

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: P947232

Luminaire Tested: **GALN-SB2C-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB2C-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8910 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G3

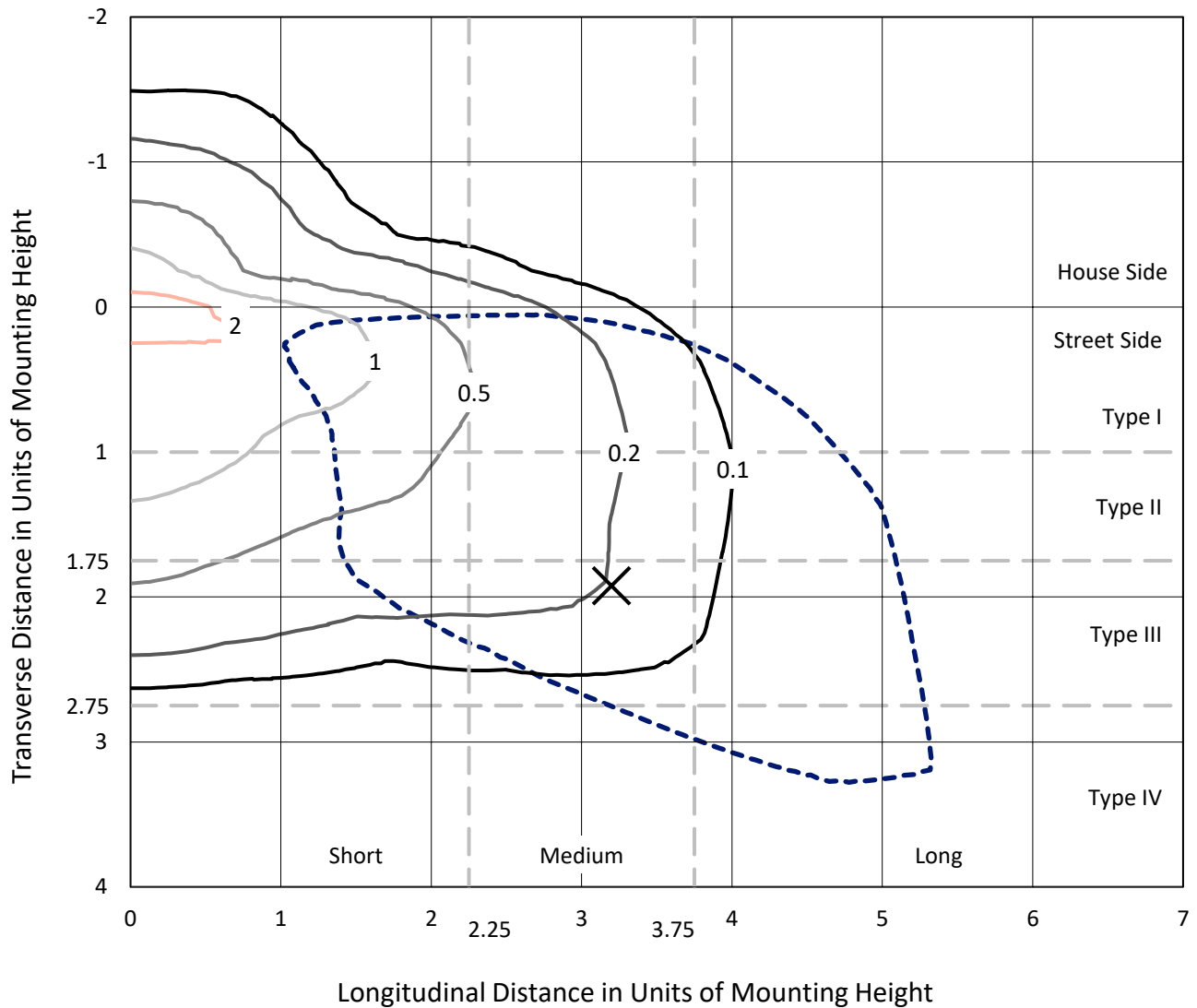
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

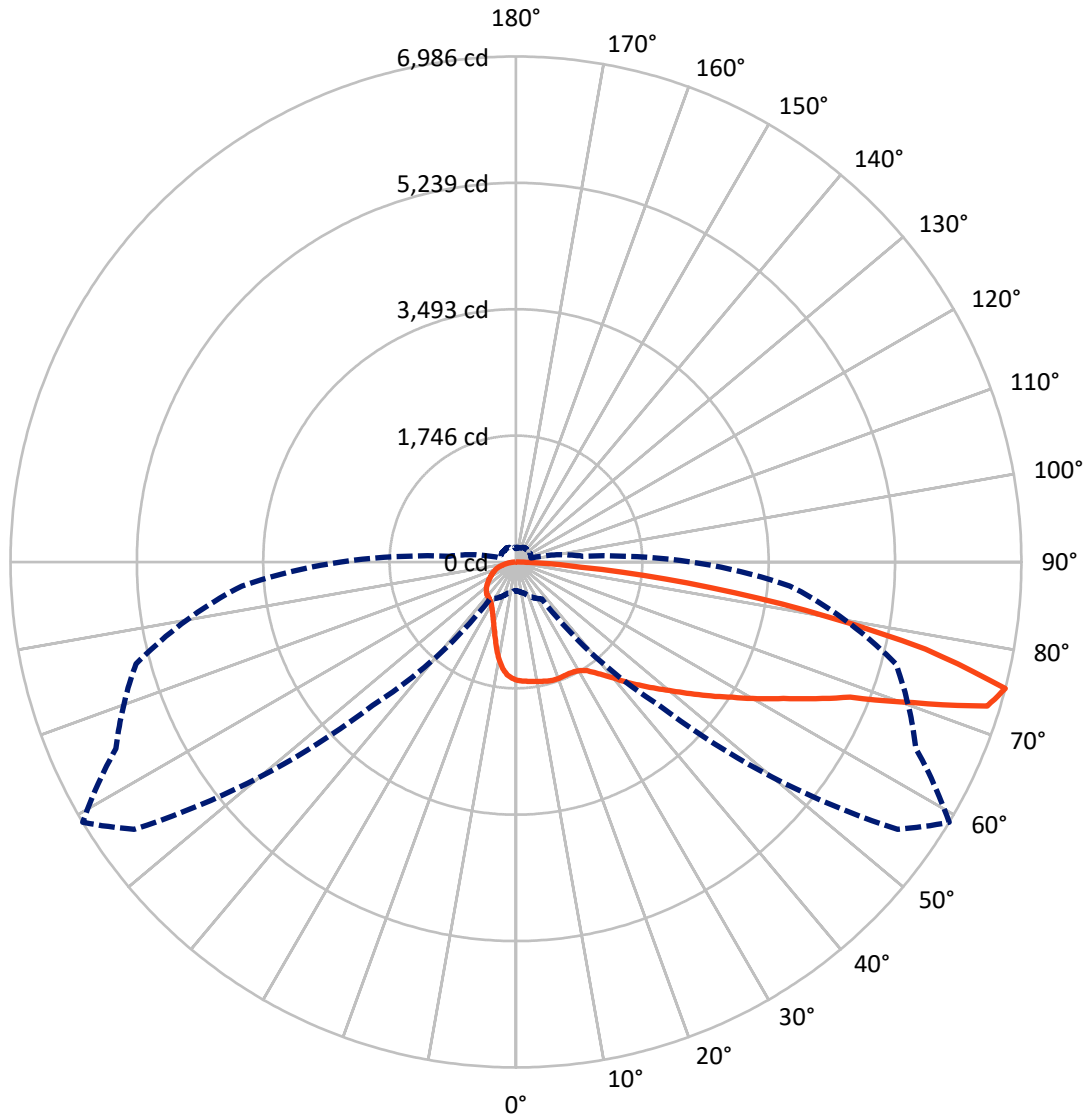
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1671.1	0.0	1671.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	7238.9	0.0	7238.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	8910.0	0.0	8910.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	1.6
10°-20°	374.8	4.2
20°-30°	569.3	6.4
30°-40°	846.3	9.5
40°-50°	1258.6	14.1
50°-60°	1708.4	19.2
60°-70°	2085.6	23.4
70°-80°	1636.8	18.4
80°-90°	283.5	3.2
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°	8910.0	100.0
0°-180°	8910.0	100.0

Coefficient of Utilization



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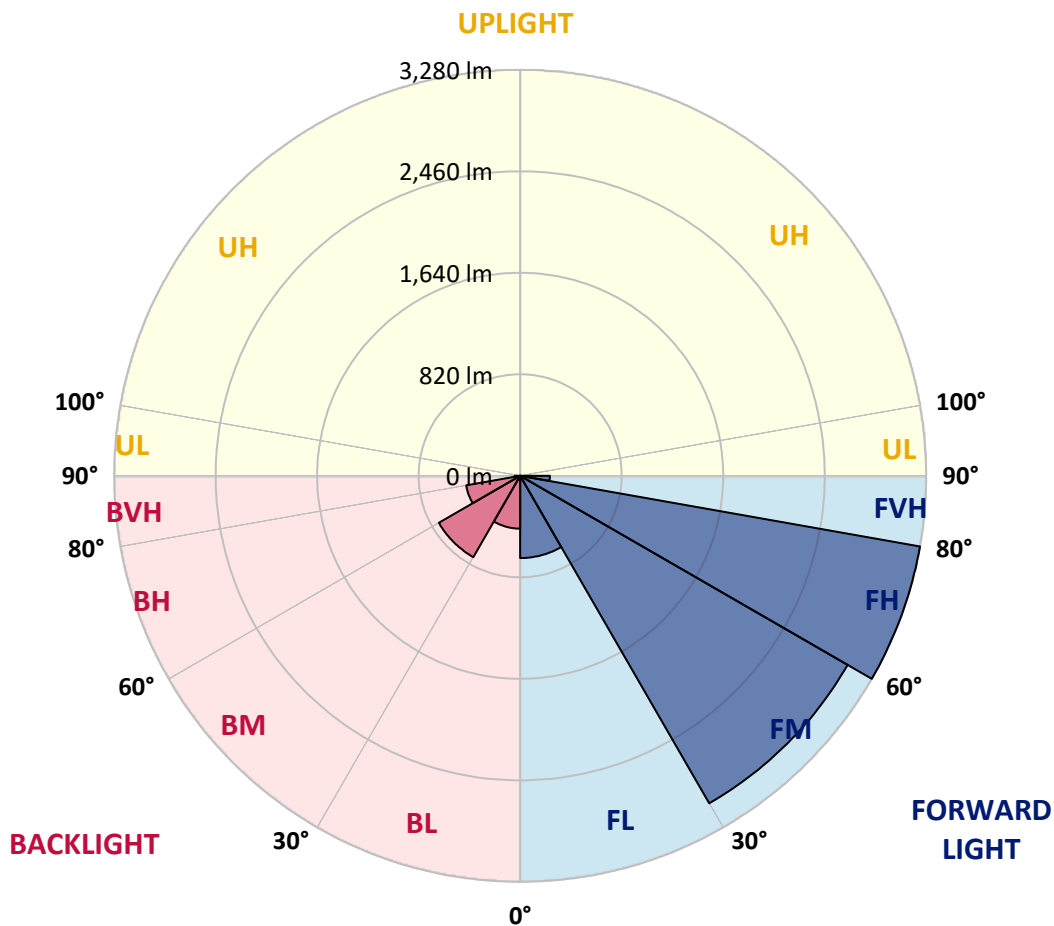
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	664.3	7.5			
FM (30°-60°)	3054.7	34.3			
FH (60°-80°)	3279.7	36.8			G2/5000
FVH (80°-90°)	240.1	2.7			G3/500
BL (0°-30°)	426.5	4.8	B1/500		
BM (30°-60°)	758.5	8.5	B1/1000		
BH (60°-80°)	442.7	5.0	B1/500		G1/500
BVH (80°-90°)	43.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4
