

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: P847226

Luminaire Tested: **GLAN-SB3B-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13091 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

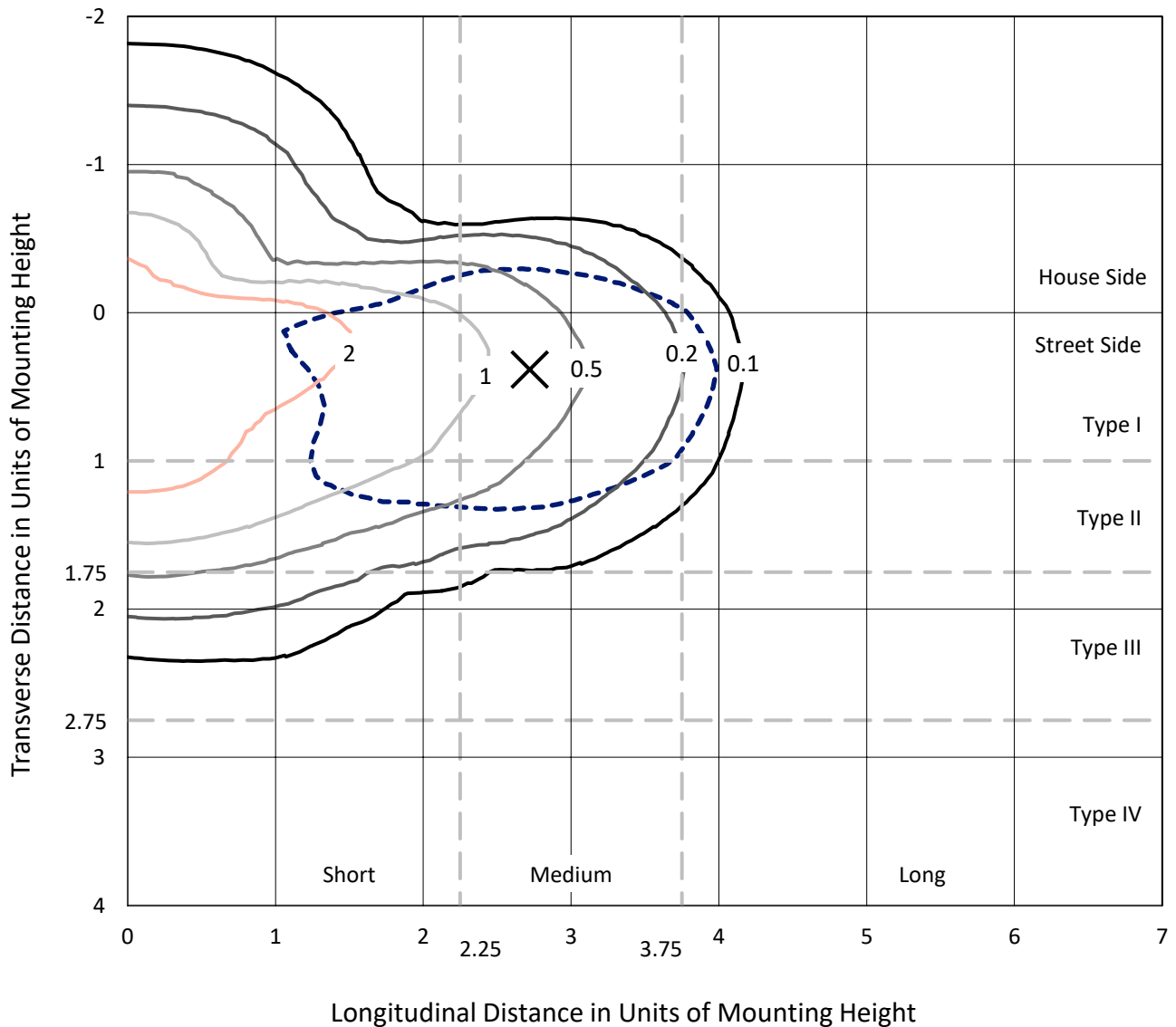
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

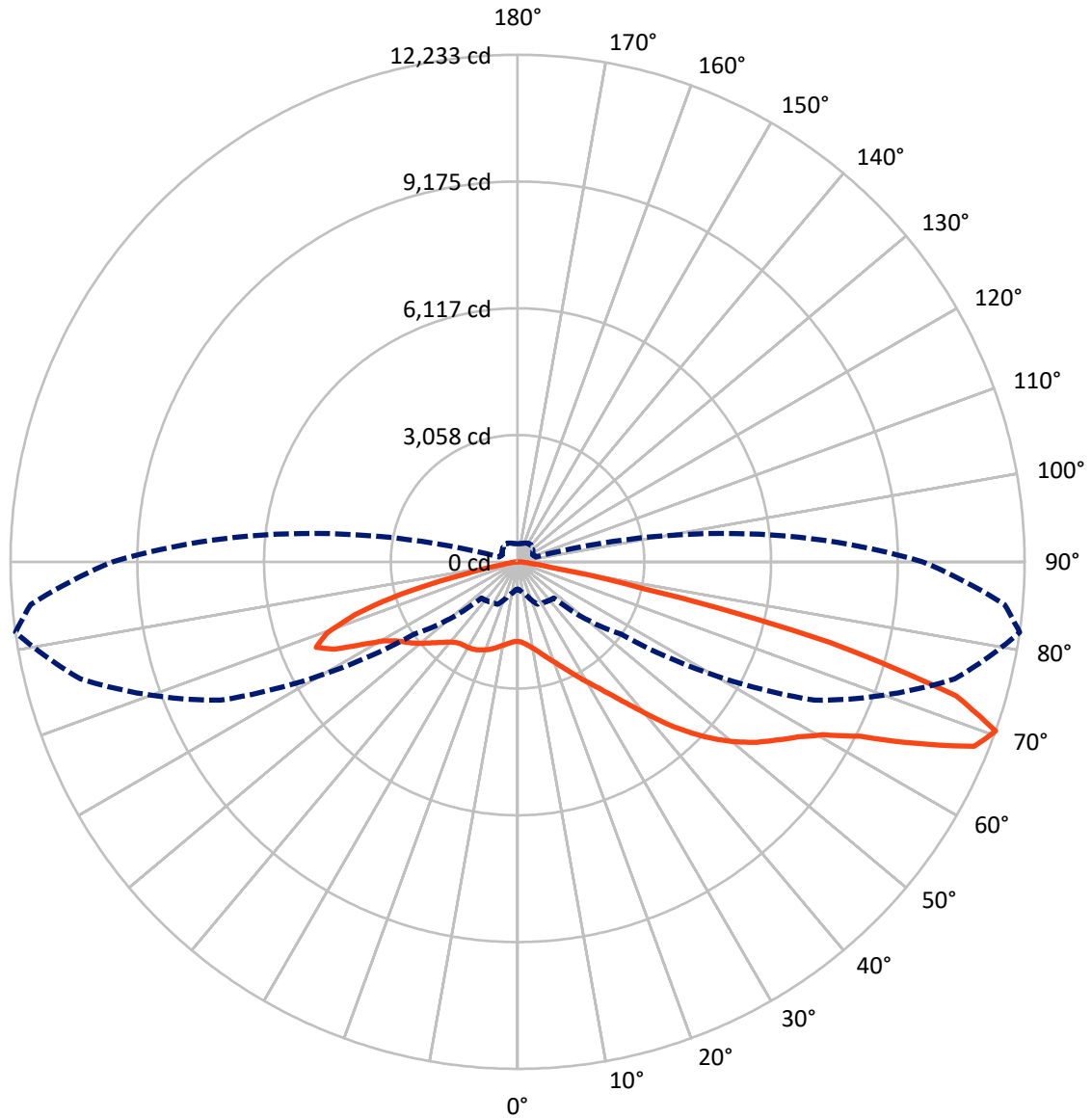
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3227.3	0.0	3227.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	9863.7	0.0	9863.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	13091.0	0.0	13091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.2	1.4
10°-20°	520.6	4.0
20°-30°	871.0	6.7
30°-40°	1360.7	10.4
40°-50°	2167.1	16.6
50°-60°	3015.8	23.0
60°-70°	3154.6	24.1
70°-80°	1648.8	12.6
80°-90°	171.2	1.3
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°	13091.0	100.0
0°-180°	13091.0	100.0

Coefficient of Utilization



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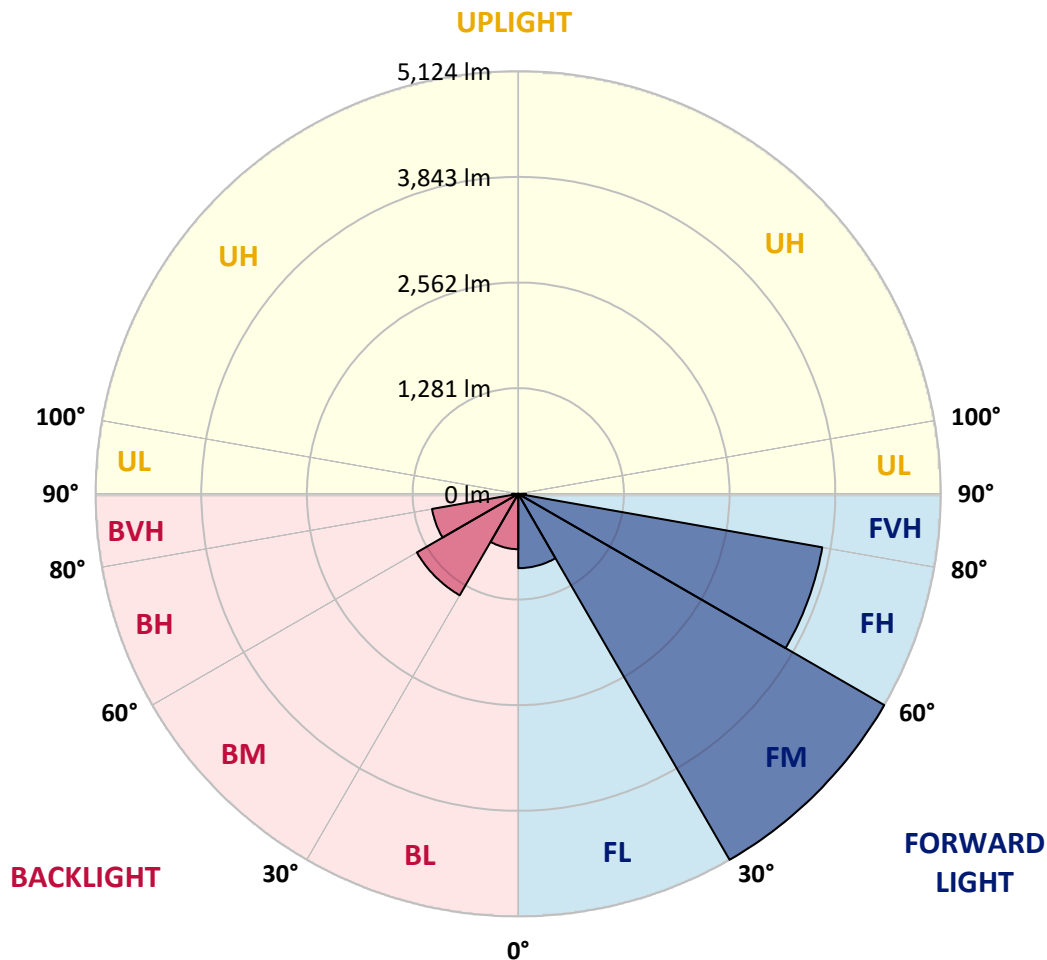
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	901.5	6.9			
FM (30°-60°)	5123.7	39.1			
FH (60°-80°)	3742.8	28.6			G2/5000
FVH (80°-90°)	95.8	0.7			G1/100
BL (0°-30°)	671.4	5.1	B2/1000		
BM (30°-60°)	1419.9	10.8	B2/2500		
BH (60°-80°)	1060.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	75.4	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3
2.5°	1965.2	1976.3	1972.8	1969.3	1969.3	1964.5	1963.8	1956.8	1951.3	1942.2
