

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: McGRAW-EDISON

Report Number: P940395

Luminaire Tested: **GALN-SB3B-940-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940395  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-940-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12131 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

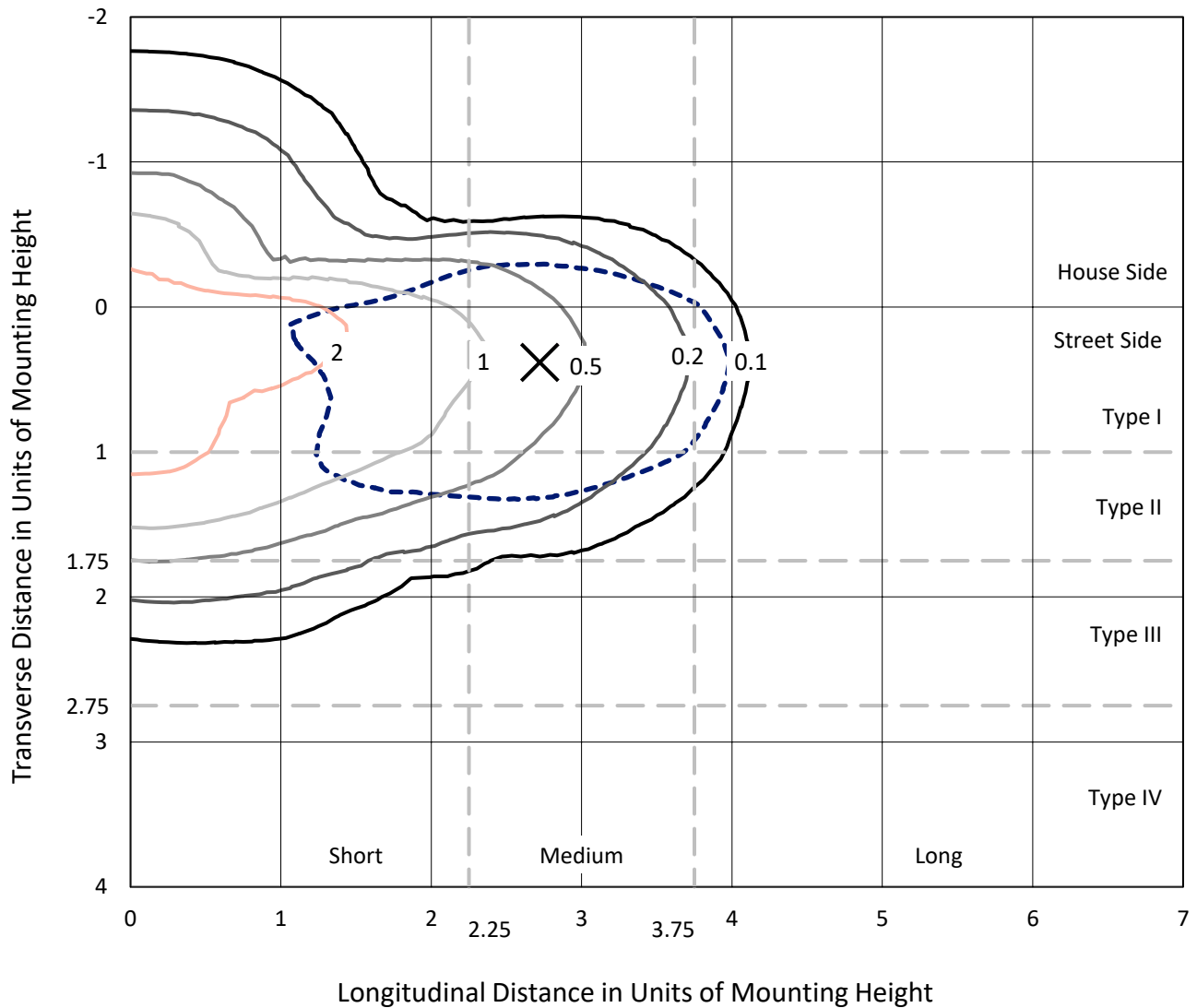
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

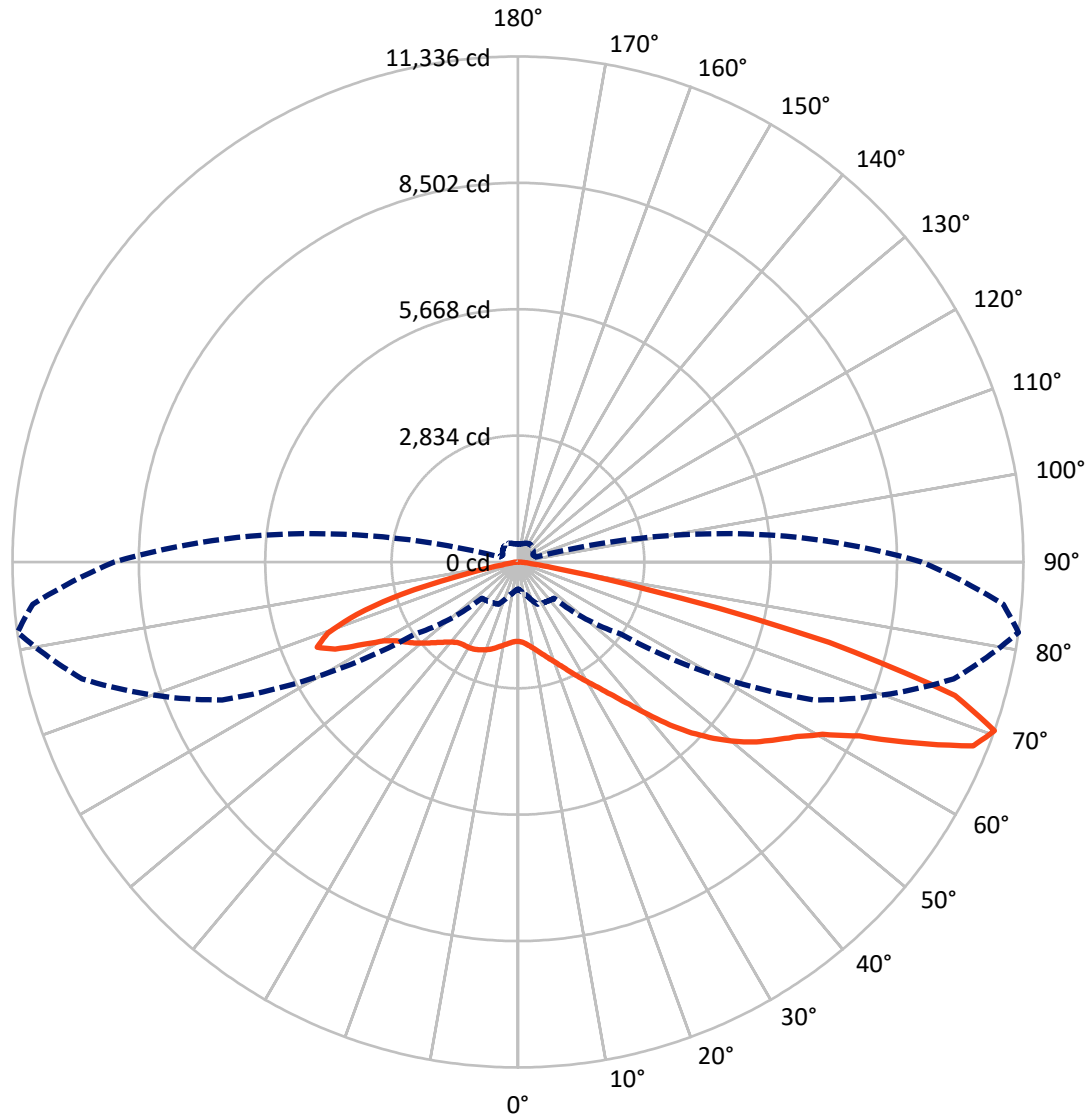
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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
<b>House Side</b>	Lumens	2990.6	0.0	2990.6
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	9140.4	0.0	9140.4
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	12131.0	0.0	12131.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.9	1.4
10°-20°	482.5	4.0
20°-30°	807.1	6.7
30°-40°	1260.9	10.4
40°-50°	2008.2	16.6
50°-60°	2794.6	23.0
60°-70°	2923.3	24.1
70°-80°	1527.9	12.6
80°-90°	158.7	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°	12131.0	100.0
0°-180°	12131.0	100.0

**Coefficient of Utilization**



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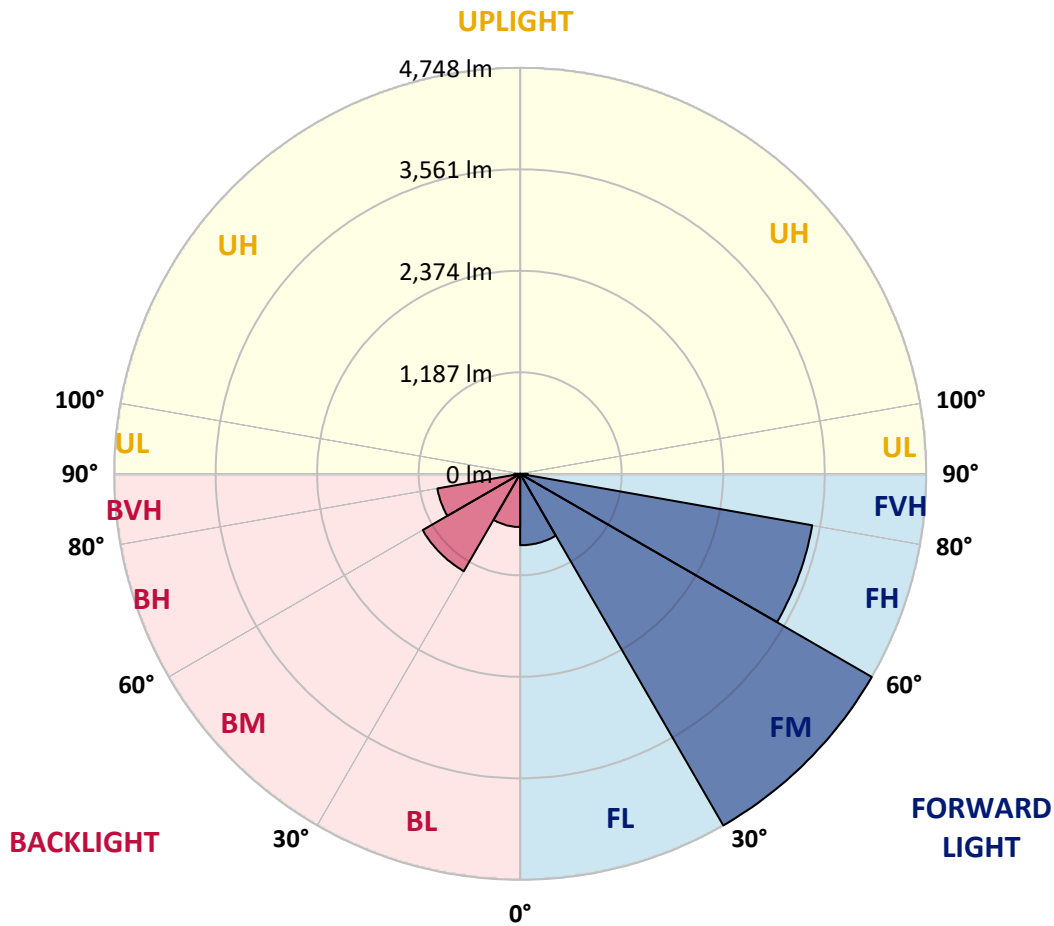
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	835.4	6.9			
FM (30°-60°)	4748.0	39.1			
FH (60°-80°)	3468.3	28.6			G2/5000
FVH (80°-90°)	88.8	0.7			G1/100
BL (0°-30°)	622.2	5.1	B2/1000		
BM (30°-60°)	1315.7	10.8	B2/2500		
