

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: P940205

Luminaire Tested: **GALN-SB3A-930-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940205  
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-SB3A-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9277 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

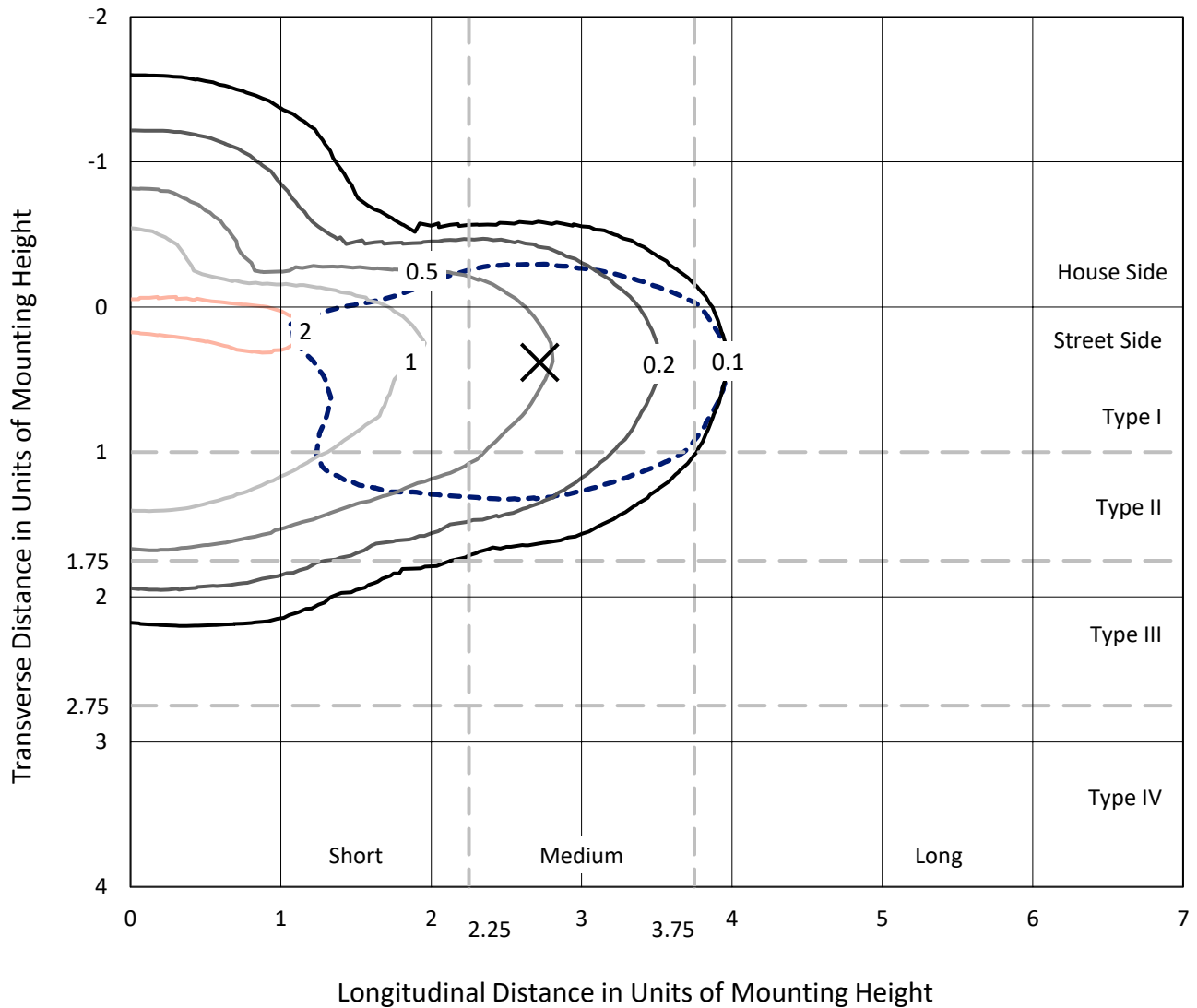
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

