

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: P940405

Luminaire Tested: **GALN-SB3B-950-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940405  
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-950-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11646 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

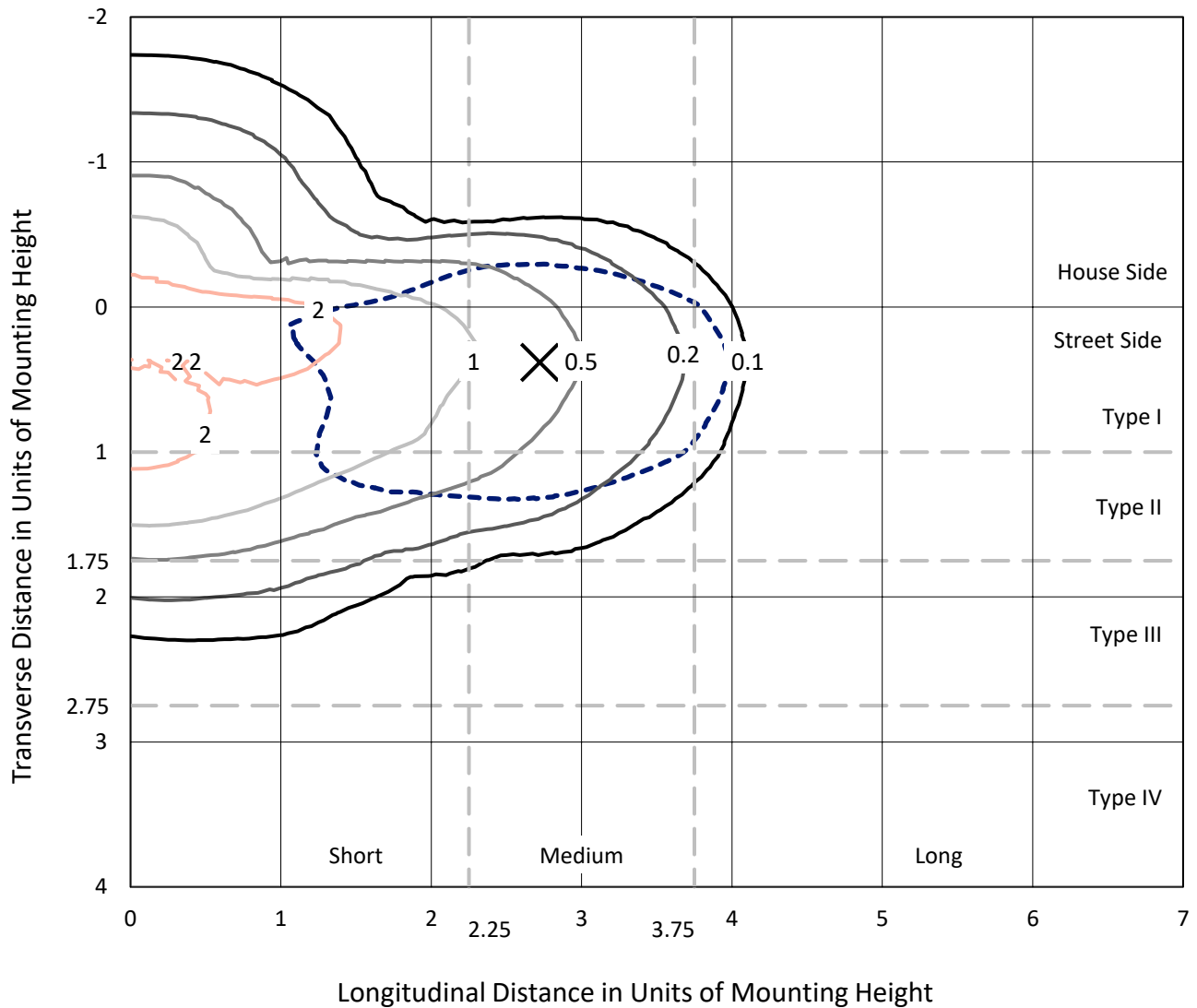
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

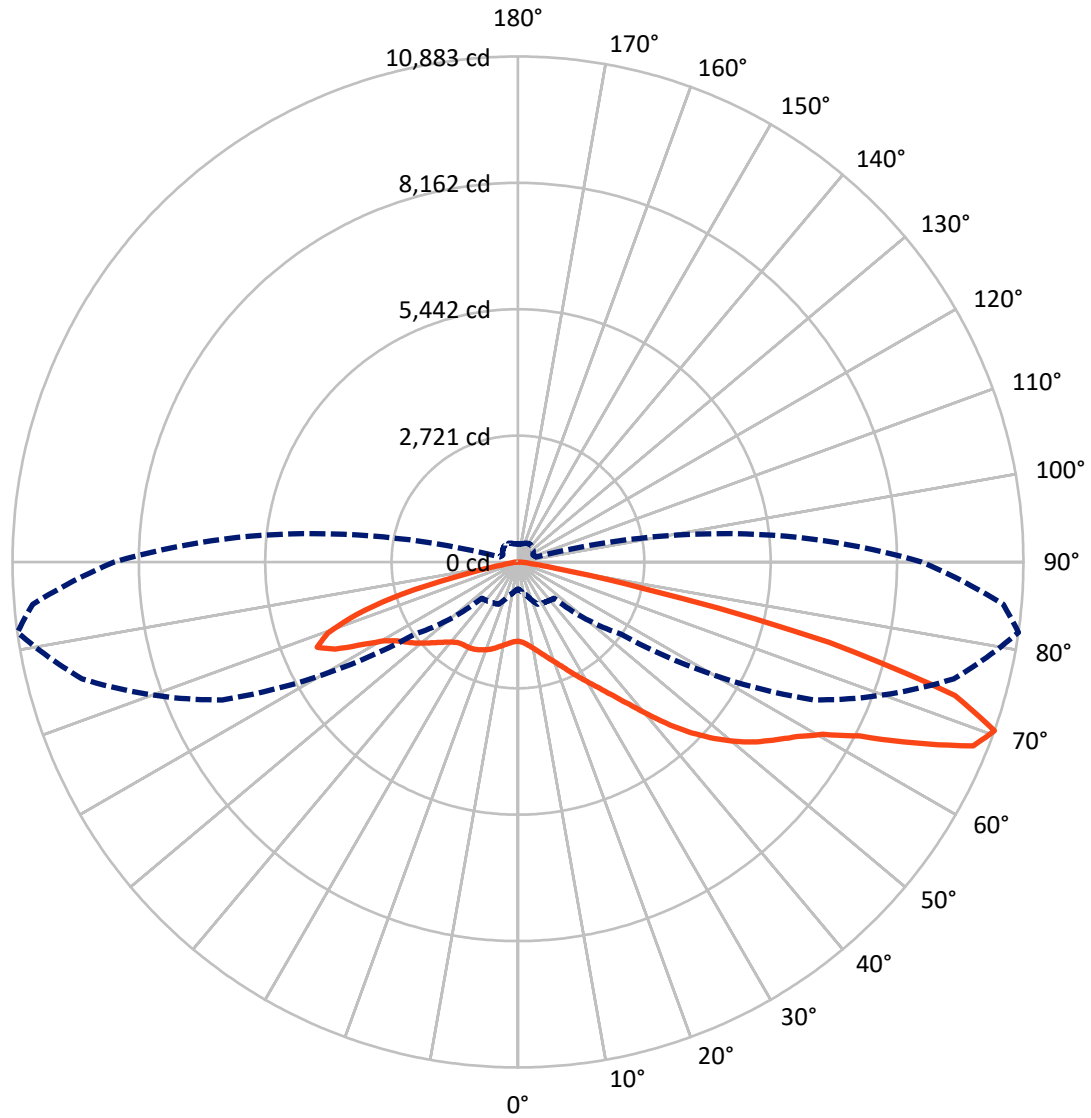
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	2871.0	0.0	2871.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	8775.0	0.0	8775.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	11646.0	0.0	11646.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.2	1.4
10°-20°	463.2	4.0
20°-30°	774.8	6.7
30°-40°	1210.5	10.4
40°-50°	1927.9	16.6
50°-60°	2682.9	23.0
60°-70°	2806.4	24.1
70°-80°	1466.8	12.6
80°-90°	152.3	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°	11646.0	100.0
0°-180°	11646.0	100.0

**Coefficient of Utilization**



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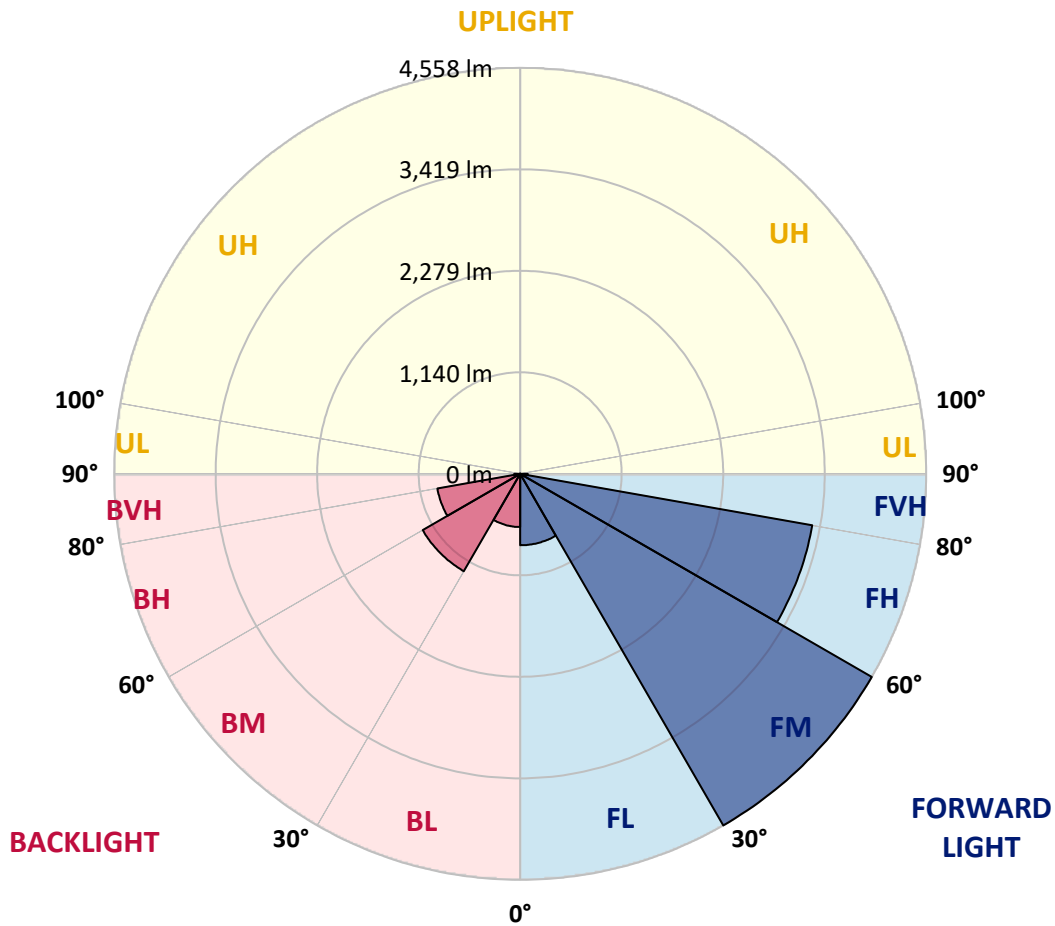
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	802.0	6.9			
FM (30°-60°)	4558.1	39.1			
FH (60°-80°)	3329.6	28.6			G2/5000
FVH (80°-90°)	85.3	0.7			G1/100
BL (0°-30°)	597.3	5.1	B2/1000		
BM (30°-60°)	1263.1	10.8	B2/2500		
BH (60°-80°)	943.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	67.0	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°	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4