5°	1990.2	2002.0	2000.6	2003.4	2012.4	2014.5	2016.6	2012.4	2001.3	1990.2
7.5°	1967.9	1981.1	1985.3	2002.0	2029.8	2054.8	2073.5	2081.2	2070.7	2054.8
10°	1892.9	1907.5	1922.1	1961.7	2011.0	2070.0	2120.1	2149.9	2147.8	2132.6
12.5°	1740.8	1756.1	1787.3	1864.4	1954.7	2058.9	2152.0	2214.5	2236.1	2224.9
15°	1619.2	1632.4	1656.0	1735.2	1852.6	2011.0	2163.8	2285.4	2340.3	2334.0
17.5°	1615.7	1621.3	1635.9	1673.4	1763.7	1936.0	2151.3	2354.8	2459.7	2459.0
20°	1676.9	1679.0	1687.3	1694.9	1746.3	1879.0	2119.4	2412.5	2593.8	2593.8
22.5°	1761.6	1760.2	1768.6	1761.6	1786.6	1874.2	2099.2	2463.2	2743.2	2754.3
25°	1888.7	1881.8	1879.7	1863.7	1868.6	1919.3	2121.4	2520.9	2920.3	2943.2
27.5°	2058.2	2047.1	2039.5	2002.7	1990.2	2012.4	2189.5	2590.3	3117.6	3157.2
30°	2279.1	2259.0	2247.9	2184.0	2138.8	2142.3	2292.3	2682.7	3323.9	3387.8
32.5°	2580.6	2549.3	2519.5	2414.6	2331.9	2304.8	2425.0	2810.5	3547.6	3649.7
35°	2918.2	2893.2	2861.2	2699.4	2572.3	2509.8	2604.2	2989.1	3809.4	3971.3
37.5°	3243.3	3221.8	3237.0	3018.9	2855.0	2764.0	2839.0	3228.7	4132.4	4371.4
40°	3579.5	3562.8	3564.9	3356.5	3165.5	3063.4	3123.8	3529.5	4502.7	4847.2
42.5°	3944.9	3932.4	3890.7	3705.9	3491.3	3396.1	3451.7	3876.8	4900.0	5389.1
45°	4354.0	4346.4	4307.5	4095.6	3849.7	3742.7	3817.8	4260.3	5299.4	5898.9
47.5°	4707.6	4713.9	4709.0	4530.5	4275.5	4118.6	4208.2	4660.4	5671.1	6378.2
50°	4877.8	4910.4	4958.4	4902.8	4744.4	4584.7	4602.0	5046.6	6025.4	6827.7