2.5°	1649.3	1643.6	1649.3	1646.9	1646.0	1644.0	1644.5	1647.9	1646.0	1648.4
5°	1638.3	1634.9	1640.7	1639.2	1645.5	1646.4	1652.7	1656.5	1658.9	1659.4
7.5°	1620.1	1616.7	1624.9	1631.6	1645.0	1648.8	1661.8	1668.0	1671.4	1677.1
10°	1553.4	1552.0	1572.1	1597.5	1629.2	1648.8	1668.5	1679.0	1684.3	1699.6
12.5°	1435.5	1437.5	1463.8	1512.7	1576.0	1639.2	1676.2	1691.5	1699.6	1718.8
15°	1322.9	1322.4	1351.2	1403.4	1492.1	1597.1	1680.0	1706.3	1720.2	1748.5
17.5°	1257.7	1255.8	1275.9	1315.7	1398.2	1532.4	1670.4	1714.5	1744.2	1779.7
20°	1245.7	1241.9	1252.4	1272.1	1330.6	1461.4	1645.5	1714.5	1763.4	1809.4
22.5°	1289.3	1283.1	1278.8	1276.4	1302.3	1402.9	1617.2	1708.7	1791.7	1852.1
25°	1377.1	1367.5	1345.4	1323.9	1316.2	1376.6	1592.3	1707.3	1833.8	1909.6
27.5°	1518.9	1507.0	1462.4	1410.6	1364.1	1390.0	1581.2	1715.9	1880.3	1970.4
30°	1694.8	1681.9	1625.8	1546.3	1462.9	1439.9	1595.1	1741.3	1939.8	2051.5
32.5°	1852.5	1838.2	1790.2	1709.2	1596.6	1526.1	1639.2	1789.7	2033.2	2164.1
35°	1992.5	1975.7	1932.6	1857.8	1760.5	1647.4	1718.8	1875.5	2166.0	2347.2
37.5°	2129.6	2109.9	2063.0	1983.9	1915.8	1808.9	1828.6	1985.8	2342.4	2569.6
40°	2283.0	2254.7	2197.6	2119.5	2053.4	1998.2	1972.8	2121.0	2521.7	2817.9
42.5°	2431.5	2404.7	2336.6	2270.0	2187.1	2171.3	2140.1	2279.1	2717.7	3090.6
45°	2591.6	2559.5	2477.1	2392.7	2340.5	2286.3	2302.1	2437.3	2909.9	3368.6
47.5°	2741.7	2705.7	2608.4	2514.5	2485.7	2383.1	2450.7	2611.3	3109.8	3650.4
