

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: P940409

Luminaire Tested: **GALN-SB3B-950-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3B-950-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

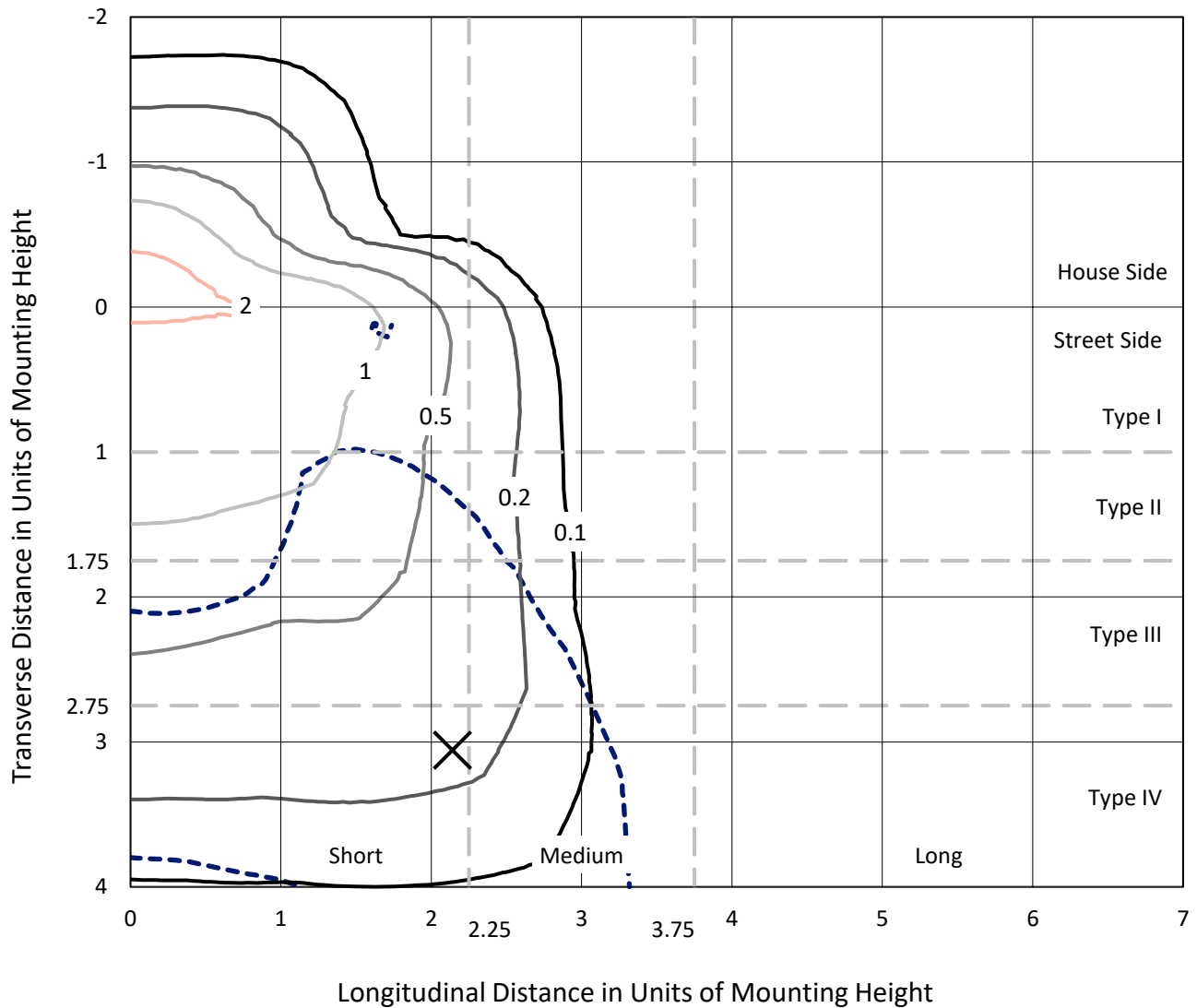
Lumens per Lamp: N/A  
Luminaire Lumens: 11617 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

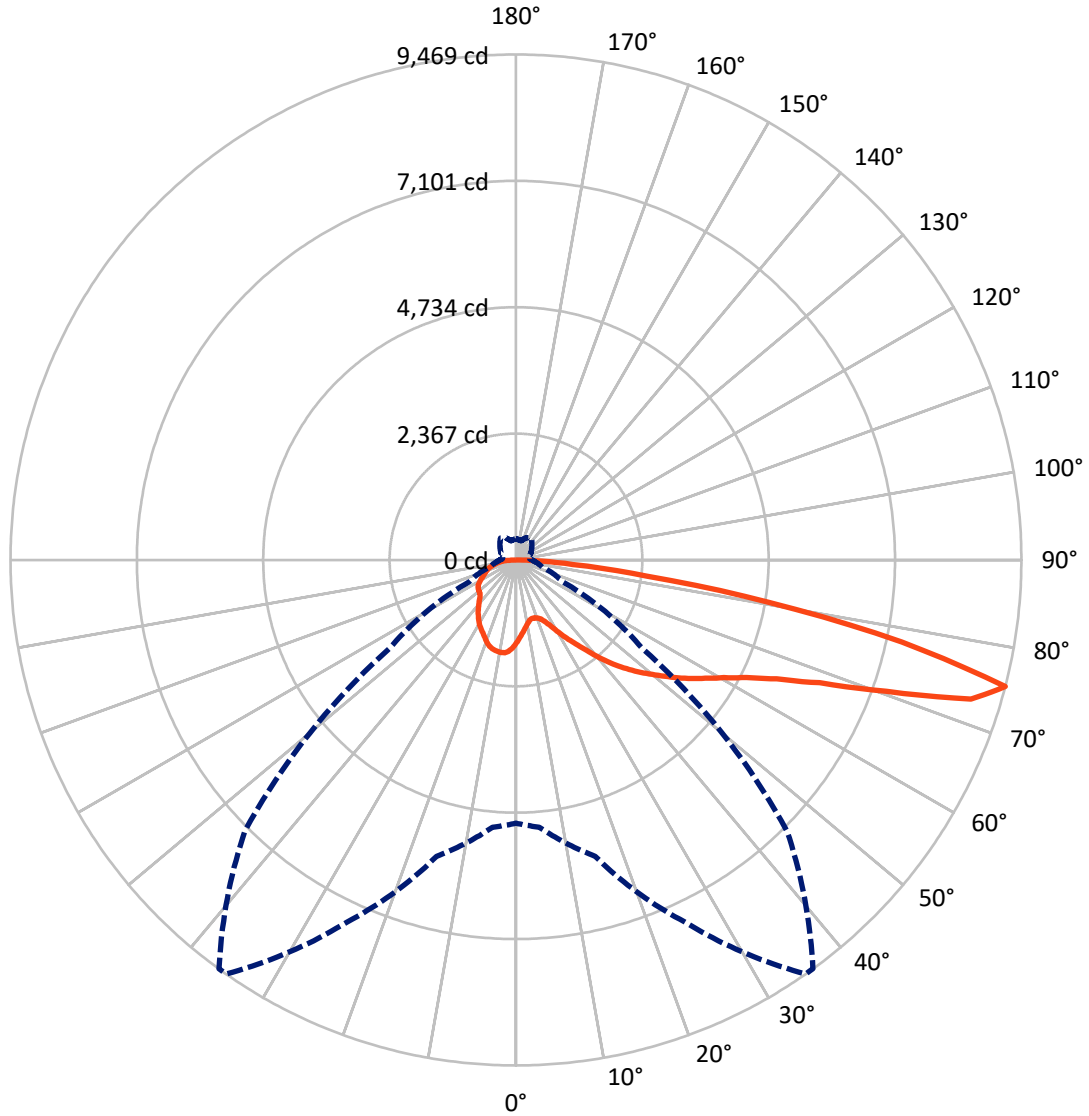
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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
<b>House Side</b>	Lumens	2764.5	0.0	2764.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	8852.4	0.0	8852.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	11617.0	0.0	11617.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.6	1.3
10°-20°	422.8	3.6
20°-30°	709.9	6.1
30°-40°	1103.3	9.5
40°-50°	1637.7	14.1
50°-60°	2260.9	19.5
60°-70°	2743.0	23.6
70°-80°	2266.8	19.5
80°-90°	326.0	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°	11617.0	100.0
0°-180°	11617.0	100.0

**Coefficient of Utilization**



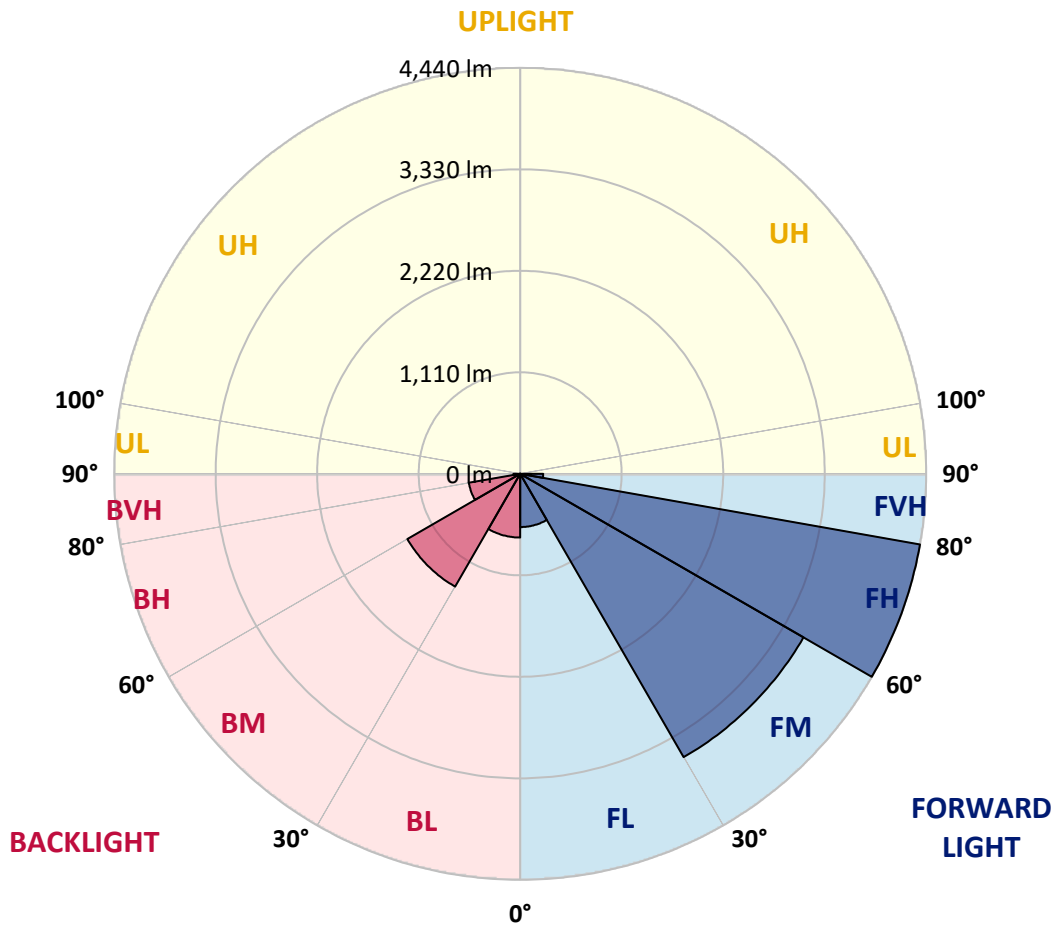
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.6	5.0			
FM (30°-60°)	3577.4	30.8			
FH (60°-80°)	4439.8	38.2			G2/5000
FVH (80°-90°)	252.6	2.2			G3/500
BL (0°-30°)	696.7	6.0	B2/1000		
BM (30°-60°)	1424.5	12.3	B2/2500		
BH (60°-80°)	570.0	4.9	B2/1000		G2/1000
BVH (80°-90°)	73.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0
