

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: P954370

Luminaire Tested: **GALN-SB7C-927-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-927-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

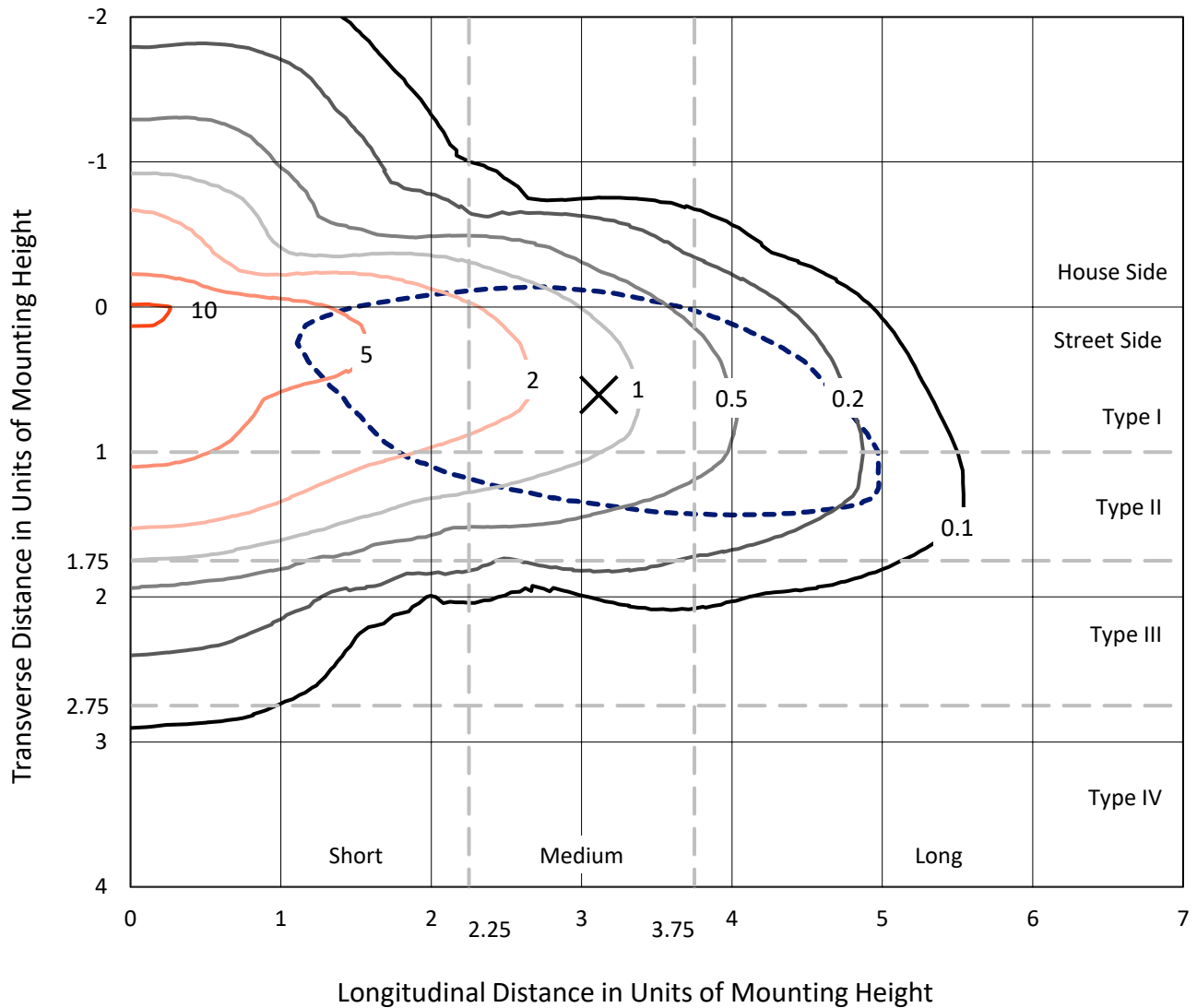
Lumens per Lamp: N/A  
Luminaire Lumens: 32223 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

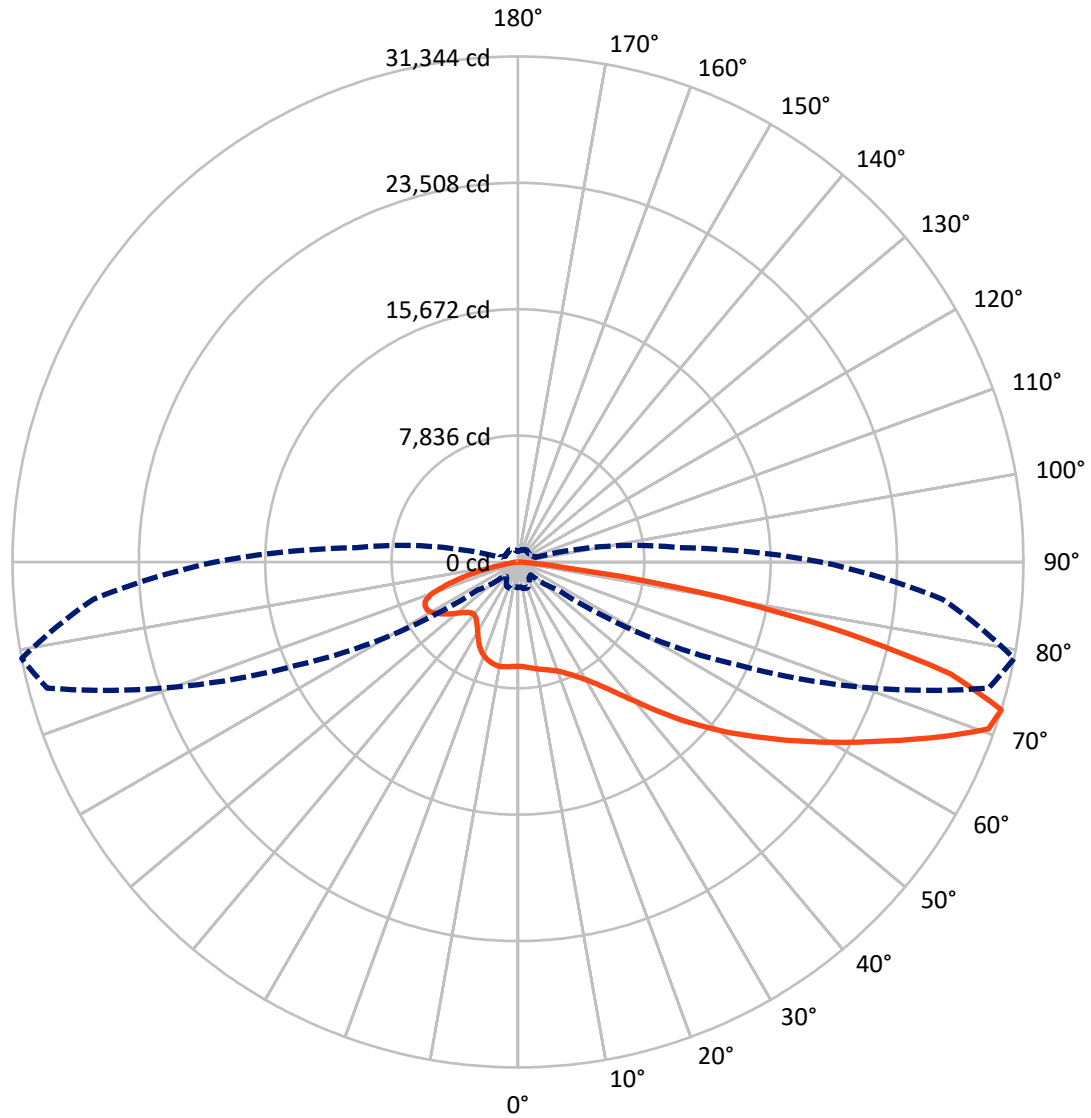
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7090.8	0.0	7090.8
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	25132.2	0.0	25132.2
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	32223.0	0.0	32223.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	587.2	1.8
10°-20°	1535.1	4.8
20°-30°	2477.0	7.7
30°-40°	3717.7	11.5
40°-50°	5273.7	16.4
50°-60°	6660.0	20.7
60°-70°	6764.1	21.0
70°-80°	4610.1	14.3
80°-90°	598.1	1.9
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°	32223.0	100.0
0°-180°	32223.0	100.0



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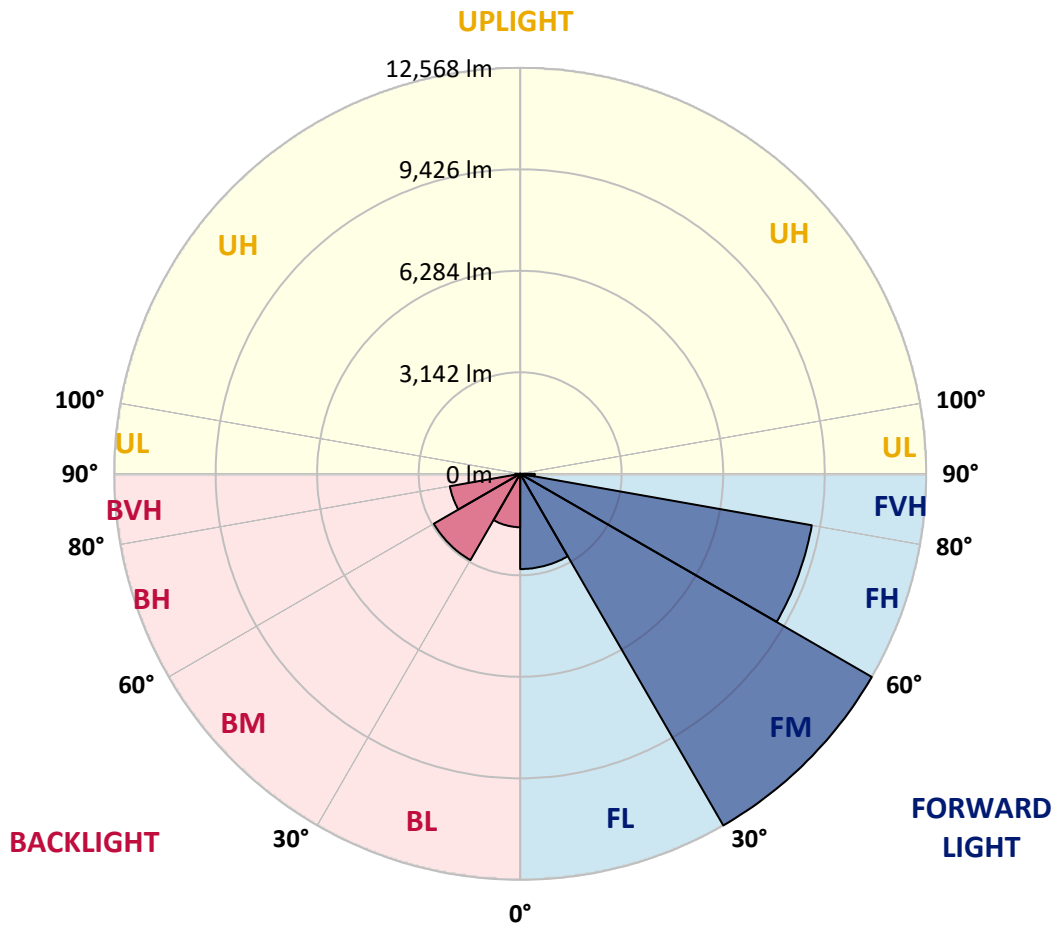
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2947.6	9.1			
FM (30°-60°)	12567.6	39.0			
FH (60°-80°)	9166.4	28.4			G4/12000
FVH (80°-90°)	450.6	1.4			G3/500
BL (0°-30°)	1651.7	5.1	B3/2500		
BM (30°-60°)	3083.8	9.6	B3/5000		
BH (60°-80°)	2207.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	147.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5
2.5°	6471.9	6441.2	6459.9	6453.1	6461.6	6471.9	6475.3	6480.4	6497.4	6495.7