BH (60°-80°)	982.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	69.8	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-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6
2.5°	1821.0	1831.3	1828.1	1824.9	1824.9	1820.4	1819.8	1813.3	1808.2	1799.8
5°	1844.2	1855.2	1853.9	1856.4	1864.8	1866.7	1868.7	1864.8	1854.5	1844.2
7.5°	1823.6	1835.8	1839.7	1855.2	1880.9	1904.1	1921.5	1928.5	1918.9	1904.1
10°	1754.1	1767.6	1781.1	1817.8	1863.5	1918.2	1964.6	1992.3	1990.3	1976.2
12.5°	1613.1	1627.3	1656.3	1727.7	1811.4	1907.9	1994.2	2052.1	2072.1	2061.8
15°	1500.5	1512.7	1534.6	1608.0	1716.8	1863.5	2005.1	2117.8	2168.6	2162.8
17.5°	1497.3	1502.4	1515.9	1550.7	1634.4	1794.0	1993.6	2182.2	2279.4	2278.7
20°	1553.9	1555.8	1563.6	1570.6	1618.3	1741.2	1963.9	2235.6	2403.6	2403.6
22.5°	1632.4	1631.1	1638.9	1632.4	1655.6	1736.7	1945.3	2282.6	2542.0	2552.3
25°	1750.2	1743.8	1741.9	1727.1	1731.6	1778.6	1965.9	2336.0	2706.1	2727.4
27.5°	1907.3	1897.0	1889.9	1855.8	1844.2	1864.8	2029.0	2400.4	2888.9	2925.6
30°	2112.0	2093.3	2083.0	2023.8	1982.0	1985.2	2124.2	2486.0	3080.1	3139.3
32.5°	2391.4	2362.4	2334.7	2237.5	2160.9	2135.8	2247.2	2604.4	3287.4	3382.0
35°	2704.2	2681.0	2651.4	2501.4	2383.6	2325.7	2413.2	2769.9	3530.1	3680.1
37.5°	3005.5	2985.5	2999.7	2797.5	2645.6	2561.3	2630.8	2991.9	3829.4	4050.8
40°	3317.0	3301.6	3303.5	3110.4	2933.4	2838.7	2894.7	3270.7	4172.5	4491.8
42.5°	3655.6	3644.0	3605.4	3434.2	3235.3	3147.1	3198.6	3592.5	4540.7	4993.9
45°	4034.7	4027.7	3991.6	3795.3	3567.4	3468.3	3537.8	3947.8	4910.8	5466.3