2.5°	1427.5	1436.3	1440.0	1438.1	1447.6	1446.3	1459.5	1475.8	1498.4	1520.4
5°	1317.6	1327.0	1335.1	1342.7	1360.9	1366.5	1387.3	1418.7	1460.1	1502.2
7.5°	1215.2	1223.4	1235.9	1249.7	1280.5	1286.2	1320.7	1369.7	1427.5	1489.0
10°	1131.7	1139.8	1153.0	1168.7	1207.0	1213.9	1257.9	1323.2	1398.6	1476.5
12.5°	1095.9	1098.4	1105.9	1121.6	1154.9	1159.3	1207.7	1282.4	1370.3	1467.0
15°	1094.0	1099.0	1099.6	1107.8	1135.4	1137.3	1181.9	1256.0	1352.7	1465.1
17.5°	1112.8	1116.6	1110.9	1116.0	1139.2	1142.3	1177.5	1243.5	1347.1	1473.3
20°	1163.1	1166.2	1149.3	1142.3	1159.3	1161.8	1196.4	1251.6	1352.7	1490.3
22.5°	1269.8	1271.7	1230.3	1202.0	1203.3	1204.5	1234.7	1284.9	1374.7	1521.0
25°	1436.3	1435.0	1369.1	1314.4	1283.0	1276.1	1296.2	1338.9	1411.8	1561.9
27.5°	1630.9	1621.5	1555.6	1473.9	1405.5	1395.4	1391.0	1409.3	1464.5	1615.9
30°	1850.7	1842.0	1771.0	1664.2	1569.4	1553.1	1511.6	1502.2	1543.0	1689.3
32.5°	2091.9	2086.2	2001.5	1872.1	1745.2	1726.4	1656.7	1631.6	1663.6	1800.5
35°	2294.1	2289.1	2218.8	2085.6	1930.5	1907.3	1836.3	1808.0	1824.4	1943.1
37.5°	2476.9	2474.4	2414.1	2309.2	2149.0	2120.8	2041.0	2031.6	2028.5	2130.8
40°	2646.4	2640.2	2577.4	2522.1	2403.4	2377.6	2307.3	2299.1	2275.3	2361.9
42.5°	2834.2	2817.9	2726.8	2701.1	2669.0	2647.7	2605.6	2606.9	2554.1	2622.6
45°	2987.4	2978.0	2884.4	2869.4	2903.9	2895.1	2931.5	2941.0	2838.6	2895.8
47.5°	3152.0	3143.2	3064.1	3053.4	3147.0	3149.5	3278.2	3281.4	3116.2	3179.6
