

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: P852275

Luminaire Tested: **GLAN-SB2C-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852275
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-SB2C-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12710 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

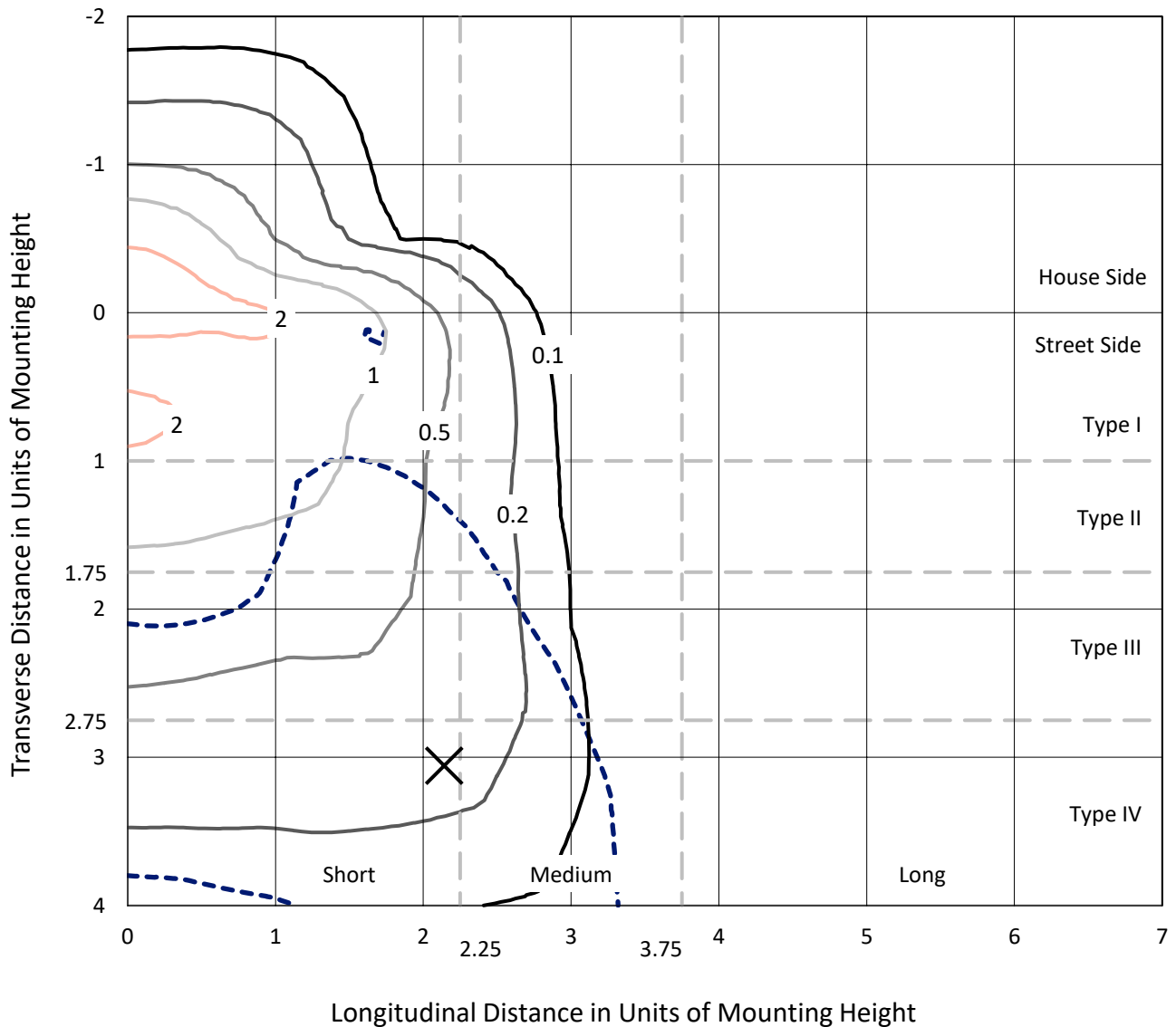
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

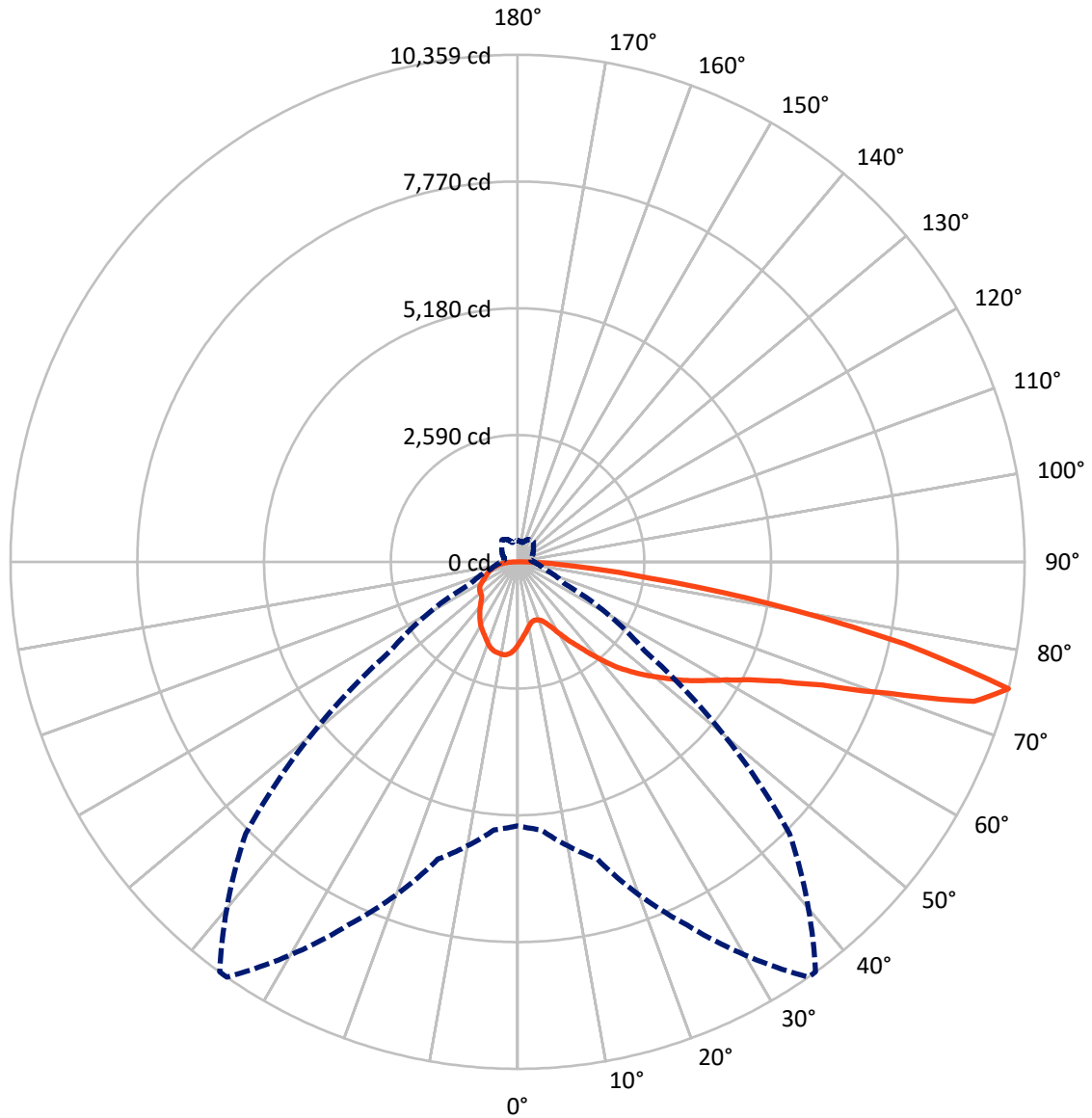
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	3024.7	0.0	3024.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9685.3	0.0	9685.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	12710.0	0.0	12710.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	1.3
10°-20°	462.5	3.6
20°-30°	776.7	6.1
30°-40°	1207.2	9.5
40°-50°	1791.7	14.1
50°-60°	2473.6	19.5
60°-70°	3001.0	23.6
70°-80°	2480.1	19.5
80°-90°	356.7	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°	12710.0	100.0
0°-180°	12710.0	100.0

Coefficient of Utilization



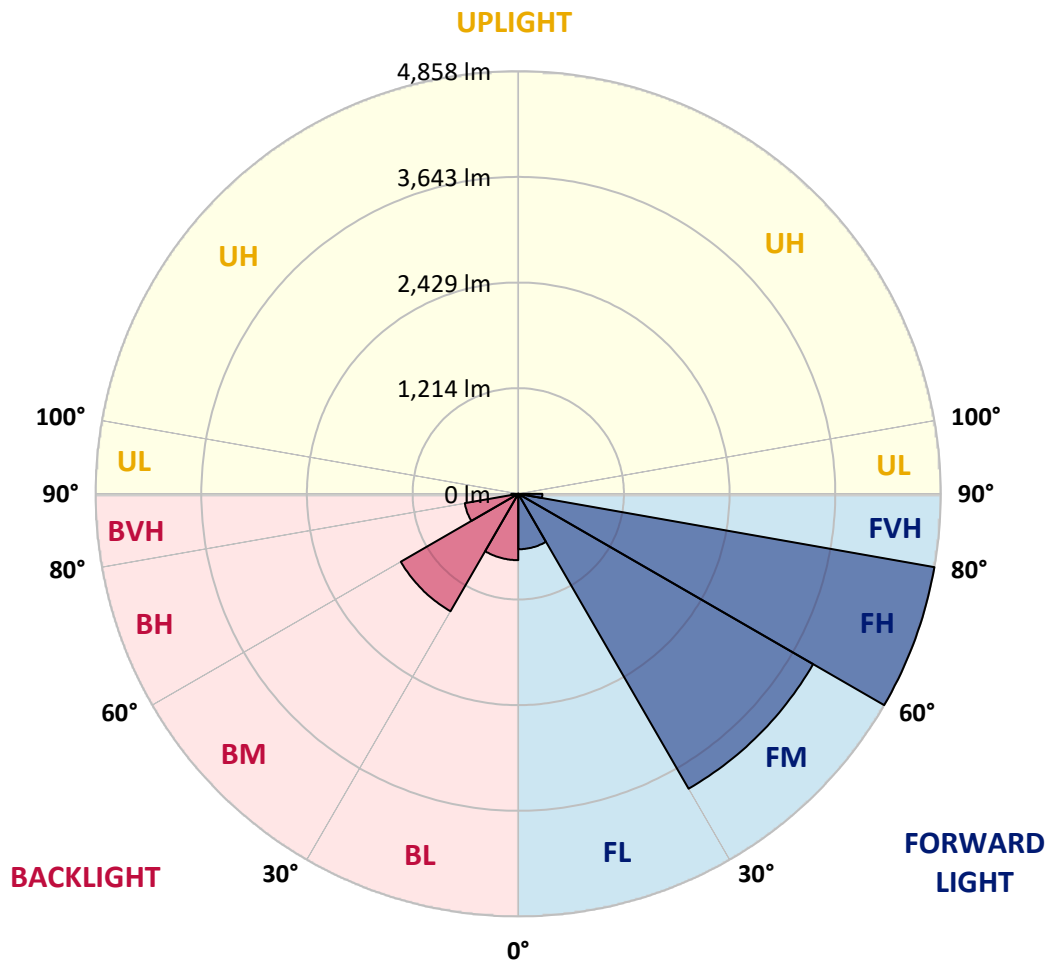
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.4	5.0			
FM (30°-60°)	3914.0	30.8			
FH (60°-80°)	4857.6	38.2			G2/5000
FVH (80°-90°)	276.4	2.2			G3/500
BL (0°-30°)	762.3	6.0	B2/1000		
BM (30°-60°)	1558.5	12.3	B2/2500		
BH (60°-80°)	623.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	80.3	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°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