5°	6458.2	6427.6	6453.1	6444.6	6466.8	6490.6	6511.1	6529.8	6557.1	6569.0
7.5°	6429.3	6408.8	6434.4	6459.9	6500.8	6536.6	6565.6	6608.2	6647.4	6654.2
10°	6260.5	6245.2	6304.8	6371.3	6483.8	6581.0	6644.0	6693.5	6736.1	6742.9
12.5°	6085.0	6066.2	6132.7	6223.0	6405.4	6581.0	6713.9	6778.7	6816.2	6838.3
15°	6056.0	6040.6	6078.1	6156.5	6308.2	6534.9	6761.6	6880.9	6913.3	6938.9
17.5°	6195.7	6166.8	6182.1	6209.4	6298.0	6492.3	6799.1	6996.8	7046.3	7073.5
20°	6519.6	6478.7	6454.8	6400.3	6384.9	6499.1	6795.7	7136.6	7201.4	7235.5
22.5°	6950.8	6923.6	6872.4	6734.4	6584.4	6582.7	6860.5	7315.6	7436.6	7469.0
25°	7472.4	7431.5	7366.7	7179.2	6891.2	6748.0	6969.6	7544.0	7746.8	7755.3
27.5°	8072.4	8011.0	7922.4	7675.2	7286.6	7007.1	7136.6	7806.5	8103.0	8099.6
30°	8704.7	8643.4	8549.6	8249.6	7760.4	7356.5	7368.4	8089.4	8525.8	8507.0
32.5°	9166.6	9120.6	9101.9	8870.1	8305.9	7769.0	7634.3	8403.0	9047.3	9030.3
35°	9521.2	9461.5	9483.7	9366.1	8900.7	8230.9	7959.9	8776.3	9681.4	9679.7
37.5°	9872.3	9819.4	9838.2	9759.8	9451.3	8817.2	8357.0	9233.1	10467.1	10504.6
40°	10192.7	10136.5	10211.5	10138.2	9879.1	9441.1	8808.7	9749.6	11377.3	11448.9
42.5°	10385.3	10341.0	10465.4	10467.1	10250.7	9967.7	9304.7	10318.9	12430.7	12590.9
45°	10451.8	10436.5	10624.0	10663.2	10579.6	10272.8	9751.3	10939.3	13565.9	13852.2
47.5°	10380.2	10351.2	10610.3	10755.2	10821.7	10416.0	10121.1	11610.8	14724.9	15144.2
50°	10018.9	9962.6	10347.8	10652.9	10889.9	10509.8	10494.4	12386.4	16042.5	16501.0