50°	3354.8	3342.3	3263.8	3277.0	3381.8	3391.3	3626.8	3605.4	3371.8	3467.9
52.5°	3488.6	3496.1	3479.2	3500.5	3643.7	3652.5	3969.6	3915.0	3624.9	3752.4
55°	3587.2	3602.3	3655.0	3704.0	3920.0	3928.8	4293.1	4209.5	3834.6	4016.1
57.5°	3714.0	3692.7	3791.3	3886.8	4182.5	4205.8	4607.7	4493.4	4020.5	4243.5
60°	3896.2	3881.1	3957.7	4099.0	4476.5	4513.5	4940.6	4749.0	4156.8	4423.7
62.5°	4265.4	4227.8	4239.7	4364.7	4847.0	4896.0	5316.1	4972.0	4224.6	4494.0
65°	4817.5	4752.8	4692.5	4779.2	5368.9	5417.2	5740.0	5147.2	4199.5	4357.8
67.5°	5512.7	5448.6	5374.5	5456.1	6137.5	6175.8	6263.1	5245.8	4001.7	3832.7
70°	6086.0	6062.2	6150.7	6486.7	7365.3	7366.6	6933.9	5164.1	3459.7	2717.4
72.5°	6010.1	5995.6	6462.2	7500.9	8912.7	8879.4	7568.8	4546.2	2330.5	1225.9
75°	4930.5	5024.1	5746.9	7482.7	9468.5	9464.1	7180.0	2890.1	964.0	508.1
77.5°	2643.9	2792.1	3731.0	5524.6	7391.7	7502.8	5047.9	1011.1	413.9	325.3
80°	862.3	991.6	1487.1	2812.9	4803.0	4782.3	2163.5	396.9	283.2	230.5
82.5°	366.1	381.2	664.4	1328.2	2464.9	2426.6	688.9	228.0	199.1	157.6
85°	143.2	160.1	293.3	614.2	1067.6	1044.4	248.7	113.0	127.5	103.0
87.5°	47.1	57.1	104.9	210.4	332.2	320.3	60.9	38.9	55.3	47.1
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°
1548.0	0°	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0
1552.4	2.5°	1561.2	1571.3	1583.2	1600.8	1615.9	1628.4	1641.6	1649.8	1652.9	1662.3
1555.0	5°	1572.5	1594.5	1624.0	1652.9	1681.2	1698.1	1713.2	1720.7	1727.7	1732.7