47.5°	4362.4	4368.2	4363.7	4198.2	3962.0	3816.5	3899.6	4318.6	5255.2	5910.5
50°	4520.1	4550.3	4594.8	4543.3	4396.5	4248.5	4264.5	4676.5	5583.5	6327.0
52.5°	4437.7	4495.0	4616.0	4698.4	4755.0	4724.1	4681.0	5031.8	5892.5	6702.9
55°	4130.7	4211.1	4412.0	4610.9	4899.9	5124.5	5181.2	5425.8	6193.7	7033.8
57.5°	3571.3	3701.9	3882.2	4284.5	4771.1	5318.3	5764.4	5972.3	6513.0	7387.2
60°	2612.2	2787.2	3011.3	3609.9	4320.5	5214.7	6260.7	6811.7	6966.8	7844.8
62.5°	1671.7	1779.8	1985.8	2549.7	3366.6	4683.6	6412.6	7860.9	7736.0	8595.4
65°	1144.5	1214.0	1402.6	1719.3	2176.4	3486.3	6005.8	8647.5	8957.8	9785.0
67.5°	831.7	884.5	1045.4	1322.8	1418.1	2063.1	4660.4	8611.5	10145.4	11010.6
70°	606.4	643.7	778.9	1045.4	1091.1	1147.7	2823.3	7320.2	10119.7	11336.3
72.5°	449.3	475.1	565.8	811.1	883.2	775.0	1397.5	5320.2	8695.8	10253.6
75°	325.1	344.4	411.3	620.5	706.8	590.3	697.1	3109.1	6065.6	7212.7
77.5°	248.5	263.3	307.0	454.5	565.8	442.9	432.6	1430.3	2876.1	2890.2
80°	199.5	209.2	233.0	319.9	433.9	331.5	281.9	577.4	908.9	769.2
82.5°	146.8	162.9	197.0	224.7	310.3	228.5	171.9	291.6	345.7	297.4
85°	83.7	94.6	119.1	160.9	198.3	139.7	98.5	129.4	160.9	132.0
87.5°	29.6	38.6	41.8	63.1	86.3	57.9	38.0	37.3	52.8	39.3
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°
1778.6	0°	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6	1778.6
1797.9	2.5°	1791.4	1788.2	1775.3	1758.0	1739.9	1722.6	1716.8	1704.5	1696.2	1691.7
