

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: P852311

Luminaire Tested: **GLAN-SB2D-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12953 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

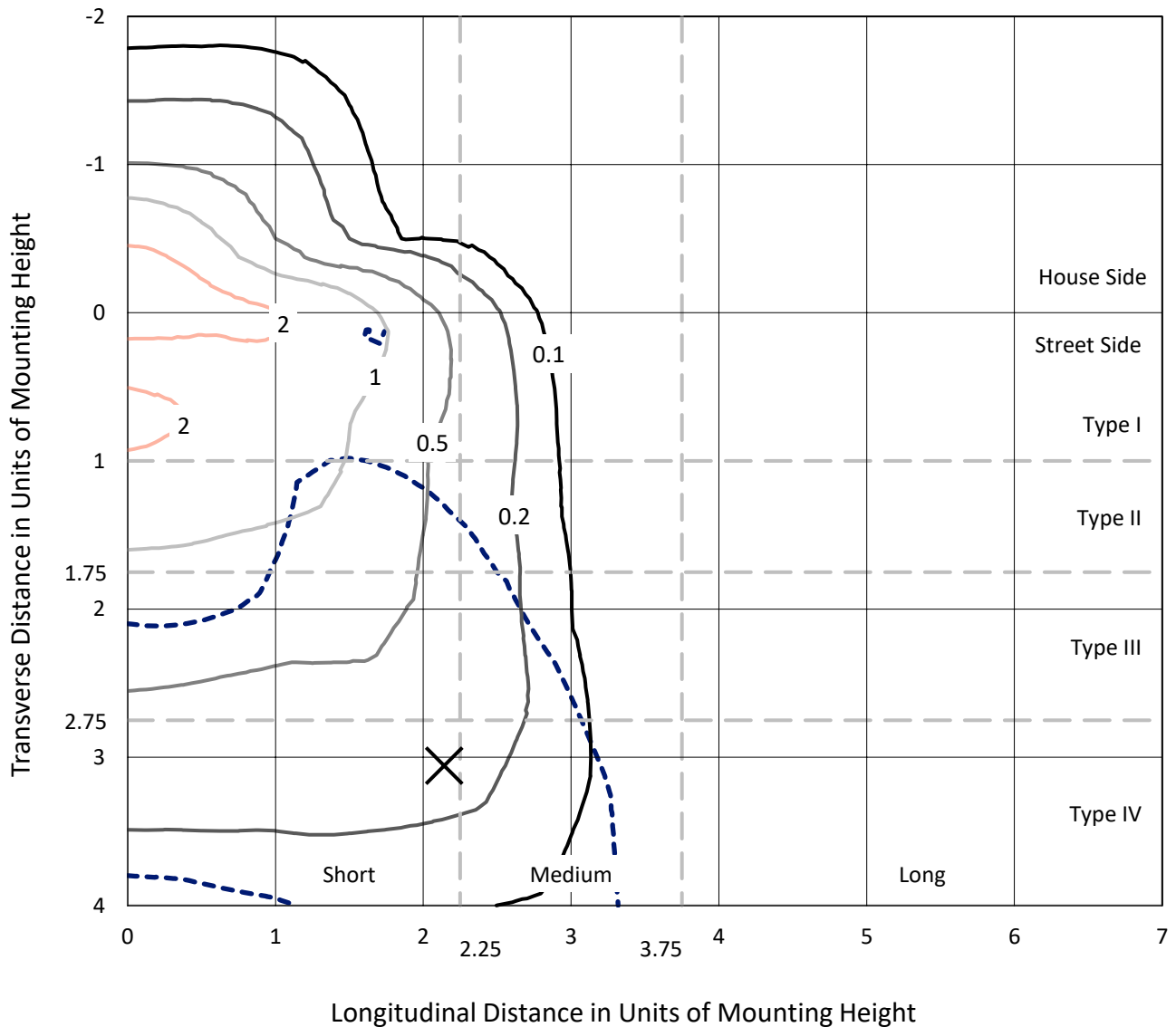
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

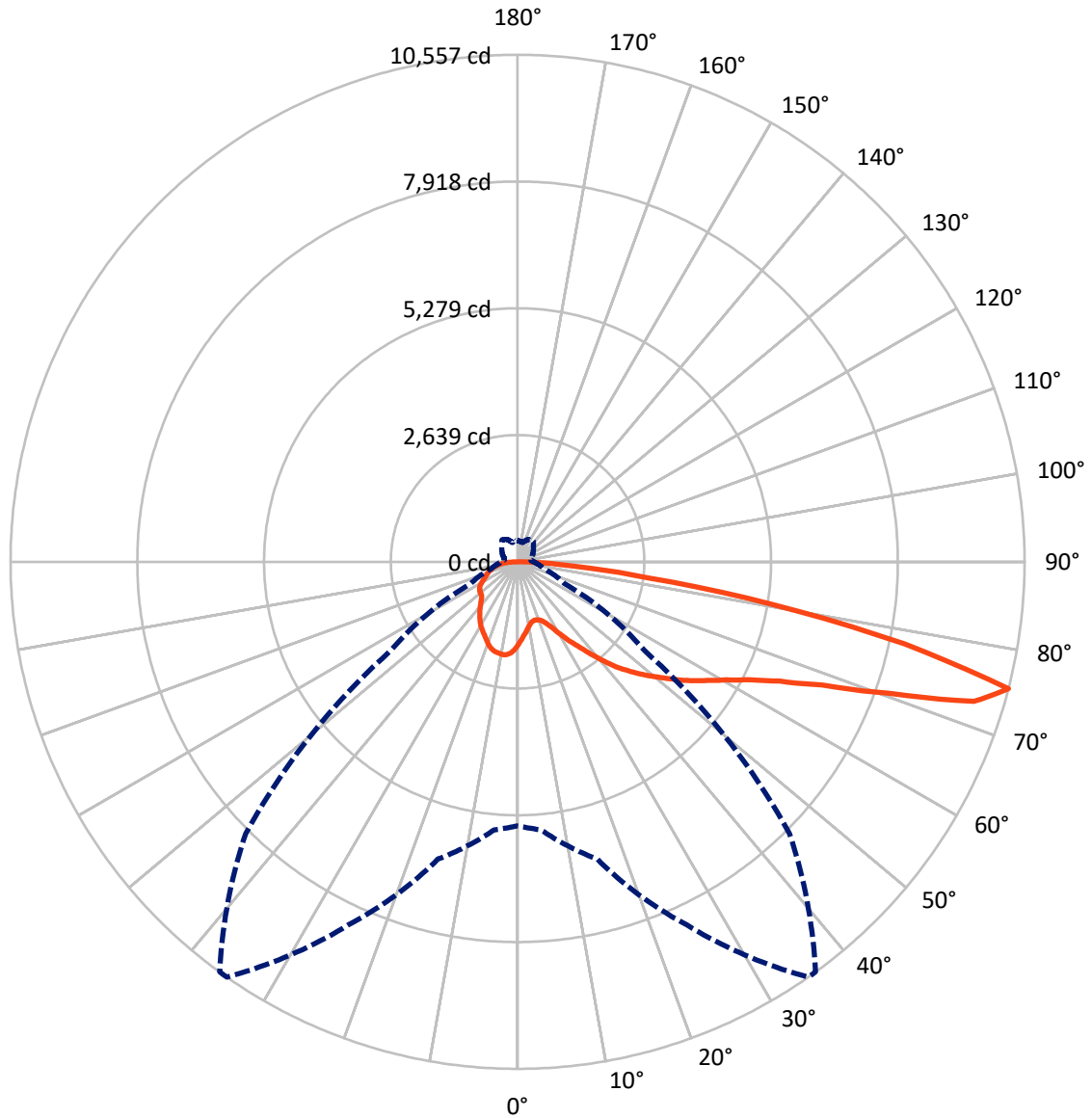
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3082.5	0.0	3082.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9870.5	0.0	9870.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	12953.0	0.0	12953.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	1.3
10°-20°	471.4	3.6
20°-30°	791.6	6.1
30°-40°	1230.2	9.5
40°-50°	1826.0	14.1
50°-60°	2520.9	19.5
60°-70°	3058.4	23.6
70°-80°	2527.5	19.5
80°-90°	363.5	2.8
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°	12953.0	100.0
0°-180°	12953.0	100.0

Coefficient of Utilization



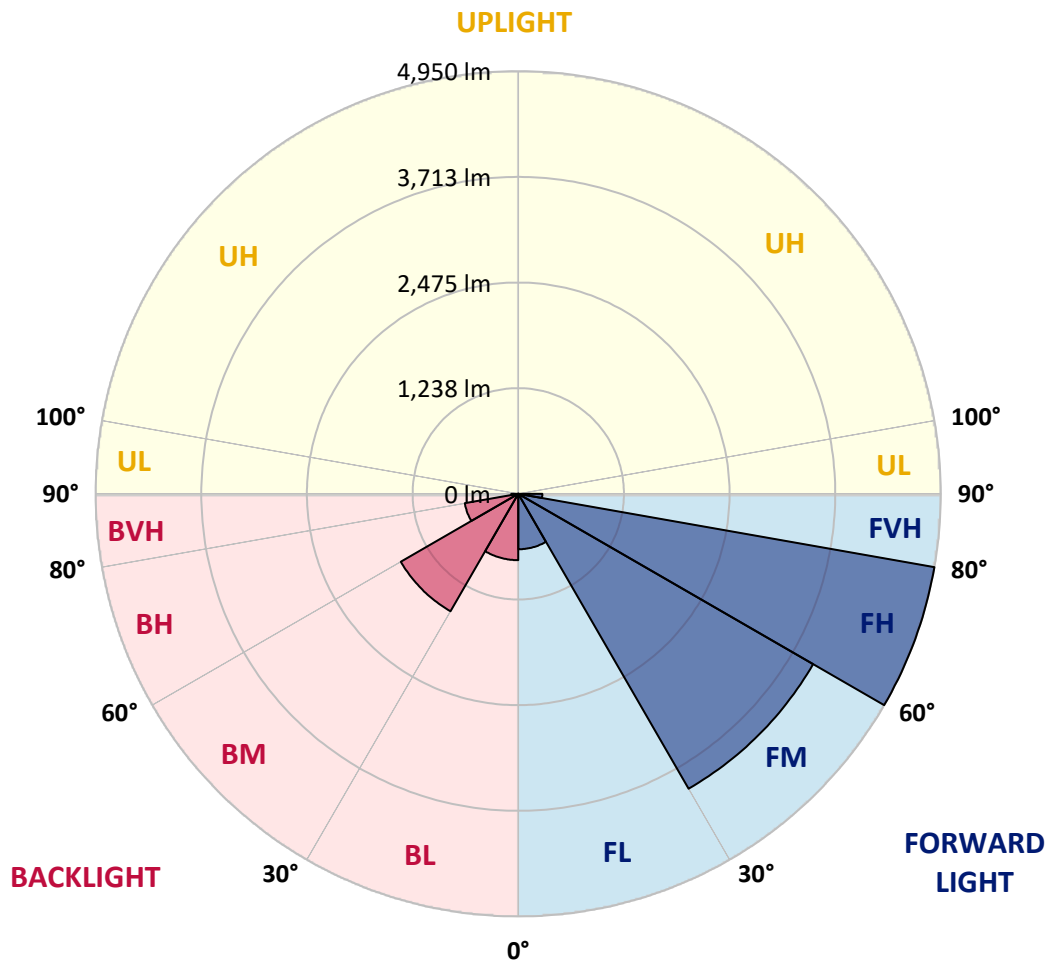
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.6	5.0			
FM (30°-60°)	3988.8	30.8			
FH (60°-80°)	4950.4	38.2			G2/5000
FVH (80°-90°)	281.7	2.2			G3/500
BL (0°-30°)	776.8	6.0	B2/1000		
BM (30°-60°)	1588.3	12.3	B2/2500		
BH (60°-80°)	635.5	4.9	B2/1000		G2/1000
BVH (80°-90°)	81.9	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1
2.5°	1591.6	1601.4	1605.6	1603.5	1614.0	1612.6	1627.3	1645.5	1670.8	1695.3
5°	1469.1	1479.6	1488.7	1497.1	1517.4	1523.7	1546.8	1581.8	1628.0	1675.0