50°	2822.7	2787.2	2706.2	2621.4	2598.8	2502.5	2611.8	2802.5	3319.2	3931.3
52.5°	2890.2	2851.9	2746.0	2699.0	2692.3	2632.4	2810.2	3021.1	3528.7	4179.6
55°	2962.1	2919.5	2784.3	2742.1	2772.8	2778.1	3045.5	3268.9	3750.1	4421.6
57.5°	3045.1	2990.9	2821.2	2778.6	2851.4	2948.7	3315.9	3525.8	3967.7	4646.0
60°	3123.2	3068.6	2892.2	2836.6	2936.3	3146.7	3626.0	3836.9	4214.1	4845.8
62.5°	3138.5	3093.5	2948.7	2948.2	3051.3	3377.7	3993.1	4150.8	4429.3	5043.3
65°	2873.0	2844.7	2758.9	2943.9	3216.2	3710.3	4402.0	4552.5	4703.0	5215.9
67.5°	2186.6	2190.5	2184.2	2541.3	3082.9	4188.2	4993.9	4982.4	5040.9	5409.5
70°	999.8	1022.4	1169.0	1754.3	2469.9	4243.3	5972.7	5823.6	5465.1	5660.2
72.5°	540.2	557.4	617.4	849.8	1484.9	3772.7	6704.1	6810.1	6029.3	5828.9
75°	396.4	406.0	447.7	540.2	623.6	2804.0	6441.9	6985.5	6099.7	5435.4
77.5°	296.7	301.0	335.0	428.0	319.2	1478.2	5147.3	5785.3	5221.6	4465.7
80°	215.2	220.0	245.4	321.1	223.8	540.7	3534.4	4060.7	3576.1	2846.6
82.5°	148.6	150.5	161.5	218.6	156.3	209.9	2005.4	2381.2	1996.3	998.9
85°	89.6	92.0	96.8	127.5	88.7	99.7	865.6	895.4	596.7	238.7
87.5°	36.9	39.3	43.1	53.7	35.0	27.8	142.8	179.3	111.7	70.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1635.4	0°	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4
1640.2	2.5°	1637.8	1634.5	1625.3	1612.9	1601.4	1587.0	1580.8	1575.5	1570.7	1561.6
1653.1	5°	1647.9	1638.8	1614.3	1582.7	1546.7	1507.4	1469.1	1442.7	1420.2	1403.4
