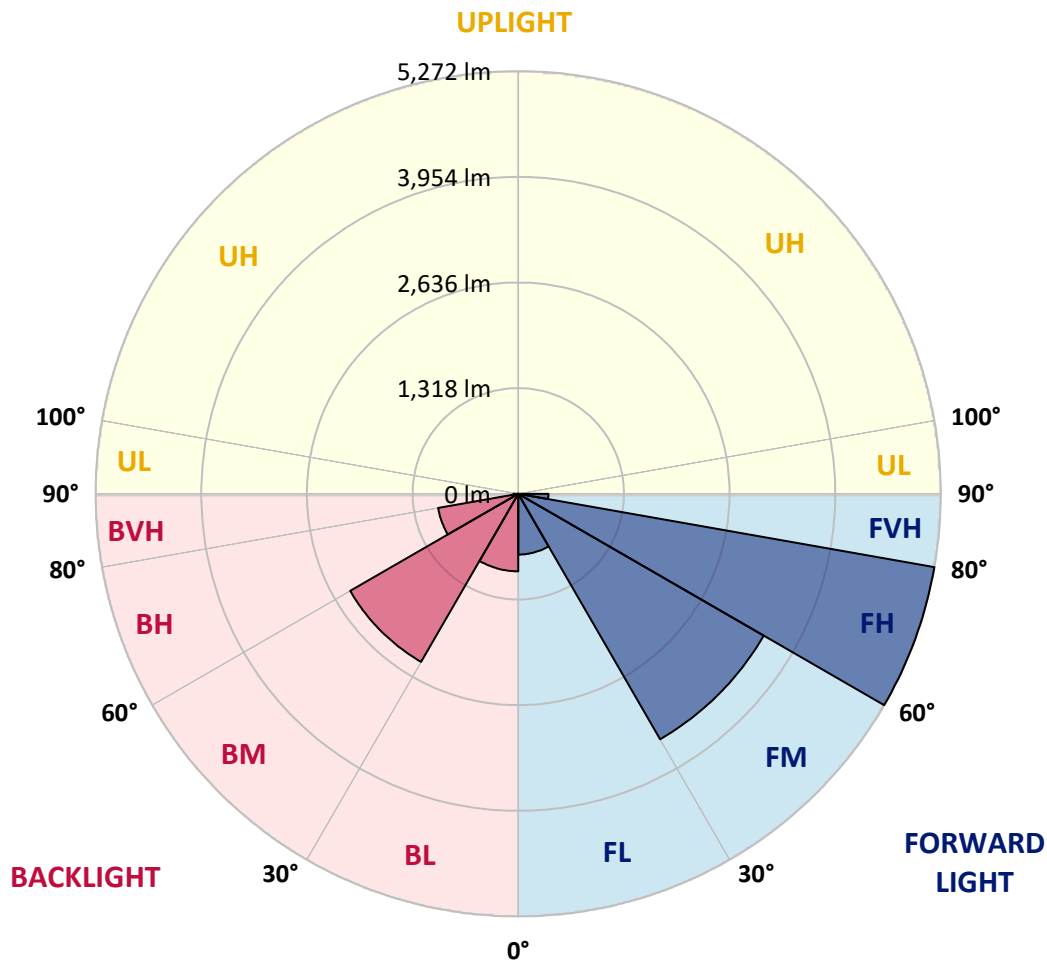


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.8	5.3			
FM (30°-60°)	3536.4	24.5			
FH (60°-80°)	5272.4	36.6			G3/7500
FVH (80°-90°)	376.0	2.6			G3/500
BL (0°-30°)	966.8	6.7	B2/1000		
BM (30°-60°)	2421.0	16.8	B2/2500		
BH (60°-80°)	1015.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	60.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3
2.5°	1622.1	1631.3	1629.0	1626.0	1626.0	1626.7	1626.0	1631.3	1636.6	1642.0
5°	1638.9	1648.1	1643.5	1639.7	1636.6	1635.9	1633.6	1632.8	1635.9	1642.8
7.5°	1671.8	1681.0	1674.1	1667.2	1661.1	1658.0	1655.0	1650.4	1648.1	1651.9
10°	1708.5	1717.6	1709.2	1697.0	1687.1	1683.3	1680.2	1675.6	1672.6	1674.9
12.5°	1745.1	1754.3	1742.9	1726.0	1713.1	1710.8	1706.9	1705.4	1704.7	1703.9
15°	1779.5	1787.2	1772.7	1752.8	1739.0	1735.2	1731.4	1733.7	1737.5	1742.1
17.5°	1806.3	1813.9	1792.5	1766.5	1753.6	1752.0	1749.7	1757.4	1768.1	1779.5
20°	1830.7	1838.4	1810.9	1775.7	1760.4	1760.4	1761.2	1777.2	1792.5	1809.3
22.5°	1865.1	1871.2	1837.6	1789.5	1767.3	1768.8	1774.9	1791.0	1810.1	1833.0
25°	1916.3	1920.9	1879.6	1815.4	1790.2	1794.8	1800.2	1807.8	1826.1	1852.9
27.5°	1998.8	2002.6	1948.4	1861.3	1823.1	1830.7	1838.4	1833.0	1841.4	1864.3
30°	2115.0	2117.3	2048.5	1933.1	1878.9	1882.7	1884.2	1862.1	1846.0	1864.3
32.5°	2252.5	2251.7	2170.0	2020.2	1942.3	1938.5	1925.5	1881.9	1844.5	1860.5
35°	2465.7	2457.3	2351.8	2142.5	2014.1	1990.4	1959.9	1904.1	1852.1	1856.7
37.5°	2818.7	2792.7	2646.8	2342.7	2121.1	2060.7	2015.6	1940.0	1868.9	1855.2
40°	3216.8	3183.9	3023.4	2617.0	2281.5	2184.5	2111.9	1991.2	1896.4	1862.1
42.5°	3689.0	3642.3	3469.7	2940.2	2484.8	2344.2	2234.9	2056.1	1936.9	1884.2
45°	4268.9	4207.0	3962.5	3304.6	2740.7	2553.5	2407.6	2154.7	1998.8	1927.0
47.5°	4854.9	4870.2	4522.6	3721.8	3047.9	2811.8	2623.8	2302.9	2089.0	1995.8
50°	5477.7	5488.3	5079.6	4184.1	3396.3	3103.7	2866.8	2468.7	2214.3	2093.6
52.5°	5963.6	5965.1	5585.4	4667.7	3759.2	3424.6	3128.9	2658.2	2359.5	2223.5
55°	6267.7	6263.9	5939.9	5125.4	4176.4	3761.5	3419.2	2873.7	2536.7	2376.3