2.5°	1748.2	1758.1	1755.0	1751.9	1751.9	1747.6	1747.0	1740.8	1735.9	1727.8
5°	1770.5	1781.0	1779.8	1782.2	1790.3	1792.1	1794.0	1790.3	1780.4	1770.5
7.5°	1750.7	1762.4	1766.2	1781.0	1805.7	1828.0	1844.6	1851.4	1842.2	1828.0
10°	1684.0	1696.9	1709.9	1745.1	1789.0	1841.5	1886.0	1912.6	1910.8	1897.2
12.5°	1548.6	1562.2	1590.0	1658.6	1739.0	1831.7	1914.5	1970.1	1989.2	1979.4
15°	1440.5	1452.2	1473.2	1543.7	1648.1	1789.0	1925.0	2033.1	2081.9	2076.4
17.5°	1437.4	1442.3	1455.3	1488.7	1569.0	1722.3	1913.9	2094.9	2188.2	2187.6
20°	1491.8	1493.6	1501.0	1507.8	1553.6	1671.6	1885.4	2146.2	2307.5	2307.5
22.5°	1567.2	1565.9	1573.3	1567.2	1589.4	1667.3	1867.5	2191.3	2440.4	2450.2
25°	1680.3	1674.1	1672.2	1658.0	1662.3	1707.4	1887.3	2242.6	2597.9	2618.3
27.5°	1831.0	1821.2	1814.4	1781.6	1770.5	1790.3	1947.8	2304.4	2773.4	2808.7
30°	2027.6	2009.6	1999.7	1942.9	1902.7	1905.8	2039.3	2386.6	2957.0	3013.8
32.5°	2295.8	2267.9	2241.4	2148.1	2074.5	2050.4	2157.3	2500.3	3156.0	3246.8
35°	2596.1	2573.8	2545.4	2401.4	2288.3	2232.7	2316.8	2659.1	3388.9	3532.9
37.5°	2885.3	2866.1	2879.7	2685.7	2539.9	2458.9	2525.6	2872.3	3676.3	3888.9
40°	3184.4	3169.6	3171.4	2986.0	2816.1	2725.2	2779.0	3139.9	4005.7	4312.2
42.5°	3509.4	3498.3	3461.2	3296.9	3105.9	3021.3	3070.7	3448.9	4359.2	4794.2
45°	3873.4	3866.6	3832.0	3643.5	3424.8	3329.6	3396.4	3790.0	4714.5	5247.8