7.5°	1355.0	1364.1	1378.1	1393.5	1427.8	1434.1	1472.6	1527.2	1591.6	1660.3
10°	1261.8	1270.9	1285.6	1303.1	1345.8	1353.6	1402.6	1475.4	1559.4	1646.2
12.5°	1221.9	1224.7	1233.1	1250.6	1287.7	1292.6	1346.5	1429.9	1527.9	1635.7
15°	1219.8	1225.4	1226.1	1235.2	1266.0	1268.1	1317.8	1400.5	1508.3	1633.6
17.5°	1240.8	1245.0	1238.7	1244.3	1270.2	1273.7	1312.9	1386.5	1502.0	1642.7
20°	1296.8	1300.3	1281.4	1273.7	1292.6	1295.4	1333.9	1395.6	1508.3	1661.7
22.5°	1415.9	1418.0	1371.8	1340.2	1341.6	1343.0	1376.7	1432.7	1532.8	1696.0
25°	1601.4	1600.0	1526.5	1465.6	1430.6	1422.9	1445.3	1492.9	1574.1	1741.5
27.5°	1818.5	1808.0	1734.5	1643.4	1567.1	1555.9	1551.0	1571.3	1632.9	1801.7
30°	2063.6	2053.8	1974.7	1855.6	1749.9	1731.7	1685.5	1675.0	1720.5	1883.6
32.5°	2332.5	2326.2	2231.6	2087.4	1945.9	1924.9	1847.2	1819.2	1854.9	2007.6
35°	2558.0	2552.4	2473.9	2325.5	2152.5	2126.6	2047.5	2016.0	2034.2	2166.5
37.5°	2761.7	2758.9	2691.7	2574.8	2396.2	2364.7	2275.8	2265.3	2261.8	2375.9
40°	2950.8	2943.8	2873.8	2812.1	2679.8	2651.1	2572.7	2563.6	2536.9	2633.6
42.5°	3160.2	3141.9	3040.4	3011.7	2976.0	2952.2	2905.3	2906.7	2847.8	2924.2
45°	3331.0	3320.5	3216.2	3199.4	3237.9	3228.1	3268.7	3279.2	3165.1	3228.8
47.5°	3514.5	3504.7	3416.4	3404.5	3508.9	3511.7	3655.2	3658.7	3474.6	3545.3
50°	3740.6	3726.6	3639.1	3653.8	3770.8	3781.3	4043.8	4020.0	3759.6	3866.7
52.5°	3889.8	3898.2	3879.3	3903.1	4062.8	4072.6	4426.2	4365.3	4041.7	4183.9
