

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: P940575

Luminaire Tested: **GALN-SB3C-950-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940575
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-SB3C-950-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15488 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

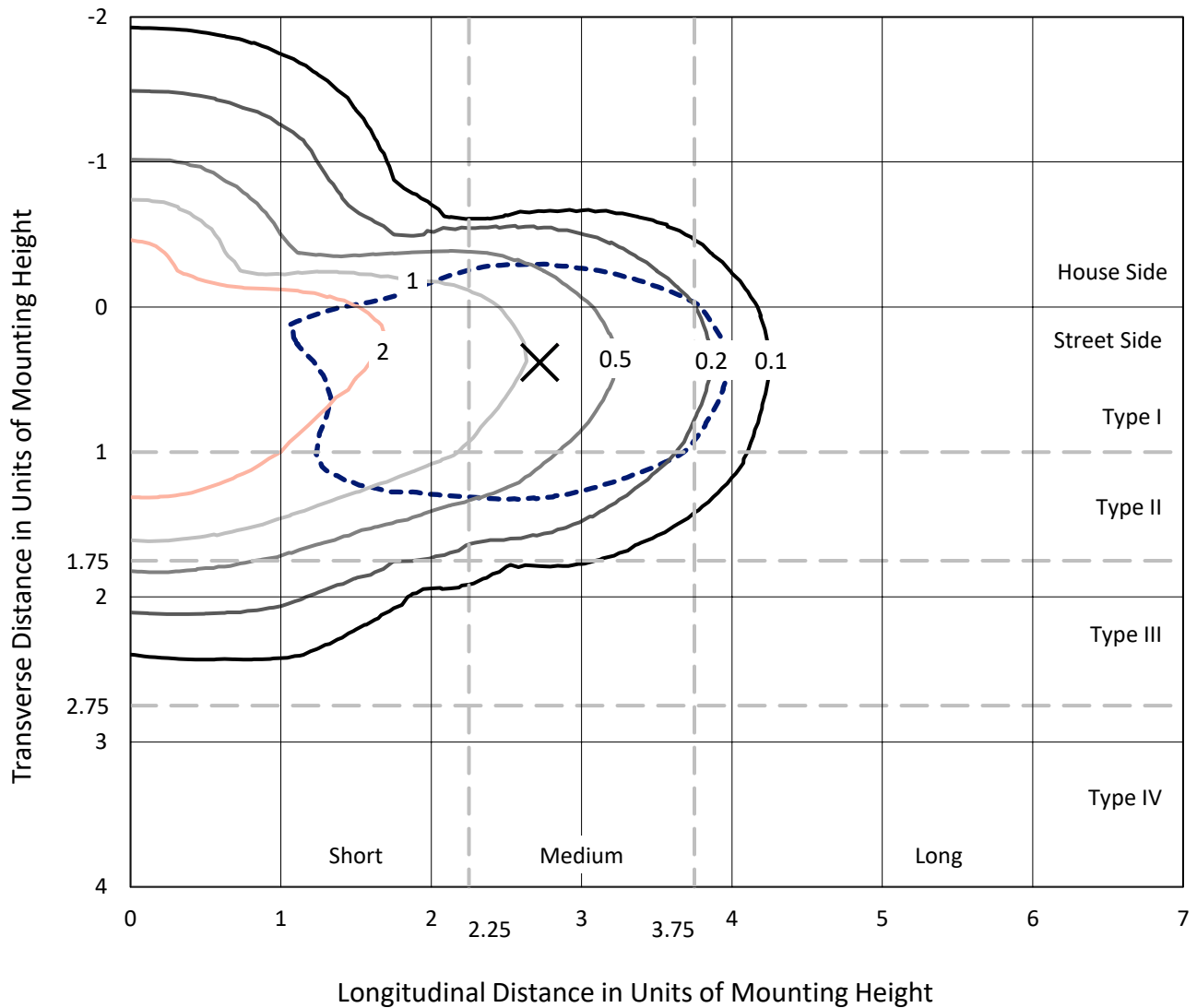
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

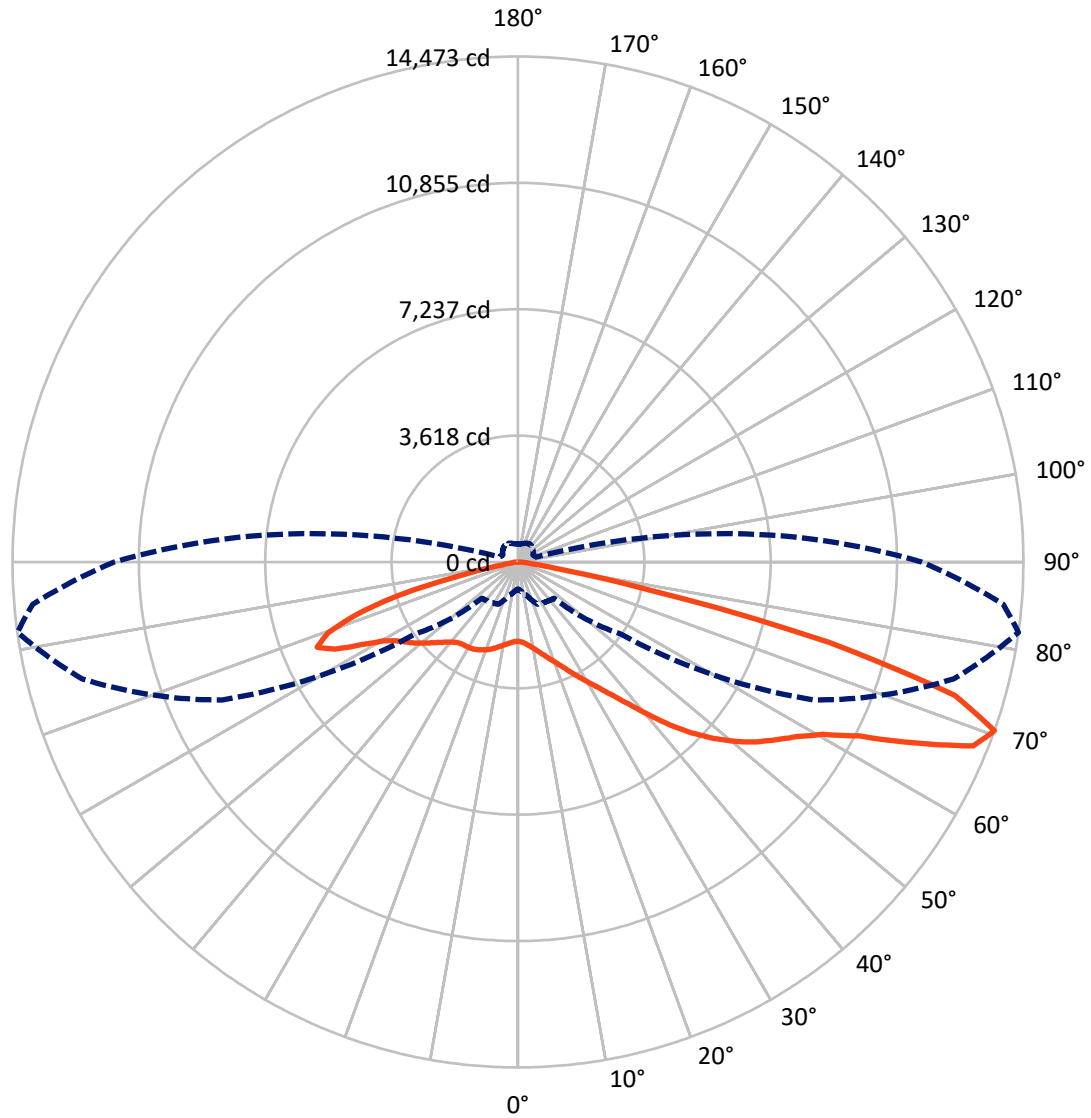
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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
House Side	Lumens	3818.2	0.0	3818.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11669.8	0.0	11669.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	15488.0	0.0	15488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.4	1.4
10°-20°	616.0	4.0
20°-30°	1030.5	6.7
30°-40°	1609.9	10.4
40°-50°	2563.9	16.6
50°-60°	3568.0	23.0
60°-70°	3732.2	24.1
70°-80°	1950.7	12.6
80°-90°	202.6	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°	15488.0	100.0
0°-180°	15488.0	100.0

Coefficient of Utilization



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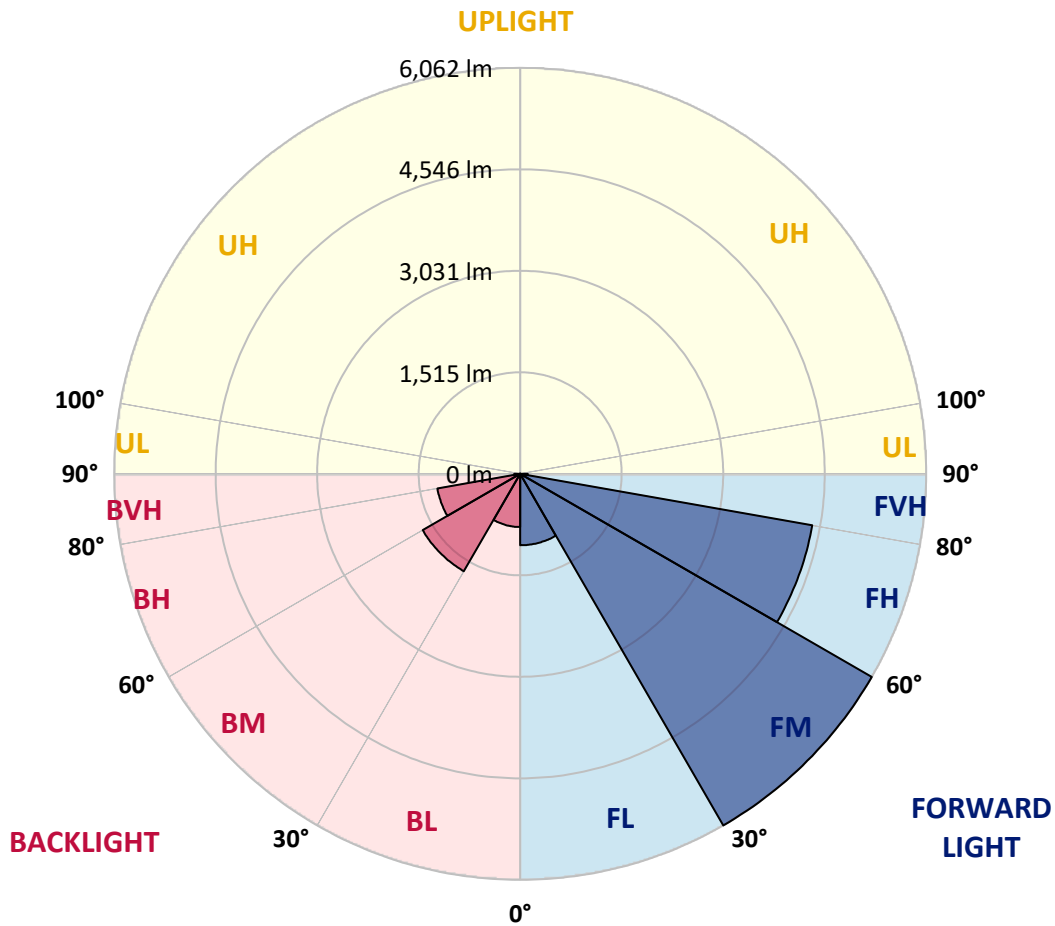
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1066.5	6.9			
FM (30°-60°)	6061.8	39.1			
FH (60°-80°)	4428.1	28.6			G2/5000
FVH (80°-90°)	113.4	0.7			G2/225
BL (0°-30°)	794.3	5.1	B2/1000		
BM (30°-60°)	1679.8	10.8	B2/2500		
