

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: P948376

Luminaire Tested: **GALN-SB3B-940-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948376  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
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-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

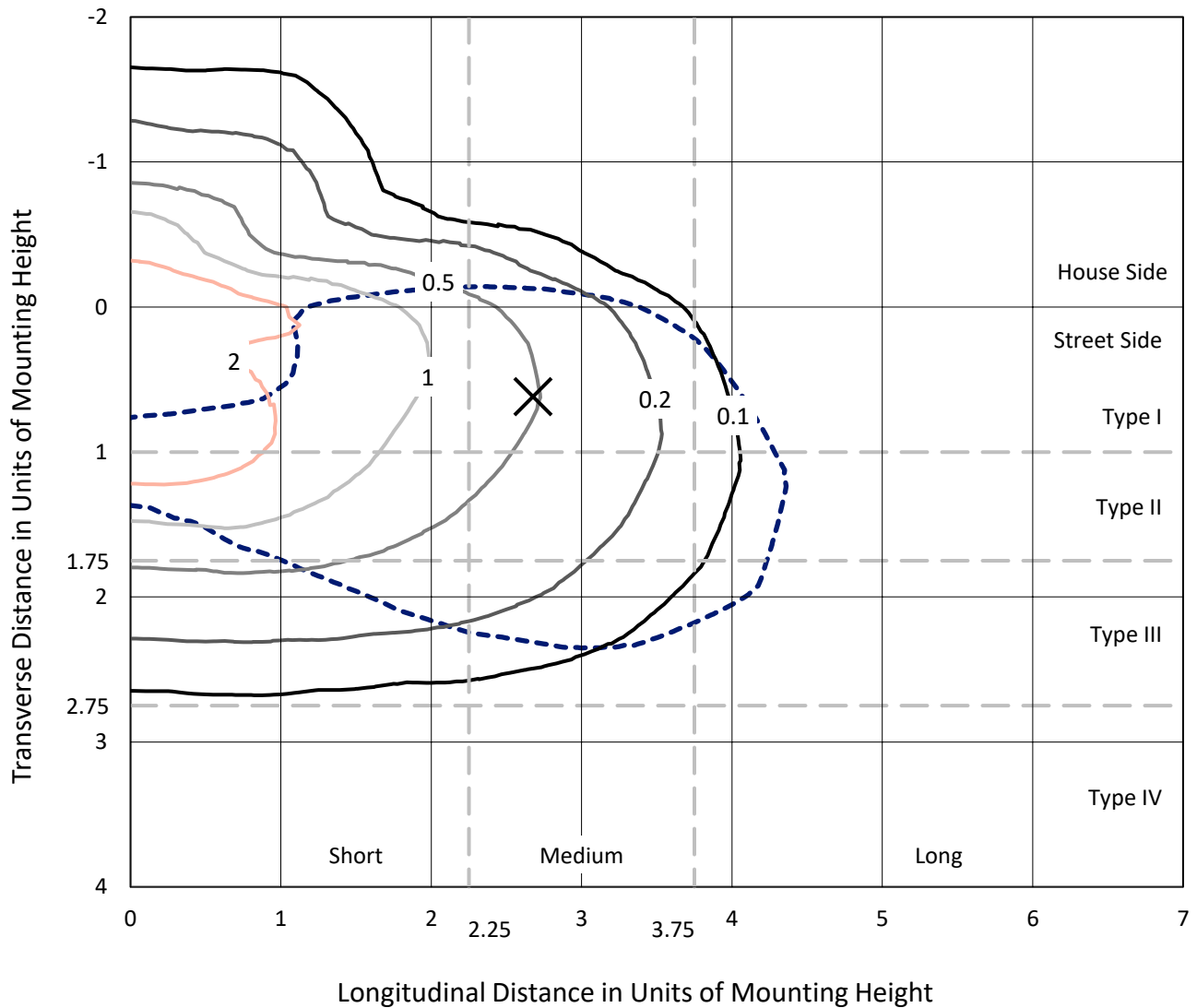
Lumens per Lamp: N/A  
Luminaire Lumens: 12569 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

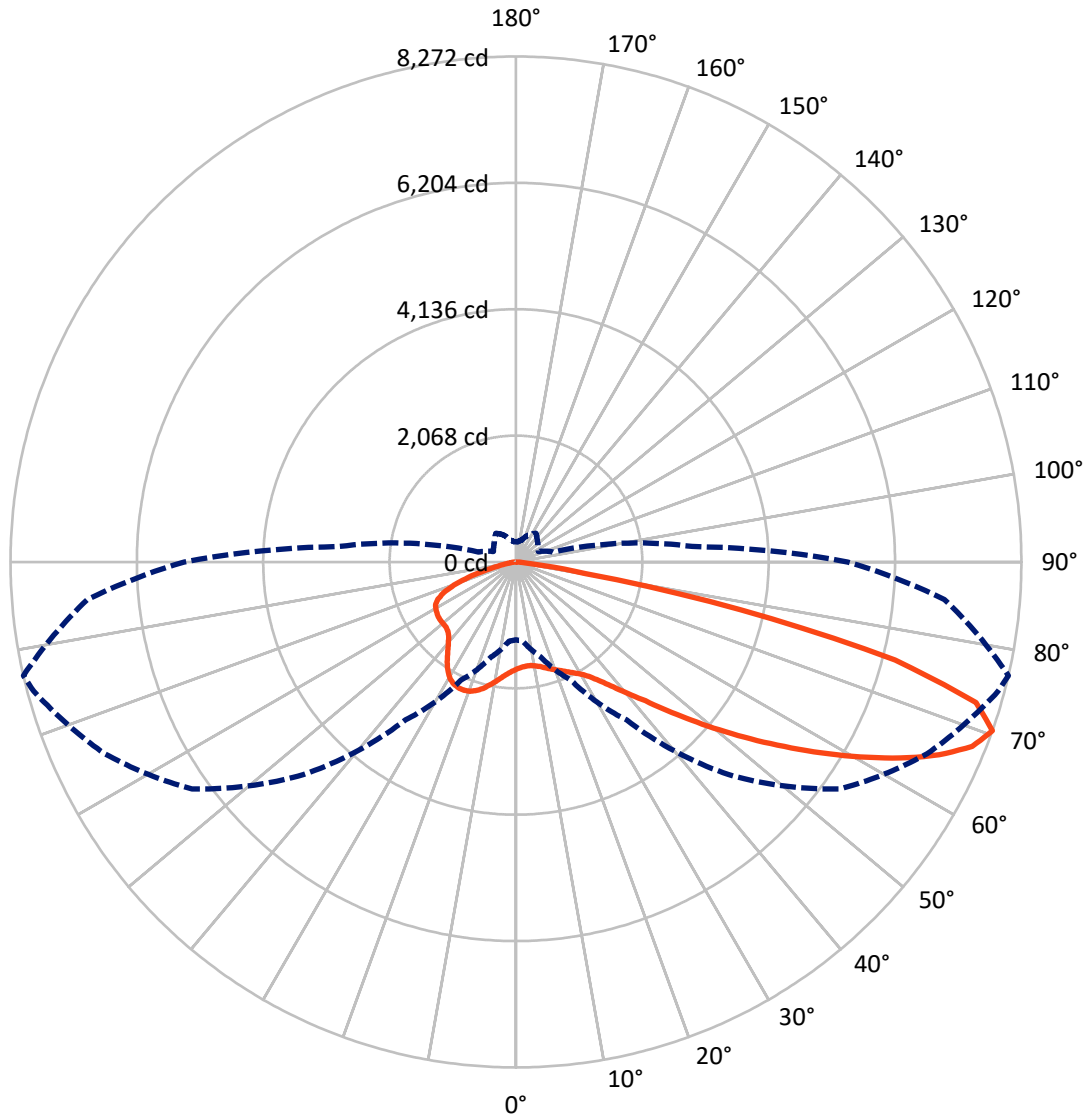
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type III - Medium - N/A

REPORT NUMBER: P948376  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2752.4	0.0	2752.4
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	9816.6	0.0	9816.6
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	12569.0	0.0	12569.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.2	1.3
10°-20°	482.7	3.8
20°-30°	825.4	6.6
30°-40°	1327.4	10.6
40°-50°	2072.3	16.5
50°-60°	2768.2	22.0
60°-70°	2950.4	23.5
70°-80°	1816.3	14.5
80°-90°	159.2	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°	12569.0	100.0
0°-180°	12569.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P948376

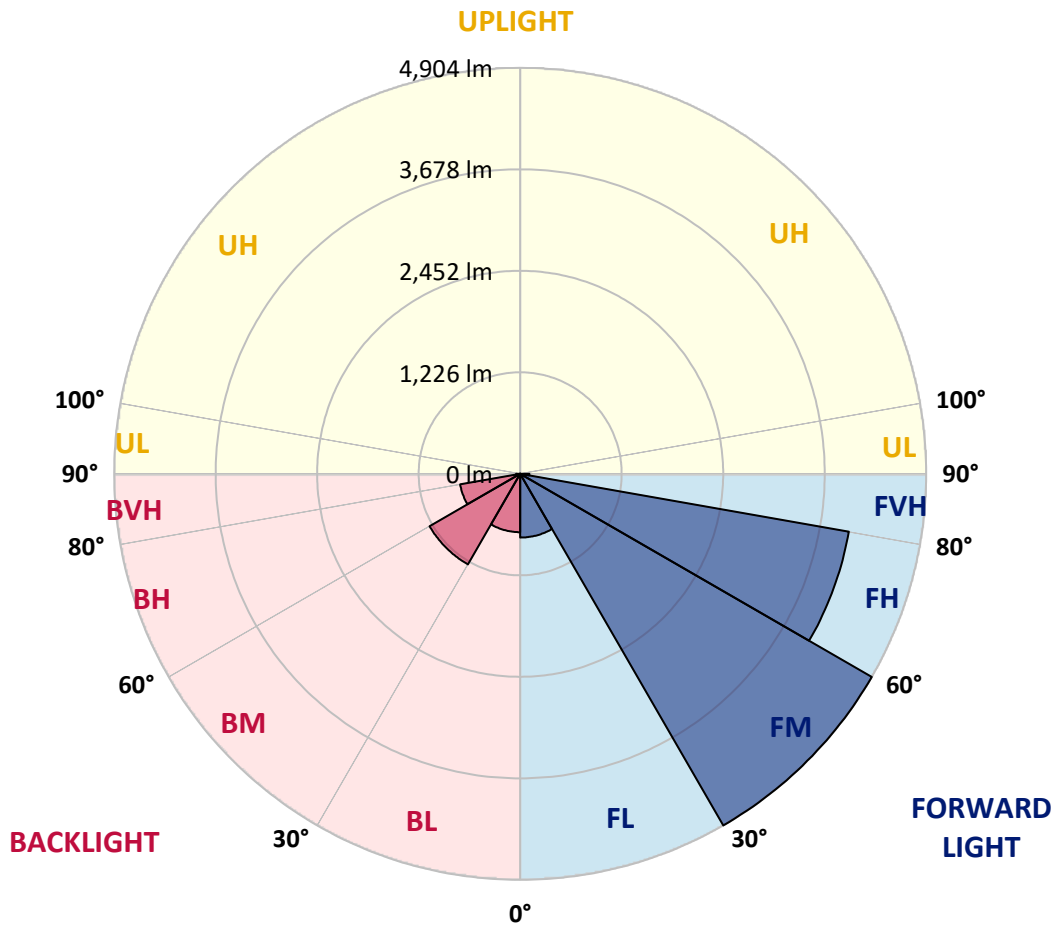
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	770.1	6.1			
FM (30°-60°)	4904.2	39.0			
FH (60°-80°)	4031.1	32.1			G2/5000
FVH (80°-90°)	111.3	0.9			G2/225
BL (0°-30°)	705.3	5.6	B2/1000		
BM (30°-60°)	1263.7	10.1	B2/2500		
BH (60°-80°)	735.6	5.9	B2/1000		G2/1000