1668.0	7.5°	1663.2	1646.0	1601.4	1536.7	1454.2	1369.9	1293.7	1239.5	1198.8	1183.9
1689.1	10°	1679.0	1658.4	1580.8	1466.7	1324.3	1194.4	1093.3	1037.7	1005.1	994.6
1714.0	12.5°	1697.7	1667.5	1548.7	1369.4	1179.1	1036.8	948.6	916.0	899.2	893.4
1744.7	15°	1725.0	1675.2	1500.2	1247.6	1040.6	921.7	864.7	842.2	833.5	833.0
1776.3	17.5°	1745.7	1676.6	1425.0	1117.3	934.2	852.2	805.2	796.6	802.4	811.0
1807.5	20°	1768.7	1663.7	1326.3	998.4	859.4	791.3	771.7	777.4	791.3	803.8
1848.7	22.5°	1785.0	1640.2	1206.9	905.9	794.7	756.4	755.4	767.4	775.0	781.3
1897.1	25°	1799.3	1600.4	1080.4	828.3	741.5	735.3	745.8	742.0	736.7	742.0
1945.5	27.5°	1809.9	1537.6	967.3	760.2	704.1	720.9	714.7	706.0	705.5	708.4
2002.6	30°	1806.5	1453.8	874.3	695.5	677.7	694.0	679.2	677.7	676.3	677.7
2088.4	32.5°	1806.5	1358.4	802.8	650.9	661.0	654.7	653.3	649.9	644.2	643.7
2204.8	35°	1816.6	1263.0	741.5	626.9	647.1	632.2	633.2	625.0	613.0	607.3
2359.2	37.5°	1837.2	1186.3	680.6	615.4	622.6	622.1	618.3	604.4	583.3	565.1
2551.9	40°	1887.0	1163.8	638.9	610.2	611.1	616.9	606.8	580.0	532.0	502.3
2747.4	42.5°	1965.2	1201.6	629.8	597.2	603.5	609.2	589.6	527.2	493.2	475.5
2952.6	45°	2064.4	1267.8	649.5	578.5	585.2	595.3	536.8	507.1	491.8	492.3
3155.8	47.5°	2190.0	1337.3	685.9	562.2	558.9	564.6	501.8	483.6	462.5	467.8
3350.9	50°	2335.2	1407.7	720.4	540.2	529.6	510.9	479.3	462.1	435.2	422.8
3539.2	52.5°	2492.4	1475.8	734.3	513.3	498.0	476.4	464.0	442.9	410.3	389.7