BH (60°-80°)	1254.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	89.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7
2.5°	2325.0	2338.1	2334.0	2329.9	2329.9	2324.2	2323.3	2315.1	2308.5	2297.9
5°	2354.6	2368.5	2366.9	2370.2	2380.9	2383.3	2385.8	2380.9	2367.7	2354.6
7.5°	2328.3	2343.9	2348.8	2368.5	2401.4	2431.0	2453.2	2462.2	2449.9	2431.0
10°	2239.5	2256.8	2274.0	2320.9	2379.2	2449.1	2508.2	2543.6	2541.1	2523.0
12.5°	2059.5	2077.6	2114.6	2205.8	2312.6	2435.9	2546.0	2620.0	2645.5	2632.3
15°	1915.7	1931.3	1959.3	2052.9	2191.8	2379.2	2560.0	2703.8	2768.8	2761.4
17.5°	1911.6	1918.2	1935.4	1979.8	2086.6	2290.5	2545.2	2786.0	2910.1	2909.3
20°	1983.9	1986.4	1996.2	2005.3	2066.1	2223.1	2507.4	2854.2	3068.7	3068.7
22.5°	2084.2	2082.5	2092.4	2084.2	2113.8	2217.3	2483.6	2914.2	3245.4	3258.6
25°	2234.6	2226.4	2223.9	2205.0	2210.7	2270.7	2509.9	2982.4	3455.0	3482.1
27.5°	2435.1	2422.0	2412.9	2369.4	2354.6	2380.9	2590.4	3064.6	3688.4	3735.2
30°	2696.4	2672.6	2659.5	2583.9	2530.4	2534.5	2712.1	3173.9	3932.5	4008.1
32.5°	3053.1	3016.1	2980.8	2856.7	2758.9	2726.9	2869.0	3325.2	4197.1	4317.9
35°	3452.5	3422.9	3385.1	3193.7	3043.3	2969.3	3081.1	3536.4	4507.0	4698.4
37.5°	3837.2	3811.7	3829.8	3571.7	3377.7	3270.1	3358.8	3819.9	4889.1	5171.8
40°	4234.9	4215.2	4217.7	3971.1	3745.1	3624.3	3695.8	4175.8	5327.1	5734.8
42.5°	4667.2	4652.4	4603.1	4384.5	4130.6	4018.0	4083.7	4586.7	5797.2	6375.8
45°	5151.3	5142.2	5096.2	4845.5	4554.6	4428.1	4516.8	5040.3	6269.8	6979.0