52.5°	4788.9	4850.7	4981.3	5070.2	5131.3	5098.0	5051.5	5430.0	6358.8	7233.3
55°	4457.5	4544.4	4761.1	4975.7	5287.6	5530.1	5591.2	5855.2	6683.9	7590.4
57.5°	3853.9	3994.9	4189.4	4623.6	5148.7	5739.2	6220.5	6444.9	7028.4	7971.7
60°	2818.9	3007.8	3249.5	3895.6	4662.5	5627.3	6756.1	7350.7	7518.1	8465.6
62.5°	1804.0	1920.7	2143.0	2751.5	3633.0	5054.2	6920.1	8483.0	8348.2	9275.6
65°	1235.1	1310.1	1513.6	1855.4	2348.6	3762.2	6481.0	9331.9	9666.7	10559.3
67.5°	897.5	954.4	1128.1	1427.5	1530.3	2226.3	5029.2	9293.0	10948.3	11881.9
70°	654.4	694.6	840.5	1128.1	1177.4	1238.6	3046.7	7899.5	10920.5	12233.4
72.5°	484.9	512.6	610.6	875.3	953.1	836.4	1508.1	5741.2	9384.0	11065.0
75°	350.8	371.6	443.9	669.6	762.7	637.0	752.3	3355.1	6545.6	7783.5
77.5°	268.1	284.1	331.3	490.4	610.6	477.9	466.8	1543.5	3103.7	3119.0
80°	215.3	225.8	251.5	345.2	468.2	357.7	304.3	623.1	980.8	830.1
82.5°	158.4	175.7	212.6	242.4	334.8	246.6	185.5	314.7	373.0	320.9
85°	90.3	102.1	128.5	173.7	214.0	150.7	106.3	139.6	173.7	142.4
87.5°	32.0	41.7	45.2	68.1	93.1	62.5	41.0	40.3	57.0	42.4
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°
1919.3	0°	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3	1919.3
1940.1	2.5°	1933.2	1929.7	1915.8	1897.1	1877.6	1858.9	1852.6	1839.4	1830.4	1825.5
1985.3	5°	1972.1	1961.0	1928.3	1886.7	1842.9	1795.7	1762.3	1731.8	1709.5	1688.7
2047.1	7.5°	2027.7	2008.2	1952.0	1879.0	1801.2	1722.7	1664.4	1619.9	1590.0	1570.6