47.5°	4188.0	4193.5	4189.2	4030.4	3803.6	3663.9	3743.7	4146.0	5045.1	5674.2
50°	4339.4	4368.4	4411.1	4361.6	4220.7	4078.6	4094.0	4489.5	5360.3	6074.0
52.5°	4260.3	4315.3	4431.5	4510.6	4564.9	4535.3	4493.9	4830.7	5656.9	6434.9
55°	3965.5	4042.8	4235.6	4426.5	4704.0	4919.7	4974.0	5208.9	5946.1	6752.6
57.5°	3428.5	3553.9	3727.0	4113.2	4580.4	5105.7	5533.9	5733.5	6252.6	7091.8
60°	2507.7	2675.8	2890.9	3465.6	4147.8	5006.2	6010.4	6539.4	6688.3	7531.2
62.5°	1604.9	1708.7	1906.4	2447.8	3232.0	4496.3	6156.2	7546.6	7426.8	8251.7
65°	1098.7	1165.5	1346.6	1650.6	2089.4	3346.9	5765.7	8301.8	8599.7	9393.8
67.5°	798.4	849.1	1003.6	1269.9	1361.4	1980.6	4474.1	8267.2	9739.8	10570.4
70°	582.1	618.0	747.7	1003.6	1047.5	1101.8	2710.4	7027.5	9715.1	10883.1
72.5°	431.3	456.1	543.2	778.6	847.9	744.0	1341.6	5107.5	8348.1	9843.6
75°	312.1	330.6	394.9	595.7	678.5	566.7	669.3	2984.8	5823.1	6924.3
77.5°	238.5	252.7	294.8	436.3	543.2	425.2	415.3	1373.1	2761.1	2774.7
80°	191.6	200.8	223.7	307.1	416.5	318.3	270.7	554.3	872.6	738.5
82.5°	140.9	156.3	189.1	215.7	297.9	219.4	165.0	279.9	331.8	285.5
85°	80.3	90.8	114.3	154.5	190.3	134.1	94.5	124.2	154.5	126.7
87.5°	28.4	37.1	40.2	60.6	82.8	55.6	36.5	35.8	50.7	37.7
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°
1707.4	0°	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4	1707.4
1726.0	2.5°	1719.8	1716.7	1704.4	1687.7	1670.4	1653.7	1648.1	1636.4	1628.3	1624.0
1766.2	5°	1754.4	1744.5	1715.5	1678.4	1639.5	1597.5	1567.8	1540.6	1520.8	1502.3