47.5°	5569.6	5577.0	5571.2	5360.0	5058.4	4872.7	4978.7	5513.7	6709.5	7546.1
50°	5770.9	5809.6	5866.3	5800.5	5613.1	5424.1	5444.7	5970.6	7128.6	8077.8
52.5°	5665.7	5738.9	5893.4	5998.6	6070.9	6031.5	5976.4	6424.3	7523.1	8557.8
55°	5273.7	5376.5	5632.9	5886.8	6255.8	6542.6	6615.0	6927.3	7907.7	8980.2
57.5°	4559.5	4726.4	4956.5	5470.1	6091.5	6790.0	7359.5	7625.0	8315.3	9431.4
60°	3335.0	3558.6	3844.6	4608.9	5516.2	6657.7	7993.2	8696.7	8894.7	10015.7
62.5°	2134.3	2272.4	2535.4	3255.3	4298.2	5979.7	8187.1	10036.3	9876.8	10974.0
65°	1461.2	1550.0	1790.8	2195.1	2778.6	4451.1	7667.7	11040.6	11436.7	12492.7
67.5°	1061.8	1129.2	1334.7	1688.9	1810.5	2634.0	5950.1	10994.5	12953.0	14057.5
70°	774.2	821.8	994.4	1334.7	1393.0	1465.3	3604.6	9345.9	12920.1	14473.4
72.5°	573.6	606.5	722.4	1035.5	1127.6	989.5	1784.2	6792.5	11102.2	13091.0
75°	415.0	439.7	525.2	792.3	902.4	753.6	890.0	3969.5	7744.2	9208.7
77.5°	317.2	336.1	392.0	580.2	722.4	565.4	552.3	1826.1	3672.0	3690.0
80°	254.8	267.1	297.5	408.5	553.9	423.2	360.0	737.2	1160.4	982.1
82.5°	187.4	207.9	251.5	286.8	396.1	291.8	219.4	372.3	441.3	379.7
85°	106.8	120.8	152.0	205.5	253.1	178.3	125.7	165.2	205.5	168.5
87.5°	37.8	49.3	53.4	80.5	110.1	74.0	48.5	47.7	67.4	50.1
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°
2270.7	0°	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7	2270.7
2295.4	2.5°	2287.2	2283.1	2266.6	2244.4	2221.4	2199.2	2191.8	2176.2	2165.5	2159.8
2348.8	5°	2333.2	2320.0	2281.4	2232.1	2180.3	2124.4	2085.0	2048.8	2022.5	1997.9