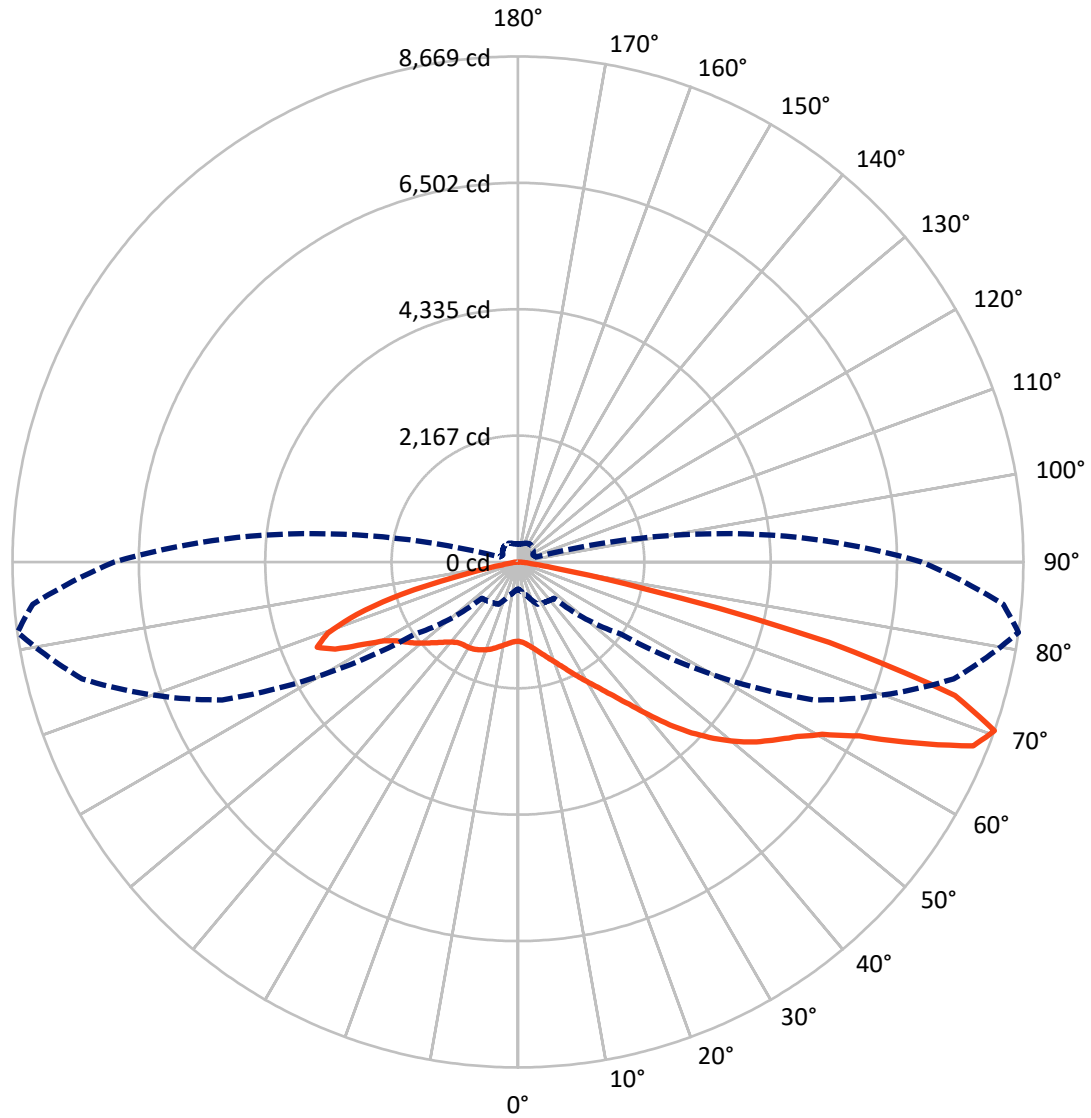
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	2287.0	0.0	2287.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	6990.0	0.0	6990.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	9277.0	0.0	9277.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.4	1.4
10°-20°	369.0	4.0
20°-30°	617.2	6.7
30°-40°	964.3	10.4
40°-50°	1535.7	16.6
50°-60°	2137.1	23.0
60°-70°	2235.5	24.1
70°-80°	1168.4	12.6
80°-90°	121.3	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°	9277.0	100.0
0°-180°	9277.0	100.0