BVH (80°-90°)	47.9	0.4			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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5
2.5°	1616.4	1615.7	1624.1	1626.7	1642.1	1653.1	1673.7	1695.6	1723.9	1727.1
5°	1523.0	1523.0	1532.7	1543.0	1562.9	1584.8	1616.4	1654.4	1703.3	1711.0
7.5°	1443.9	1449.0	1457.4	1477.3	1500.5	1532.1	1580.3	1634.4	1698.8	1711.0
10°	1380.1	1385.9	1396.2	1412.3	1447.1	1490.9	1553.9	1623.5	1709.7	1729.0
12.5°	1360.2	1366.0	1371.8	1384.0	1416.2	1467.7	1543.0	1628.6	1736.1	1755.4
15°	1406.5	1413.6	1409.1	1405.9	1422.6	1469.6	1548.1	1647.3	1768.9	1796.6
17.5°	1513.4	1516.0	1505.7	1475.4	1472.8	1497.9	1572.6	1673.0	1810.1	1840.4
20°	1685.9	1681.4	1660.2	1600.3	1566.2	1561.0	1614.4	1711.6	1852.6	1884.8
22.5°	1920.2	1915.1	1872.6	1778.0	1702.0	1651.8	1675.0	1761.9	1900.3	1936.3
25°	2212.5	2205.4	2142.9	2014.2	1896.4	1772.2	1757.4	1828.2	1958.8	1992.3
27.5°	2553.6	2547.8	2480.2	2310.3	2140.4	1937.0	1859.7	1906.1	2020.0	2058.0
30°	2920.6	2937.3	2817.6	2634.7	2419.7	2152.0	1997.5	2002.0	2099.2	2133.3
32.5°	3351.8	3380.8	3236.6	3004.9	2711.3	2385.6	2171.3	2135.9	2214.4	2242.7
35°	3779.3	3812.1	3692.4	3436.2	3098.2	2661.1	2352.8	2289.7	2367.6	2398.5
37.5°	4148.8	4192.5	4130.7	3908.0	3512.1	2993.3	2589.7	2470.6	2556.2	2594.8
40°	4440.4	4507.3	4502.8	4363.8	4000.1	3396.3	2890.3	2694.0	2790.5	2832.4
42.5°	4677.3	4735.2	4785.4	4778.3	4509.3	3853.9	3243.7	2984.3	3057.7	3105.9
45°	4840.8	4902.6	5010.7	5127.2	4999.1	4343.8	3648.6	3328.7	3395.6	3468.4