2119.4	10°	2092.3	2062.4	1976.3	1867.2	1747.0	1634.5	1565.7	1527.5	1508.8	1498.3
2202.0	12.5°	2166.6	2124.2	2001.3	1840.1	1664.4	1535.9	1488.6	1477.5	1478.2	1478.9
2306.2	15°	2258.3	2199.2	2021.4	1781.1	1556.7	1460.1	1451.8	1469.9	1488.6	1497.7
2424.3	17.5°	2361.8	2278.4	2024.9	1683.8	1451.1	1411.5	1437.9	1476.8	1505.3	1517.8
2556.3	20°	2472.9	2359.0	1999.9	1546.3	1364.3	1371.9	1419.2	1469.2	1500.4	1516.4
2707.0	22.5°	2600.1	2445.2	1940.1	1401.8	1293.4	1328.9	1384.4	1433.1	1465.7	1481.7
2884.2	25°	2745.2	2541.7	1846.4	1280.2	1232.3	1280.2	1335.8	1376.1	1402.5	1417.1
3082.1	27.5°	2906.4	2642.4	1721.3	1183.7	1178.8	1230.2	1276.1	1307.3	1321.2	1332.3
3292.6	30°	3068.2	2734.1	1569.9	1110.7	1132.3	1180.9	1213.5	1227.4	1231.6	1233.7
3527.4	32.5°	3243.3	2813.3	1410.8	1050.3	1087.8	1133.0	1152.4	1158.7	1139.2	1126.0
3812.2	35°	3455.2	2898.1	1255.2	1002.4	1044.1	1083.0	1089.2	1083.6	1060.7	1033.6
4169.3	37.5°	3717.0	3003.6	1130.9	968.3	1003.1	1028.8	1021.1	1019.7	1021.8	989.9
4598.6	40°	4038.0	3141.2	1039.9	941.9	969.7	975.3	953.7	965.6	976.0	927.4
5069.5	42.5°	4394.3	3307.2	982.2	923.9	941.9	928.7	895.4	908.6	907.2	843.3
5542.6	45°	4757.6	3487.8	962.1	910.7	916.2	889.8	853.0	856.5	827.3	769.7
5996.2	47.5°	5118.8	3681.6	974.6	899.6	884.3	854.4	825.9	810.7	767.6	724.5
6431.0	50°	5473.1	3885.1	1020.4	877.3	840.5	823.2	802.3	775.2	729.4	692.6