2422.0	7.5°	2398.9	2375.9	2309.4	2223.1	2131.0	2038.2	1969.1	1916.5	1881.2	1858.2
2507.4	10°	2475.4	2440.0	2338.1	2209.1	2066.9	1933.8	1852.4	1807.2	1785.0	1772.7
2605.2	12.5°	2563.3	2513.2	2367.7	2177.0	1969.1	1817.1	1761.2	1748.0	1748.9	1749.7
2728.5	15°	2671.8	2601.9	2391.5	2107.2	1841.7	1727.5	1717.6	1739.0	1761.2	1771.9
2868.2	17.5°	2794.2	2695.6	2395.7	1992.1	1716.8	1670.0	1701.2	1747.2	1780.9	1795.7
3024.4	20°	2925.7	2791.0	2366.1	1829.4	1614.1	1623.1	1679.0	1738.2	1775.2	1794.1
3202.7	22.5°	3076.1	2892.9	2295.4	1658.5	1530.3	1572.2	1637.9	1695.4	1734.1	1753.0
3412.3	25°	3247.9	3007.1	2184.4	1514.6	1457.9	1514.6	1580.4	1628.1	1659.3	1676.5
3646.5	27.5°	3438.6	3126.3	2036.5	1400.4	1394.7	1455.5	1509.7	1546.7	1563.1	1576.3
3895.5	30°	3630.1	3234.7	1857.4	1314.1	1339.6	1397.1	1435.7	1452.2	1457.1	1459.6
4173.3	32.5°	3837.2	3328.4	1669.2	1242.6	1287.0	1340.4	1363.4	1370.8	1347.8	1332.2
4510.2	35°	4087.8	3428.7	1485.1	1185.9	1235.2	1281.2	1288.6	1282.1	1254.9	1222.9
4932.7	37.5°	4397.6	3553.6	1337.9	1145.6	1186.7	1217.1	1208.1	1206.5	1208.9	1171.1
5440.6	40°	4777.3	3716.3	1230.3	1114.4	1147.3	1153.9	1128.4	1142.4	1154.7	1097.2
5997.8	42.5°	5198.9	3912.8	1162.1	1093.0	1114.4	1098.8	1059.3	1075.0	1073.3	997.7
6557.4	45°	5628.8	4126.4	1138.2	1077.4	1084.0	1052.8	1009.2	1013.3	978.8	910.6
7094.1	47.5°	6056.1	4355.7	1153.0	1064.3	1046.2	1010.9	977.2	959.1	908.1	857.2
7608.6	50°	6475.3	4596.5	1207.3	1038.0	994.4	973.9	949.2	917.2	862.9	819.4