3717.1	55°	2641.5	1537.6	719.0	481.2	466.4	449.6	447.7	434.7	399.7	371.0
3875.2	57.5°	2782.4	1589.4	680.6	448.6	434.3	424.2	437.1	430.9	386.8	349.9
4024.8	60°	2901.8	1624.9	625.0	415.6	405.5	400.2	419.9	418.0	368.6	327.4
4159.0	62.5°	2996.7	1638.8	563.7	383.9	381.5	371.9	395.9	395.9	345.6	305.3
4276.9	65°	3070.9	1625.3	501.4	352.8	357.6	343.2	366.7	363.8	321.1	285.7
4412.5	67.5°	3136.6	1581.2	432.3	322.1	333.1	314.9	336.0	329.3	294.3	266.0
4530.0	70°	3165.9	1478.7	353.7	291.4	304.8	287.1	305.3	292.9	264.1	244.9
4401.0	72.5°	2931.0	1229.0	278.5	259.3	270.8	256.4	272.2	257.9	231.5	222.9
3800.5	75°	2424.8	922.2	214.3	224.3	232.9	221.9	232.5	221.9	198.0	204.2
2807.3	77.5°	1761.0	622.6	163.9	187.4	191.2	185.5	194.6	182.6	161.0	159.6
1399.1	80°	875.7	364.8	128.5	148.1	146.7	142.8	153.4	147.6	129.4	137.1
377.7	82.5°	253.6	156.3	93.5	104.0	101.1	102.1	109.8	112.6	168.7	167.3
117.4	85°	79.6	61.4	56.1	58.0	55.1	56.6	64.7	128.5	118.9	69.5
36.4	87.5°	20.6	21.1	13.9	14.9	15.3	18.2	20.6	78.1	37.4	24.4
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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<u>180°</u>
1635.4
1557.3
1389.5
1158.0
978.3
894.9
835.0
814.4
808.1
784.6
745.3
713.2
683.0
649.9
613.0
571.3
506.2
475.5
494.6
481.2
426.1
389.2
371.0
348.0
325.9
303.9
283.8
264.1
241.1
215.7
186.5
152.4
135.6
171.1
75.3
25.9
0.0

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