1561.9	7.5°	1591.4	1619.6	1666.1	1703.8	1727.7	1741.5	1751.5	1749.0	1751.5	1752.8
1569.4	10°	1607.7	1647.3	1702.5	1738.3	1756.5	1757.2	1754.7	1745.9	1741.5	1742.1
1580.7	12.5°	1627.2	1671.1	1730.8	1760.9	1766.0	1752.1	1741.5	1726.4	1720.7	1718.2
1597.7	15°	1653.5	1703.8	1761.6	1772.9	1760.3	1742.7	1724.5	1700.0	1687.5	1677.4
1626.5	17.5°	1685.6	1740.8	1785.4	1777.3	1750.3	1721.4	1691.9	1654.8	1629.1	1618.4
1666.1	20°	1730.2	1779.8	1803.6	1767.8	1727.0	1683.1	1632.8	1587.6	1563.7	1553.1
1716.4	22.5°	1784.2	1831.9	1821.2	1751.5	1693.7	1623.4	1560.6	1527.3	1515.4	1507.9
1781.0	25°	1848.9	1889.7	1833.8	1727.7	1639.1	1544.3	1495.9	1485.2	1479.6	1473.9
1860.2	27.5°	1933.0	1955.0	1843.2	1692.5	1553.7	1460.1	1442.5	1444.4	1442.5	1433.1
1970.1	30°	2044.2	2039.8	1852.0	1635.3	1455.7	1384.1	1385.4	1393.6	1394.8	1388.5
2123.3	32.5°	2190.5	2145.9	1856.4	1561.2	1362.2	1317.6	1318.8	1327.6	1333.9	1323.2
2323.6	35°	2367.6	2269.6	1849.5	1468.3	1289.9	1254.1	1244.7	1247.2	1249.1	1239.1
2566.7	37.5°	2574.2	2408.4	1818.7	1365.3	1230.3	1192.0	1171.9	1154.9	1144.9	1135.4
2841.7	40°	2800.9	2559.8	1762.2	1264.8	1163.7	1126.0	1095.9	1063.8	1029.9	1017.4
3133.1	42.5°	3038.3	2715.5	1693.7	1168.7	1087.1	1056.3	1024.3	977.8	926.9	901.2
3435.8	45°	3284.5	2875.0	1626.5	1073.9	1008.6	995.4	958.3	902.4	847.2	814.5
3739.2	47.5°	3525.6	3025.8	1527.9	978.4	935.1	949.6	920.7	869.2	807.6	756.1
4040.0	50°	3756.1	3167.1	1366.5	881.7	875.4	935.7	908.1	834.0	763.7	697.7