57.5°	6488.5	6477.1	6184.4	5518.9	4621.1	4159.6	3747.8	3118.2	2746.1	2558.1
60°	6572.6	6565.7	6350.2	5858.9	5088.7	4599.7	4126.8	3391.7	2983.7	2772.8
62.5°	6604.7	6617.7	6513.0	6188.2	5589.2	5087.2	4543.2	3718.8	3251.1	3015.8
65°	6717.7	6741.4	6720.0	6619.2	6154.6	5658.0	5095.6	4107.7	3543.0	3276.4
67.5°	6941.6	6965.3	6974.5	7134.9	6845.3	6369.3	5784.8	4592.1	3884.6	3546.8
70°	6936.3	6929.4	7091.4	7545.2	7710.3	7354.2	6713.9	5188.1	4291.8	3771.5
72.5°	6313.6	6258.5	6641.3	7540.7	8430.0	8382.7	7848.6	5956.7	4643.3	3799.0
75°	4736.5	4589.8	5266.0	6795.7	8550.0	8966.4	8569.9	6433.5	4560.0	3356.6
77.5°	2025.6	1878.1	2675.0	5030.7	7652.2	8381.9	7908.2	5612.9	3640.1	2219.6
80°	530.3	529.5	808.4	2280.8	5204.1	6189.8	5430.3	3624.8	2079.8	793.1
82.5°	219.3	213.9	297.2	887.1	2542.8	3473.5	2834.7	1616.8	751.1	214.7
85°	81.8	81.0	144.4	306.4	897.0	1432.6	1036.8	413.4	187.2	104.7
87.5°	22.9	22.2	31.3	106.2	218.5	331.6	177.3	68.0	52.7	41.3
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°
1647.3	0°	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3	1647.3
1650.4	2.5°	1652.7	1656.5	1663.4	1668.7	1675.6	1683.3	1694.0	1700.8	1707.7	1712.3
1654.2	5°	1659.6	1668.0	1685.5	1703.1	1723.8	1742.9	1765.0	1781.1	1794.0	1797.9
1668.0	7.5°	1674.9	1688.6	1718.4	1748.2	1781.1	1812.4	1844.5	1872.0	1894.1	1902.5
1692.4	10°	1701.6	1719.9	1762.0	1804.0	1847.5	1895.7	1936.9	1976.7	2008.0	2021.0
1721.5	12.5°	1735.2	1758.1	1813.1	1871.2	1931.6	1998.1	2051.5	2100.4	2139.4	2157.0
1762.0	15°	1778.8	1808.6	1878.9	1956.8	2045.4	2137.9	2205.9	2260.1	2303.7	2325.1
1804.0	17.5°	1826.1	1865.9	1954.5	2072.2	2199.0	2320.5	2400.0	2439.7	2484.8	2505.4
1842.9	20°	1872.0	1920.9	2047.7	2218.9	2387.7	2516.9	2581.0	2591.7	2594.8	2597.1
1879.6	22.5°	1919.4	1985.1	2164.6	2403.8	2584.9	2674.3	2683.4	2637.6	2573.4	2543.6
1915.5	25°	1971.3	2058.4	2317.4	2607.8	2754.5	2765.2	2694.9	2583.3	2461.8	2406.1
1944.6	27.5°	2021.7	2143.2	2500.8	2802.6	2876.7	2782.8	2631.5	2473.3	2326.6	2267.8
1965.2	30°	2072.2	2240.3	2703.3	2973.0	2932.5	2739.2	2531.4	2354.9	2207.4	2145.5
1983.5	32.5°	2123.4	2353.4	2936.3	3096.0	2922.6	2646.8	2406.8	2221.9	2092.0	2027.1