1821.2	7.5°	1803.9	1786.5	1736.5	1671.6	1602.4	1532.6	1480.7	1441.1	1414.5	1397.2
1885.4	10°	1861.3	1834.8	1758.1	1661.1	1554.2	1454.1	1392.9	1358.9	1342.2	1333.0
1959.0	12.5°	1927.4	1889.8	1780.4	1637.0	1480.7	1366.3	1324.3	1314.4	1315.0	1315.7
2051.7	15°	2009.0	1956.5	1798.3	1584.5	1384.9	1299.0	1291.6	1307.6	1324.3	1332.3
2156.7	17.5°	2101.1	2026.9	1801.4	1498.0	1290.9	1255.7	1279.2	1313.8	1339.1	1350.3
2274.1	20°	2200.0	2098.6	1779.1	1375.6	1213.7	1220.5	1262.5	1307.0	1334.8	1349.0
2408.2	22.5°	2313.1	2175.3	1726.0	1247.1	1150.7	1182.2	1231.6	1274.9	1303.9	1318.1
2565.8	25°	2442.2	2261.1	1642.6	1138.9	1096.3	1138.9	1188.4	1224.2	1247.7	1260.7
2741.9	27.5°	2585.6	2350.8	1531.3	1053.0	1048.7	1094.4	1135.2	1163.0	1175.4	1185.3
2929.2	30°	2729.6	2432.3	1396.6	988.1	1007.3	1050.5	1079.6	1092.0	1095.7	1097.5
3138.0	32.5°	2885.3	2502.8	1255.1	934.4	967.7	1007.9	1025.2	1030.8	1013.5	1001.7
3391.4	35°	3073.8	2578.2	1116.7	891.7	928.8	963.4	969.0	964.0	943.6	919.5
3709.1	37.5°	3306.8	2672.1	1006.1	861.4	892.3	915.2	908.4	907.2	909.0	880.6
4091.0	40°	3592.3	2794.5	925.1	838.0	862.7	867.6	848.5	859.0	868.2	825.0
4509.9	42.5°	3909.3	2942.2	873.8	821.9	838.0	826.2	796.6	808.3	807.1	750.2
4930.8	45°	4232.5	3102.8	855.9	810.2	815.1	791.6	758.9	762.0	736.0	684.7
5334.3	47.5°	4553.8	3275.2	867.0	800.3	786.7	760.1	734.8	721.2	682.9	644.5
5721.2	50°	4869.0	3456.3	907.8	780.5	747.7	732.3	713.8	689.7	648.9	616.1