52.5°	9369.5	9326.9	9764.9	10295.0	10739.9	10555.8	10913.7	13233.5	17293.5	17886.7
55°	8539.4	8483.1	8965.5	9657.5	10366.6	10540.4	11333.0	14181.2	18769.6	19371.3
57.5°	7223.5	7111.0	7721.2	8539.4	9758.1	10521.7	11769.4	15123.8	20269.5	20990.5
60°	5304.3	5137.3	5885.5	6855.4	8568.4	10339.3	12309.7	16180.5	22069.5	22718.9
62.5°	3088.5	2991.3	3480.5	4385.6	6458.2	9265.5	12613.1	17409.4	23838.7	24520.5
65°	2398.2	2370.9	2413.5	2483.4	3594.7	6937.2	11677.3	18607.7	26088.6	26565.9
67.5°	2193.7	2173.2	2191.9	2060.7	1823.8	3864.0	9238.2	18911.1	28498.7	28788.5
70°	1949.9	1926.1	1987.4	1874.9	1435.2	1757.3	5969.1	17810.0	30416.3	30960.0
72.5°	1588.6	1561.3	1704.5	1653.3	1208.5	1128.4	2998.2	15193.6	30215.1	31343.5
75°	1220.4	1205.1	1375.5	1418.1	985.2	888.0	1438.6	11293.8	26589.7	27726.6
77.5°	947.7	935.8	1022.7	1177.8	794.3	688.6	884.6	7163.9	20037.7	20237.2
80°	710.8	676.7	756.8	911.9	618.7	502.8	600.0	4177.7	12665.9	11481.3
82.5°	444.9	427.8	494.3	608.5	436.3	346.0	390.3	2307.9	5075.9	2989.6
85°	254.0	247.1	269.3	347.7	236.9	199.4	223.3	1019.3	927.2	637.5
87.5°	102.3	98.9	122.7	155.1	86.9	73.3	78.4	245.4	204.5	189.2
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°
6468.5	0°	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5	6468.5
6494.0	2.5°	6487.2	6487.2	6463.3	6425.8	6383.2	6356.0	6311.6	6299.7	6253.7	6240.1
6552.0	5°	6565.6	6552.0	6478.7	6373.0	6228.1	6095.2	5948.6	5856.6	5727.0	5681.0
6666.2	7.5°	6664.5	6627.0	6500.8	6269.0	5965.6	5667.4	5357.1	5121.9	4896.9	4816.8