55°	3999.7	4016.5	4075.4	4130.0	4370.9	4380.7	4786.8	4693.7	4275.6	4478.0
57.5°	4141.2	4117.4	4227.3	4333.7	4663.6	4689.5	5137.6	5010.2	4482.9	4731.5
60°	4344.2	4327.4	4412.9	4570.4	4991.3	5032.6	5508.7	5295.2	4634.8	4932.4
62.5°	4756.0	4714.0	4727.3	4866.6	5404.4	5459.0	5927.5	5543.7	4710.5	5010.9
65°	5371.5	5299.4	5232.1	5328.8	5986.3	6040.2	6400.1	5739.1	4682.5	4858.9
67.5°	6146.6	6075.2	5992.6	6083.6	6843.4	6886.1	6983.4	5849.0	4461.9	4273.5
70°	6786.0	6759.4	6858.1	7232.7	8212.3	8213.7	7731.3	5758.0	3857.6	3029.9
72.5°	6701.2	6685.1	7205.4	8363.6	9937.7	9900.6	8439.2	5069.0	2598.6	1366.9
75°	5497.5	5601.9	6407.8	8343.3	10557.4	10552.5	8005.8	3222.5	1074.9	566.5
77.5°	2948.0	3113.2	4160.1	6160.0	8241.7	8365.7	5628.5	1127.4	461.5	362.7
80°	961.4	1105.7	1658.2	3136.3	5355.4	5332.3	2412.3	442.5	315.8	257.0
82.5°	408.2	425.0	740.8	1481.0	2748.4	2705.7	768.2	254.2	222.0	175.8
85°	159.7	178.6	327.0	684.8	1190.4	1164.5	277.3	126.0	142.1	114.8
87.5°	52.5	63.7	116.9	234.6	370.4	357.1	67.9	43.4	61.6	52.5
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°
1726.1	0°	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1	1726.1
1731.0	2.5°	1740.8	1752.0	1765.3	1784.9	1801.7	1815.7	1830.4	1839.5	1843.0	1853.5
1733.8	5°	1753.4	1777.9	1810.8	1843.0	1874.5	1893.4	1910.2	1918.6	1926.3	1931.9
1741.5	7.5°	1774.4	1805.9	1857.7	1899.7	1926.3	1941.7	1953.0	1950.1	1953.0	1954.4