4335.2	52.5°	3984.7	3281.4	1159.9	793.8	843.4	932.0	891.8	810.1	724.1	655.0
4612.7	55°	4178.8	3340.4	960.9	718.4	796.9	899.9	872.3	781.9	668.2	594.7
4803.0	57.5°	4289.3	3292.7	795.1	644.3	732.9	847.2	839.0	721.6	601.6	545.1
4840.1	60°	4241.6	3099.2	659.4	579.7	672.0	790.0	781.2	661.9	550.8	497.4
4641.6	62.5°	3978.4	2730.6	552.0	523.1	616.7	731.6	723.5	616.1	511.8	460.3
4114.7	65°	3448.4	2221.3	468.5	476.0	560.8	661.3	673.2	577.8	481.1	430.8
3183.4	67.5°	2630.1	1609.0	403.2	435.2	506.2	592.2	626.8	550.1	455.3	407.6
1842.0	70°	1499.1	913.8	347.9	395.6	457.8	528.2	591.0	528.2	427.7	388.1
690.2	72.5°	568.3	419.5	300.8	356.1	411.3	474.1	551.4	493.6	395.6	366.1
356.7	75°	303.3	255.6	253.1	309.6	358.0	421.4	501.8	459.7	371.8	386.9
246.8	77.5°	206.6	180.9	211.6	265.0	299.6	363.0	449.0	408.2	322.2	320.9
170.8	80°	143.2	128.1	172.1	213.5	231.7	305.2	391.9	350.4	262.5	244.9
105.5	82.5°	86.0	83.5	128.7	159.5	163.9	235.5	324.7	293.9	214.8	187.1
62.8	85°	47.1	49.6	82.3	93.6	95.5	164.5	254.3	227.3	165.2	138.8
22.6	87.5°	13.2	17.0	30.1	37.1	45.8	85.4	151.4	135.0	82.9	57.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
1548.0
1661.7
1733.9
1754.7
1743.4
1717.0
1680.6
1619.0
1551.8
1509.1
1473.9
1435.0
1391.7
1328.2
1246.0
1141.7
1023.0
904.3
812.0
750.5
692.1
647.5
588.4
537.6
489.8
452.2
422.7
400.0
383.1
361.1
399.4
295.8
234.2
188.4
140.0
57.8
0.0

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