2.5°	1561.8	1571.4	1575.5	1573.5	1583.8	1582.4	1596.8	1614.7	1639.4	1663.5
5°	1441.5	1451.8	1460.8	1469.0	1488.9	1495.1	1517.8	1552.2	1597.5	1643.5
7.5°	1329.5	1338.5	1352.2	1367.3	1401.0	1407.2	1445.0	1498.6	1561.8	1629.1
10°	1238.1	1247.1	1261.5	1278.7	1320.6	1328.2	1376.3	1447.7	1530.2	1615.4
12.5°	1199.0	1201.7	1210.0	1227.2	1263.6	1268.4	1321.3	1403.1	1499.2	1605.1
15°	1196.9	1202.4	1203.1	1212.0	1242.3	1244.3	1293.1	1374.2	1480.0	1603.0
17.5°	1217.5	1221.7	1215.5	1221.0	1246.4	1249.8	1288.3	1360.5	1473.8	1611.9
20°	1272.5	1275.9	1257.4	1249.8	1268.4	1271.1	1308.9	1369.4	1480.0	1630.5
22.5°	1389.3	1391.4	1346.0	1315.1	1316.5	1317.9	1350.8	1405.8	1504.1	1664.1
25°	1571.4	1570.0	1497.9	1438.1	1403.7	1396.2	1418.2	1464.9	1544.6	1708.8
27.5°	1784.4	1774.1	1701.9	1612.6	1537.7	1526.7	1521.9	1541.8	1602.3	1767.9
30°	2024.9	2015.3	1937.6	1820.8	1717.1	1699.2	1653.8	1643.5	1688.2	1848.3
32.5°	2288.7	2282.5	2189.8	2048.2	1909.4	1888.8	1812.6	1785.1	1820.1	1969.9
35°	2510.0	2504.5	2427.5	2281.8	2112.1	2086.7	2009.1	1978.2	1996.0	2125.9
37.5°	2709.9	2707.2	2641.2	2526.5	2351.2	2320.3	2233.1	2222.8	2219.3	2331.3
40°	2895.4	2888.6	2819.8	2759.4	2629.5	2601.3	2524.4	2515.5	2489.4	2584.2
42.5°	3100.9	3083.0	2983.4	2955.2	2920.2	2896.8	2850.8	2852.1	2794.4	2869.3
45°	3268.5	3258.2	3155.8	3139.3	3177.1	3167.5	3207.4	3217.7	3105.7	3168.2
47.5°	3448.5	3438.9	3352.3	3340.7	3443.0	3445.8	3586.6	3590.1	3409.4	3478.8