1749.9	10°	1792.6	1836.7	1898.3	1938.2	1958.6	1959.3	1956.5	1946.6	1941.7	1942.4
1762.5	12.5°	1814.3	1863.3	1929.8	1963.5	1969.1	1953.7	1941.7	1924.9	1918.6	1915.8
1781.4	15°	1843.7	1899.7	1964.2	1976.8	1962.8	1943.1	1922.8	1895.5	1881.5	1870.3
1813.6	17.5°	1879.4	1941.0	1990.8	1981.7	1951.5	1919.3	1886.4	1845.1	1816.4	1804.5
1857.7	20°	1929.1	1984.5	2011.1	1971.2	1925.6	1876.6	1820.6	1770.2	1743.6	1731.7
1913.7	22.5°	1989.4	2042.6	2030.7	1953.0	1888.5	1810.1	1740.1	1703.0	1689.7	1681.3
1985.9	25°	2061.5	2107.0	2044.7	1926.3	1827.6	1721.9	1668.0	1656.1	1649.7	1643.4
2074.1	27.5°	2155.3	2179.8	2055.2	1887.1	1732.4	1628.0	1608.4	1610.5	1608.4	1597.9
2196.6	30°	2279.3	2274.4	2065.0	1823.4	1623.1	1543.3	1544.7	1553.8	1555.2	1548.2
2367.5	32.5°	2442.4	2392.7	2069.9	1740.8	1518.8	1469.1	1470.5	1480.3	1487.3	1475.4
2590.9	35°	2639.9	2530.6	2062.2	1637.1	1438.3	1398.4	1387.9	1390.7	1392.8	1381.6
2861.9	37.5°	2870.3	2685.4	2027.9	1522.3	1371.8	1329.0	1306.6	1287.7	1276.5	1266.0
3168.6	40°	3123.0	2854.2	1964.9	1410.3	1297.5	1255.5	1221.9	1186.2	1148.4	1134.4
3493.5	42.5°	3387.7	3027.8	1888.5	1303.1	1212.1	1177.8	1142.1	1090.3	1033.5	1004.8
3831.0	45°	3662.2	3205.7	1813.6	1197.4	1124.6	1109.9	1068.6	1006.2	944.6	908.2
4169.2	47.5°	3931.1	3373.7	1703.7	1091.0	1042.6	1058.8	1026.5	969.1	900.5	843.1
4504.6	50°	4188.1	3531.3	1523.7	983.1	976.1	1043.3	1012.5	929.9	851.5	778.0