6759.9	10°	6754.8	6702.0	6487.2	6081.5	5556.6	5040.1	4545.8	4199.8	3937.3	3829.9
6863.9	12.5°	6845.1	6748.0	6396.9	5769.6	4975.3	4274.8	3748.1	3478.8	3316.9	3187.4
6949.1	15°	6930.4	6794.0	6257.1	5352.0	4337.9	3627.1	3238.5	3023.7	2894.2	2809.0
7073.5	17.5°	7029.2	6833.2	6047.5	4821.9	3731.1	3178.8	2861.8	2732.3	2706.7	2696.5
7244.0	20°	7167.3	6869.0	5771.3	4228.8	3284.5	2820.9	2657.3	2645.3	2643.6	2638.5
7448.5	22.5°	7315.6	6911.6	5406.6	3690.2	2904.4	2597.6	2568.6	2544.8	2529.4	2527.7
7695.7	25°	7491.1	6925.3	4949.8	3248.7	2580.6	2491.9	2457.8	2422.1	2411.8	2411.8
7976.9	27.5°	7661.6	6879.2	4418.0	2865.2	2398.2	2394.8	2350.5	2338.5	2336.8	2341.9
8297.4	30°	7832.0	6792.3	3889.6	2510.7	2292.5	2292.5	2277.2	2285.7	2292.5	2309.6
8737.1	32.5°	8062.1	6700.3	3448.1	2248.2	2200.5	2183.4	2198.8	2215.8	2222.6	2244.8
9314.9	35°	8399.6	6635.5	3097.0	2105.0	2105.0	2082.9	2091.4	2088.0	2072.6	2062.4
10013.8	37.5°	8846.2	6632.1	2807.3	2038.5	2024.9	2021.5	2023.2	2001.0	1941.4	1869.8
10859.2	40°	9383.1	6724.1	2584.0	1992.5	1982.3	2002.8	1992.5	1932.9	1769.2	1644.8
11898.9	42.5°	10104.1	6986.6	2440.8	1936.3	1967.0	1992.5	1951.6	1745.4	1634.6	1551.1
13083.5	45°	10952.9	7412.7	2367.5	1876.6	1938.0	1968.7	1770.9	1680.6	1592.0	1491.4
14375.5	47.5°	11914.2	7949.6	2350.5	1820.4	1873.2	1892.0	1694.2	1653.3	1552.8	1443.7
15674.3	50°	12960.8	8585.4	2396.5	1753.9	1779.5	1714.7	1668.7	1631.2	1527.2	1419.8
17005.5	52.5°	14043.1	9285.9	2488.5	1663.6	1685.7	1614.1	1658.4	1626.1	1511.9	1367.0