50°	3670.5	3656.7	3570.8	3585.3	3700.0	3710.3	3968.0	3944.6	3689.0	3794.1
52.5°	3816.8	3825.1	3806.5	3829.9	3986.5	3996.2	4343.1	4283.4	3965.9	4105.4
55°	3924.7	3941.2	3998.9	4052.5	4288.9	4298.5	4697.0	4605.6	4195.4	4394.0
57.5°	4063.5	4040.1	4148.0	4252.4	4576.1	4601.5	5041.2	4916.2	4398.8	4642.7
60°	4262.7	4246.3	4330.1	4484.7	4897.6	4938.2	5405.4	5195.8	4547.9	4839.9
62.5°	4666.8	4625.5	4638.6	4775.3	5303.0	5356.6	5816.3	5439.7	4622.1	4916.9
65°	5270.7	5199.9	5134.0	5228.8	5874.0	5926.9	6280.1	5631.4	4594.6	4767.8
67.5°	6031.3	5961.3	5880.2	5969.5	6715.0	6756.9	6852.4	5739.3	4378.2	4193.4
70°	6658.7	6632.5	6729.4	7097.0	8058.3	8059.6	7586.2	5650.0	3785.2	2973.1
72.5°	6575.5	6559.7	7070.2	8206.7	9751.3	9714.9	8280.9	4973.9	2549.8	1341.2
75°	5394.4	5496.8	6287.6	8186.8	10359.4	10354.5	7855.6	3162.0	1054.7	555.9
77.5°	2892.7	3054.8	4082.0	6044.4	8087.1	8208.7	5522.9	1106.2	452.8	355.9
80°	943.4	1084.9	1627.0	3077.5	5254.9	5232.2	2367.0	434.2	309.9	252.2
82.5°	400.6	417.1	726.9	1453.2	2696.9	2654.9	753.7	249.4	217.8	172.5
85°	156.7	175.2	320.9	672.0	1168.1	1142.6	272.1	123.7	139.5	112.7
87.5°	51.5	62.5	114.7	230.2	363.5	350.4	66.6	42.6	60.5	51.5
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°
1693.7	0°	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7	1693.7
1698.5	2.5°	1708.1	1719.1	1732.2	1751.4	1767.9	1781.6	1796.1	1805.0	1808.4	1818.7
1701.3	5°	1720.5	1744.5	1776.8	1808.4	1839.4	1857.9	1874.4	1882.6	1890.2	1895.7