6087.0	52.5°	5161.3	3638.6	953.5	747.7	698.9	708.2	696.5	668.6	628.5	595.1
6433.1	55°	5438.1	3820.9	971.4	702.6	653.2	687.2	680.4	629.1	580.9	553.7
6795.2	57.5°	5739.7	4040.3	951.7	645.2	616.1	663.1	637.1	580.3	552.5	532.1
7266.7	60°	6157.4	4384.5	909.0	574.1	580.9	627.2	582.7	559.3	529.0	506.1
7973.7	62.5°	6851.4	5026.6	840.4	503.6	539.5	574.1	556.8	533.3	502.4	480.2
9182.4	65°	7877.3	5918.9	711.3	448.6	493.1	522.2	529.0	505.5	473.4	449.9
10241.6	67.5°	8742.4	6478.8	538.3	402.9	445.6	480.2	499.3	476.5	442.5	419.6
10489.4	70°	8694.8	6072.2	410.9	357.8	403.5	438.8	463.5	445.6	409.1	387.5
9527.9	72.5°	7722.8	5079.7	332.5	312.1	360.9	395.5	425.2	411.6	374.5	353.5
6980.0	75°	5673.6	3605.9	265.7	265.7	307.7	350.4	383.1	374.5	340.5	325.7
2930.4	77.5°	2391.5	1512.8	208.3	220.6	255.8	301.0	341.7	344.8	315.2	333.7
774.9	80°	635.9	417.1	158.8	173.6	200.8	248.4	297.2	296.0	263.9	246.6
288.0	82.5°	242.2	164.4	113.1	122.4	145.2	190.3	235.4	242.9	210.7	182.3
113.1	85°	93.3	70.4	69.8	73.5	84.7	126.1	178.0	184.2	158.8	134.7
31.5	87.5°	24.1	21.0	26.0	24.7	38.9	67.4	102.0	105.7	97.0	56.2
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>
1707.4
1629.0
1509.7
1400.9
1335.4
1316.9
1331.7
1352.7
1352.7
1321.8
1264.4
1189.0
1101.8
1005.4
920.8
882.5
826.2
749.6
686.6
644.5
613.6
595.7
551.2
530.2
504.9
480.2
451.1
420.2
389.3
353.5
321.3
302.8
229.3
182.3
139.0
80.3
0.0

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