6842.3	52.5°	5801.7	4090.1	1071.8	840.5	785.6	796.1	782.9	751.6	706.5	668.9
7231.3	55°	6112.9	4295.0	1092.0	789.8	734.2	772.4	764.8	707.1	653.0	622.4
7638.3	57.5°	6451.9	4541.6	1069.8	725.2	692.6	745.4	716.2	652.3	621.0	598.1
8168.3	60°	6921.4	4928.5	1021.8	645.3	653.0	705.1	655.1	628.7	594.6	568.9
8963.0	62.5°	7701.5	5650.2	944.7	566.1	606.4	645.3	625.9	599.5	564.7	539.7
10321.7	65°	8854.6	6653.3	799.5	504.3	554.3	587.0	594.6	568.2	532.1	505.7
11512.4	67.5°	9827.1	7282.7	605.0	452.9	500.8	539.7	561.3	535.6	497.4	471.7
11790.9	70°	9773.7	6825.6	461.9	402.2	453.6	493.2	521.0	500.8	459.9	435.5
10710.0	72.5°	8681.0	5710.0	373.7	350.8	405.7	444.6	477.9	462.6	421.0	397.3
7846.0	75°	6377.5	4053.3	298.7	298.7	345.9	393.9	430.7	421.0	382.7	366.1
3294.0	77.5°	2688.3	1700.5	234.1	248.0	287.6	338.3	384.1	387.6	354.3	375.1
871.1	80°	714.8	468.9	178.5	195.2	225.8	279.2	334.1	332.7	296.6	277.2
323.7	82.5°	272.3	184.8	127.1	137.5	163.2	214.0	264.7	273.0	236.9	204.9
127.1	85°	104.9	79.2	78.5	82.7	95.2	141.7	200.1	207.0	178.5	151.4
35.4	87.5°	27.1	23.6	29.2	27.8	43.8	75.7	114.6	118.8	109.1	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°
1919.3
1831.1
1697.0
1574.8
1501.1
1480.3
1497.0
1520.6
1520.6
1485.8
1421.2
1336.5
1238.6
1130.2
1035.0
992.0
928.7
842.6
771.8
724.5
689.8
669.6
619.6
596.0
567.5
539.7
507.1
472.4
437.6
397.3
361.2
340.4
257.7
204.9
156.3
90.3
0.0

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