1708.8	7.5°	1741.1	1772.0	1822.9	1864.1	1890.2	1905.3	1916.3	1913.6	1916.3	1917.7
1717.1	10°	1759.0	1802.3	1862.7	1901.9	1921.8	1922.5	1919.7	1910.1	1905.3	1906.0
1729.4	12.5°	1780.3	1828.4	1893.6	1926.6	1932.1	1917.0	1905.3	1888.8	1882.6	1879.9
1748.0	15°	1809.1	1864.1	1927.3	1939.7	1925.9	1906.7	1886.8	1860.0	1846.2	1835.2
1779.6	17.5°	1844.2	1904.6	1953.4	1944.5	1914.9	1883.3	1851.0	1810.5	1782.3	1770.6
1822.9	20°	1893.0	1947.2	1973.3	1934.2	1889.5	1841.4	1786.5	1737.0	1710.9	1699.2
1877.8	22.5°	1952.0	2004.3	1992.6	1916.3	1853.1	1776.1	1707.4	1671.0	1658.0	1649.7
1948.6	25°	2022.8	2067.5	2006.3	1890.2	1793.3	1689.6	1636.7	1625.0	1618.8	1612.6
2035.2	27.5°	2114.9	2138.9	2016.6	1851.7	1699.9	1597.5	1578.3	1580.3	1578.3	1568.0
2155.4	30°	2236.5	2231.7	2026.2	1789.2	1592.7	1514.4	1515.7	1524.7	1526.0	1519.2
2323.1	32.5°	2396.6	2347.8	2031.1	1708.1	1490.3	1441.5	1442.9	1452.5	1459.4	1447.7
2542.3	35°	2590.4	2483.2	2023.5	1606.4	1411.3	1372.1	1361.8	1364.6	1366.6	1355.6
2808.2	37.5°	2816.4	2635.0	1989.8	1493.7	1346.0	1304.1	1282.1	1263.6	1252.6	1242.3
3109.1	40°	3064.5	2800.6	1928.0	1383.8	1273.2	1232.0	1199.0	1163.9	1126.8	1113.1
3427.9	42.5°	3324.2	2971.0	1853.1	1278.7	1189.4	1155.7	1120.7	1069.8	1014.2	986.0
3759.1	45°	3593.5	3145.5	1779.6	1174.9	1103.5	1089.0	1048.5	987.4	926.9	891.2
4091.0	47.5°	3857.4	3310.4	1671.7	1070.5	1023.1	1038.9	1007.3	950.9	883.6	827.3
4420.1	50°	4109.5	3465.0	1495.1	964.7	957.8	1023.8	993.5	912.5	835.5	763.4