1839.7	5°	1827.5	1817.2	1786.9	1748.3	1707.7	1664.0	1633.1	1604.8	1584.2	1564.8
1897.0	7.5°	1879.0	1861.0	1808.8	1741.2	1669.1	1596.4	1542.3	1501.1	1473.4	1455.4
1963.9	10°	1938.8	1911.2	1831.3	1730.3	1618.9	1514.6	1450.9	1415.5	1398.1	1388.5
2040.5	12.5°	2007.7	1968.4	1854.5	1705.2	1542.3	1423.2	1379.5	1369.2	1369.8	1370.4
2137.1	15°	2092.7	2038.0	1873.2	1650.5	1442.5	1353.1	1345.3	1362.1	1379.5	1387.8
2246.5	17.5°	2188.6	2111.4	1876.4	1560.3	1344.7	1308.0	1332.5	1368.5	1394.9	1406.5
2368.8	20°	2291.6	2186.0	1853.2	1432.9	1264.2	1271.3	1315.1	1361.4	1390.4	1405.2
2508.5	22.5°	2409.4	2265.8	1797.9	1299.0	1198.6	1231.4	1282.9	1328.0	1358.2	1373.0
2672.7	25°	2543.9	2355.3	1711.0	1186.3	1141.9	1186.3	1237.8	1275.2	1299.6	1313.2
2856.1	27.5°	2693.3	2448.7	1595.1	1096.9	1092.4	1140.0	1182.5	1211.5	1224.3	1234.6
3051.2	30°	2843.2	2533.6	1454.8	1029.3	1049.2	1094.3	1124.6	1137.4	1141.3	1143.2
3268.7	32.5°	3005.5	2607.0	1307.4	973.3	1008.0	1049.9	1067.9	1073.7	1055.7	1043.4
3532.7	35°	3201.8	2685.5	1163.2	928.9	967.5	1003.5	1009.3	1004.2	982.9	957.8
3863.5	37.5°	3444.5	2783.4	1048.0	897.3	929.5	953.3	946.2	945.0	946.9	917.3
4261.3	40°	3741.9	2910.8	963.6	872.9	898.6	903.8	883.8	894.7	904.4	859.3
4697.8	42.5°	4072.1	3064.7	910.2	856.1	872.9	860.6	829.7	842.0	840.7	781.5
5136.1	45°	4408.7	3232.0	891.5	843.9	849.0	824.6	790.5	793.7	766.7	713.2
5556.5	47.5°	4743.5	3411.6	903.1	833.6	819.4	791.8	765.4	751.2	711.3	671.4
5959.4	50°	5071.7	3600.2	945.6	813.0	778.9	762.8	743.5	718.4	675.9	641.8