4833.7	52.5°	4443.0	3658.7	1293.3	885.1	940.4	1039.1	994.3	903.3	807.4	730.3
5143.2	55°	4659.4	3724.5	1071.4	801.1	888.6	1003.4	972.6	871.8	745.0	663.1
5355.4	57.5°	4782.6	3671.3	886.5	718.4	817.2	944.6	935.5	804.6	670.8	607.8
5396.7	60°	4729.4	3455.7	735.2	646.3	749.2	880.9	871.1	738.0	614.1	554.6
5175.4	62.5°	4436.0	3044.6	615.5	583.3	687.6	815.8	806.7	686.9	570.7	513.3
4587.9	65°	3845.0	2476.7	522.4	530.8	625.3	737.3	750.7	644.2	536.4	480.4
3549.5	67.5°	2932.6	1794.0	449.5	485.3	564.4	660.3	698.8	613.4	507.7	454.5
2053.8	70°	1671.5	1018.8	387.9	441.1	510.5	588.9	658.9	588.9	476.9	432.7
769.6	72.5°	633.7	467.8	335.4	397.0	458.7	528.7	614.8	550.4	441.1	408.2
397.7	75°	338.2	285.0	282.2	345.2	399.1	469.9	559.5	512.6	414.5	431.3
275.2	77.5°	230.4	201.7	236.0	295.5	334.0	404.7	500.7	455.2	359.2	357.8
190.5	80°	159.7	142.8	191.9	238.1	258.4	340.3	436.9	390.7	292.7	273.1
117.6	82.5°	95.9	93.1	143.5	177.9	182.8	262.6	362.0	327.7	239.5	208.7
70.0	85°	52.5	55.3	91.7	104.3	106.4	183.5	283.6	253.5	184.2	154.8
25.2	87.5°	14.7	18.9	33.6	41.3	51.1	95.2	168.8	150.6	92.4	64.4
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°
1726.1
1852.8
1933.3
1956.5
1943.8
1914.4
1873.8
1805.2
1730.3
1682.7
1643.4
1600.0
1551.7
1481.0
1389.3
1273.0
1140.7
1008.3
905.4
836.8
771.7
721.9
656.1
599.4
546.2
504.2
471.3
446.0
427.1
402.6
445.3
329.8
261.2
210.1
156.2
64.4
0.0

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