8095.1	52.5°	6864.0	4839.0	1268.1	994.4	929.5	941.8	926.2	889.2	835.8	791.4
8555.3	55°	7232.2	5081.4	1291.9	934.4	868.7	913.9	904.8	836.6	772.5	736.4
9036.9	57.5°	7633.2	5373.2	1265.6	858.0	819.4	881.8	847.3	771.7	734.7	707.6
9664.0	60°	8188.8	5830.9	1208.9	763.5	772.5	834.2	775.0	743.8	703.5	673.1
10604.2	62.5°	9111.7	6684.8	1117.7	669.8	717.5	763.5	740.5	709.2	668.2	638.6
12211.7	65°	10476.0	7871.6	945.9	596.7	655.8	694.5	703.5	672.3	629.5	598.3
13620.3	67.5°	11626.5	8616.1	715.8	535.8	592.5	638.6	664.0	633.6	588.4	558.0
13949.9	70°	11563.2	8075.4	546.5	475.8	536.7	583.5	616.4	592.5	544.1	515.3
12671.1	72.5°	10270.5	6755.5	442.1	415.0	480.0	526.0	565.4	547.3	498.0	470.1
9282.6	75°	7545.3	4795.4	353.4	353.4	409.3	466.0	509.5	498.0	452.8	433.1
3897.1	77.5°	3180.5	2011.9	277.0	293.4	340.2	400.2	454.5	458.6	419.1	443.8
1030.6	80°	845.7	554.7	211.2	230.9	267.1	330.4	395.3	393.7	350.9	327.9
383.0	82.5°	322.2	218.6	150.4	162.7	193.1	253.1	313.1	323.0	280.2	242.4
150.4	85°	124.1	93.7	92.9	97.8	112.6	167.7	236.7	244.9	211.2	179.2
41.9	87.5°	32.1	27.9	34.5	32.9	51.8	89.6	135.6	140.5	129.0	74.8
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>
2270.7
2166.4
2007.7
1863.1
1776.0
1751.3
1771.1
1799.0
1799.0
1757.9
1681.5
1581.2
1465.3
1337.1
1224.5
1173.6
1098.8
996.9
913.1
857.2
816.1
792.3
733.1
705.1
671.4
638.6
599.9
558.8
517.8
470.1
427.4
402.7
304.9
242.4
184.9
106.8
0.0

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