18381.0	55°	15106.7	9991.6	2577.2	1557.9	1590.3	1523.8	1629.5	1605.6	1442.0	1278.4
19848.5	57.5°	16187.3	10693.8	2664.1	1464.1	1498.2	1436.9	1583.5	1551.1	1363.6	1196.5
21450.7	60°	17310.6	11375.6	2705.0	1373.8	1397.7	1356.8	1513.6	1457.3	1274.9	1113.0
23025.7	62.5°	18362.2	11943.2	2638.5	1283.5	1298.8	1281.8	1421.5	1346.5	1186.3	1019.3
24667.1	65°	19417.3	12280.7	2434.0	1194.8	1198.2	1189.7	1292.0	1227.2	1082.3	937.5
26103.9	67.5°	20373.5	12469.9	2108.4	1099.4	1090.9	1087.5	1171.0	1097.7	981.8	855.6
27196.5	70°	20576.4	11989.2	1610.7	986.9	986.9	978.4	1038.0	963.0	871.0	768.7
26414.2	72.5°	18793.5	10085.3	1143.7	859.1	872.7	855.6	905.1	842.0	758.5	690.3
22764.9	75°	15154.4	7395.7	831.8	727.8	751.7	722.7	768.7	724.4	652.8	651.1
15687.9	77.5°	10412.6	4573.1	603.4	600.0	617.0	579.5	632.4	608.5	543.7	514.7
6828.1	80°	4443.6	1823.8	439.8	463.6	463.6	429.5	490.9	497.7	441.5	427.8
1317.6	82.5°	884.6	518.2	308.5	318.7	300.0	289.8	347.7	385.2	531.8	591.5
397.1	85°	265.9	190.9	185.8	173.9	153.4	155.1	204.5	386.9	477.3	272.7
131.2	87.5°	73.3	47.7	49.4	39.2	32.4	42.6	69.9	293.2	160.2	68.2
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>
6468.5
6262.2
5715.1
4827.1
3853.8
3230.0
2824.3
2703.3
2655.6
2546.5
2422.1
2355.6
2321.5
2263.5
2086.3
1871.5
1641.4
1547.7
1484.6
1435.2
1407.9
1356.8
1269.8
1193.1
1107.9
1017.6
927.2
845.4
765.3
669.9
586.3
482.4
427.8
593.2
235.2
58.0
0.0

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