6340.5	52.5°	5376.2	3790.1	993.2	778.9	728.0	737.7	725.5	696.5	654.6	619.9
6701.0	55°	5664.6	3980.0	1011.9	731.9	680.4	715.8	708.7	655.3	605.1	576.8
7078.2	57.5°	5978.7	4208.5	991.3	672.0	641.8	690.7	663.7	604.4	575.5	554.2
7569.3	60°	6413.9	4567.1	946.9	598.0	605.1	653.4	607.0	582.6	551.0	527.2
8305.7	62.5°	7136.8	5235.9	875.4	524.6	562.0	598.0	580.0	555.5	523.3	500.2
9564.8	65°	8205.3	6165.4	740.9	467.3	513.7	543.9	551.0	526.6	493.1	468.6
10668.1	67.5°	9106.5	6748.6	560.7	419.7	464.1	500.2	520.1	496.3	460.9	437.1
10926.2	70°	9056.9	6325.0	428.1	372.7	420.3	457.0	482.8	464.1	426.1	403.6
9924.6	72.5°	8044.4	5291.3	346.3	325.1	375.9	412.0	442.9	428.7	390.1	368.2
7270.6	75°	5909.9	3756.0	276.8	276.8	320.6	365.0	399.1	390.1	354.7	339.2
3052.4	77.5°	2491.1	1575.8	216.9	229.8	266.5	313.5	356.0	359.2	328.3	347.6
807.2	80°	662.4	434.5	165.4	180.9	209.2	258.8	309.6	308.3	274.9	256.8
300.0	82.5°	252.3	171.2	117.8	127.5	151.3	198.3	245.3	253.0	219.5	189.9
117.8	85°	97.2	73.4	72.7	76.6	88.2	131.3	185.4	191.8	165.4	140.3
32.8	87.5°	25.1	21.9	27.0	25.7	40.6	70.2	106.2	110.1	101.1	58.6
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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<u>180°</u>
1778.6
1696.8
1572.6
1459.3
1391.0
1371.7
1387.2
1409.1
1409.1
1376.9
1317.0
1238.5
1147.7
1047.3
959.1
919.2
860.6
780.8
715.2
671.4
639.2
620.5
574.2
552.3
525.9
500.2
469.9
437.7
405.5
368.2
334.7
315.4
238.8
189.9
144.8
83.7
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