1999.6	35°	2181.4	2492.4	3157.2	3163.3	2856.1	2510.7	2242.6	2063.0	1949.9	1898.0
2018.7	37.5°	2257.1	2668.9	3352.0	3180.1	2740.0	2311.3	2038.6	1875.0	1781.8	1758.1
2047.0	40°	2351.1	2881.3	3501.0	3153.3	2568.1	2069.1	1815.4	1684.8	1632.1	1637.4
2085.2	42.5°	2473.3	3119.0	3605.7	3084.6	2328.9	1819.3	1619.8	1561.8	1587.0	1608.4
2142.5	45°	2632.2	3365.7	3670.6	2967.7	2058.4	1607.6	1504.5	1518.2	1537.3	1539.6
2234.9	47.5°	2835.5	3615.6	3713.4	2791.2	1782.6	1458.6	1431.1	1434.2	1430.3	1414.3
2373.2	50°	3089.2	3858.6	3751.6	2557.4	1548.0	1365.4	1328.7	1318.0	1265.3	1213.4
2557.4	52.5°	3378.0	4081.7	3767.7	2267.0	1365.4	1287.5	1227.9	1160.6	1062.1	1046.0
2788.9	55°	3698.9	4288.0	3726.4	1910.2	1211.8	1187.4	1097.2	1016.2	1005.5	991.8
3093.7	57.5°	4082.5	4510.3	3642.3	1512.1	1054.4	1070.5	982.6	991.8	972.7	951.3
3485.7	60°	4501.9	4740.3	3494.9	1149.2	891.7	924.5	952.8	952.0	946.7	929.1
3899.1	62.5°	4879.4	4891.6	3204.5	880.2	748.8	811.4	888.6	887.9	883.3	873.3
4330.8	65°	5104.0	4868.7	2720.1	693.0	631.1	718.2	801.5	807.6	808.4	807.6
4655.5	67.5°	5064.3	4600.5	2055.4	551.7	534.1	623.5	715.2	723.6	729.7	731.2
4696.8	70°	4615.0	4011.4	1340.2	440.1	447.7	540.2	633.4	641.8	647.2	653.3
4075.6	72.5°	3597.3	2949.3	767.1	356.1	372.1	468.4	552.4	562.4	565.4	576.9
2836.2	75°	2192.1	1734.4	414.1	280.4	305.6	400.4	472.2	483.7	489.0	502.8
1392.9	77.5°	1042.2	751.1	236.1	218.5	246.0	327.0	398.8	411.8	397.3	405.0
384.3	80°	352.2	278.9	149.0	166.6	188.0	255.2	319.4	332.4	301.8	300.3
127.6	82.5°	123.0	113.1	94.7	110.8	121.5	182.6	241.4	258.3	224.6	223.9
57.3	85°	48.1	45.8	52.7	60.4	72.6	112.3	158.9	167.3	138.3	111.6
16.8	87.5°	9.9	10.7	13.0	13.8	22.2	39.0	57.3	70.3	55.8	47.4
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°
1647.3
1709.2
1799.4
1903.3
2021.7
2157.0
2323.6
2504.6
2603.2
2552.0
2414.5
2274.7
2152.4
2035.5
1909.4
1774.9
1655.8
1628.2
1554.9
1426.5
1220.2
1051.4
994.1
947.5
923.0
869.5
807.6
732.7
656.3
581.5
504.3
398.8
297.2
213.2
110.0
43.6
0.0

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