4743.0	52.5°	4359.6	3590.1	1269.1	868.5	922.8	1019.7	975.7	886.4	792.2	716.6
5046.7	55°	4571.9	3654.7	1051.3	786.0	871.9	984.6	954.4	855.4	731.1	650.7
5254.9	57.5°	4692.9	3602.4	869.9	705.0	801.8	926.9	918.0	789.5	658.2	596.4
5295.5	60°	4640.7	3390.8	721.5	634.2	735.2	864.4	854.7	724.2	602.6	544.2
5078.3	62.5°	4352.8	2987.5	604.0	572.4	674.7	800.5	791.5	674.0	560.0	503.6
4501.9	65°	3772.8	2430.3	512.6	520.8	613.6	723.5	736.6	632.1	526.3	471.3
3482.9	67.5°	2877.6	1760.3	441.1	476.2	553.8	647.9	685.7	601.9	498.1	445.9
2015.3	70°	1640.1	999.7	380.7	432.9	500.9	577.8	646.6	577.8	467.9	424.6
755.1	72.5°	621.8	459.0	329.1	389.6	450.0	518.8	603.3	540.1	432.9	400.6
390.3	75°	331.9	279.6	276.9	338.7	391.6	461.0	549.0	503.0	406.8	423.3
270.0	77.5°	226.1	197.9	231.6	290.0	327.7	397.1	491.3	446.6	352.5	351.1
186.9	80°	156.7	140.2	188.3	233.6	253.5	333.9	428.7	383.4	287.2	268.0
115.4	82.5°	94.1	91.4	140.9	174.5	179.3	257.7	355.2	321.6	235.0	204.8
68.7	85°	51.5	54.3	90.0	102.4	104.4	180.0	278.3	248.7	180.7	151.8
24.7	87.5°	14.4	18.6	33.0	40.5	50.2	93.4	165.6	147.7	90.7	63.2
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°
1693.7
1818.1
1897.1
1919.7
1907.4
1878.5
1838.7
1771.3
1697.8
1651.1
1612.6
1570.0
1522.6
1453.2
1363.2
1249.1
1119.3
989.4
888.4
821.1
757.2
708.4
643.8
588.2
535.9
494.7
462.4
437.7
419.1
395.1
437.0
323.6
256.3
206.1
153.2
63.2
0.0

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