47.5°	4986.9	5057.1	5197.4	5382.1	5415.0	4835.6	4092.1	3729.7	3790.9	3866.2
50°	4999.8	5060.3	5277.9	5539.8	5710.4	5308.1	4568.5	4179.7	4237.0	4317.4
52.5°	4688.8	4784.1	5163.9	5535.3	5846.3	5703.3	5041.6	4647.7	4712.0	4808.6
55°	3639.6	3779.3	4829.8	5362.8	5798.0	5958.9	5491.6	5145.2	5227.6	5328.7
57.5°	3134.9	3196.1	3834.0	5048.7	5577.8	6025.2	5871.4	5648.0	5780.6	5891.3
60°	2817.6	2868.4	3245.6	4560.1	5288.2	5920.3	6164.9	6116.6	6345.8	6477.7
62.5°	2477.7	2526.0	2869.1	3807.6	4917.4	5745.8	6350.3	6549.2	6925.1	7069.3
65°	2140.4	2181.6	2510.5	3199.3	4446.2	5571.4	6446.2	6923.2	7461.3	7610.7
67.5°	1764.4	1798.6	2109.5	2699.1	3873.3	5332.6	6493.8	7217.4	7928.0	8056.1
70°	1273.3	1299.7	1620.9	2134.6	3154.2	4921.9	6474.5	7425.9	8170.1	8272.4
72.5°	601.9	625.7	1002.9	1385.9	2227.9	4122.4	6083.8	7260.5	7924.2	7873.3
75°	321.2	341.8	576.1	760.2	1176.7	2825.9	4978.5	6254.4	6654.1	6406.9
77.5°	217.6	233.7	356.6	456.4	537.5	1341.5	3199.9	4330.3	4166.1	3758.0
80°	172.5	189.3	292.2	309.0	260.1	484.7	1322.2	2004.5	1440.0	1151.6
82.5°	132.6	151.3	245.9	224.0	141.6	198.9	384.9	634.1	368.9	280.7
85°	81.1	101.1	193.1	142.9	79.8	90.8	130.7	176.4	112.7	94.0
87.5°	41.2	57.9	97.8	52.1	36.0	21.2	34.8	34.8	29.6	25.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948376  
 CATALOG NUMBER: GALN-SB3B-940-U-T3R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1753.5	0°	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5	1753.5
1744.5	2.5°	1759.9	1772.8	1794.7	1815.3	1831.4	1846.8	1862.3	1870.6	1873.2	1883.5
1754.1	5°	1780.5	1804.3	1846.8	1886.7	1911.8	1927.3	1938.2	1944.7	1946.0	1949.2
1780.5	7.5°	1818.5	1856.5	1915.7	1955.6	1974.3	1973.0	1968.5	1952.4	1946.0	1940.2
1819.1	10°	1871.9	1922.1	1994.9	2022.6	2011.0	1980.1	1940.2	1893.2	1871.3	1850.0
1871.9	12.5°	1938.2	2002.0	2073.4	2072.1	2014.8	1935.7	1843.0	1770.9	1725.2	1692.3
1937.0	15°	2018.7	2092.1	2146.8	2103.0	1977.5	1835.2	1699.4	1605.4	1564.2	1528.2
2002.6	17.5°	2101.7	2180.3	2205.4	2093.4	1883.5	1686.5	1532.7	1458.7	1418.1	1398.8
2073.4	20°	2182.9	2260.7	2240.1	2038.0	1740.6	1517.9	1380.8	1340.2	1331.9	1336.4
2142.3	22.5°	2268.5	2338.0	2247.2	1931.2	1558.4	1345.4	1270.1	1271.3	1290.0	1303.5
2214.4	25°	2356.0	2403.0	2228.6	1776.7	1362.8	1218.6	1199.9	1220.5	1257.2	1283.6
2295.5	27.5°	2440.3	2460.9	2188.0	1585.5	1194.7	1127.8	1131.0	1173.5	1228.9	1265.6
2394.0	30°	2535.6	2512.4	2110.1	1370.5	1078.2	1049.9	1076.9	1126.5	1181.9	1214.7
2518.2	32.5°	2643.1	2556.9	1986.5	1171.6	995.8	987.5	1031.9	1064.1	1088.5	1098.2
2683.0	35°	2777.0	2619.3	1828.2	1031.9	921.8	941.8	984.2	968.2	958.5	953.3
2904.5	37.5°	2950.8	2703.6	1642.8	941.1	861.9	908.9	926.3	876.1	838.1	819.5
3172.9	40°	3160.0	2827.2	1464.5	871.0	824.0	880.6	850.4	789.8	741.6	715.2
3474.8	42.5°	3392.4	2956.6	1314.5	818.2	802.7	857.4	794.3	722.3	644.4	636.0
3834.6	45°	3636.4	3089.9	1212.1	777.6	792.4	837.5	762.2	645.7	590.3	624.4
4195.8	47.5°	3880.3	3212.2	1150.3	747.4	787.3	814.9	733.8	603.2	563.9	613.5
4582.6	50°	4152.0	3321.6	1122.6	725.5	781.5	805.9	691.4	592.2	536.2	569.0
4983.0	52.5°	4421.7	3406.6	1102.0	703.6	773.1	798.9	670.8	579.3	502.7	504.7
5386.0	55°	4690.8	3461.9	1079.5	674.6	754.4	783.4	668.8	565.2	477.6	468.6
5812.1	57.5°	4977.9	3493.5	1051.8	642.4	722.3	744.1	666.9	554.2	469.9	455.1
6247.9	60°	5270.1	3539.8	1015.8	603.2	679.1	697.1	662.4	550.4	465.4	440.3
6658.6	62.5°	5532.1	3555.9	972.7	565.8	623.8	650.8	652.7	547.2	453.2	410.0
6999.8	65°	5704.0	3486.4	897.3	523.3	563.9	603.2	634.1	536.2	431.3	388.2
7168.5	67.5°	5696.9	3288.1	779.5	468.6	506.0	550.4	607.0	517.5	404.9	361.1
7041.0	70°	5431.7	2896.7	630.2	404.9	442.2	493.7	572.3	489.9	373.4	331.5
6260.8	72.5°	4658.6	2267.2	457.7	330.2	368.2	435.2	527.2	456.4	341.2	305.1
4627.1	75°	3328.0	1434.8	310.3	253.6	286.5	368.9	471.2	417.1	311.6	306.4
2317.4	77.5°	1700.1	685.6	205.3	185.4	199.6	291.0	395.9	372.7	316.1	253.0
659.2	80°	553.0	253.0	129.4	126.2	132.6	193.8	306.4	305.8	239.5	171.9
159.6	82.5°	176.4	108.8	84.3	81.1	77.9	121.7	213.7	242.0	161.6	108.8
57.3	85°	70.2	65.0	49.6	45.7	32.8	57.3	112.0	160.9	120.4	78.5
14.8	87.5°	25.7	25.7	13.5	9.7	7.1	19.3	30.3	48.3	68.9	40.6
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>
1753.5
1889.3
1954.3
1941.5
1843.6
1684.6
1524.3
1404.6
1334.4
1306.7
1290.7
1274.6
1222.4
1103.3
958.5
824.0
717.1
644.4
642.4
636.6
593.5
518.2
475.1
457.0
442.2
410.0
388.2
363.1
335.4
303.2
289.0
225.3
151.9
108.1
80.5
39.9
0.0

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