**Coefficient of Utilization**



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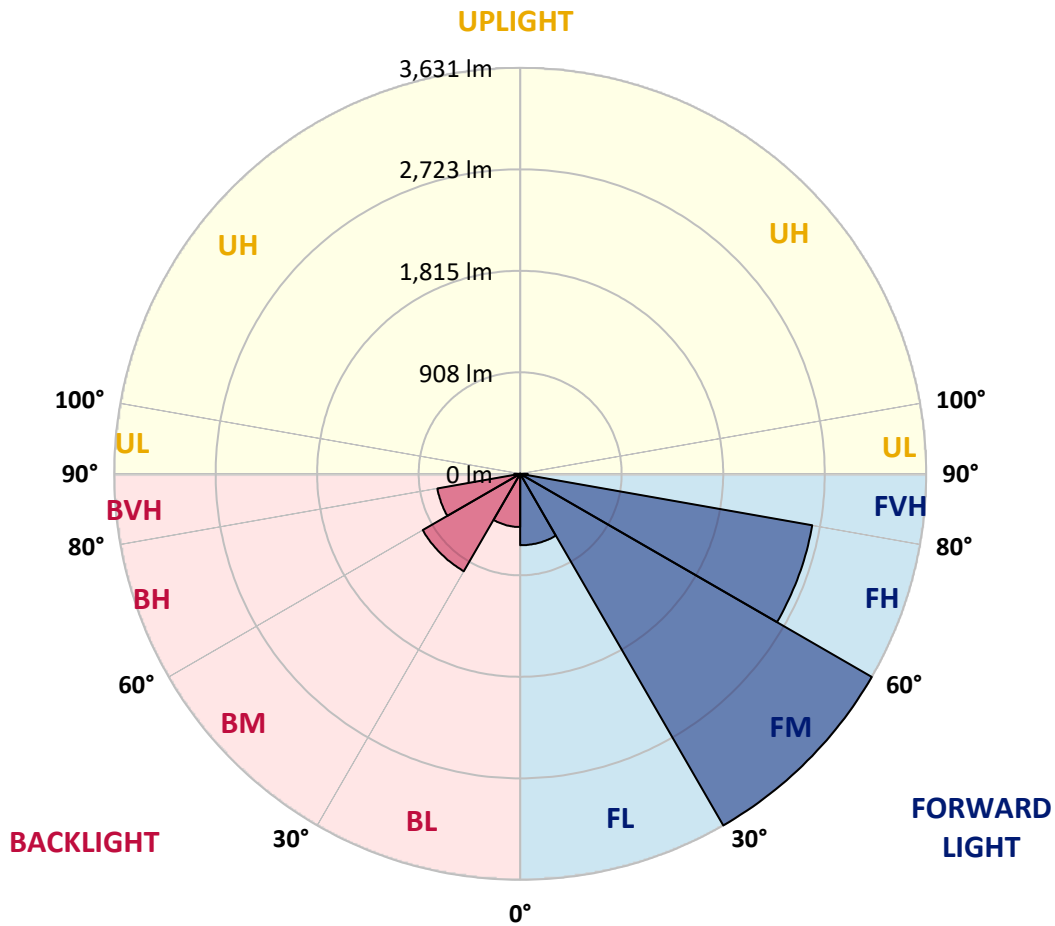
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	638.8	6.9			
FM (30°-60°)	3630.9	39.1			
FH (60°-80°)	2652.3	28.6			G2/5000
FVH (80°-90°)	67.9	0.7			G1/100
BL (0°-30°)	475.8	5.1	B1/500		
BM (30°-60°)	1006.2	10.8	B2/2500		
BH (60°-80°)	751.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	53.4	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-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1
2.5°	1392.6	1400.5	1398.0	1395.6	1395.6	1392.1	1391.6	1386.7	1382.8	1376.4
5°	1410.3	1418.7	1417.7	1419.7	1426.1	1427.6	1429.0	1426.1	1418.2	1410.3
7.5°	1394.6	1403.9	1406.9	1418.7	1438.4	1456.1	1469.4	1474.8	1467.4	1456.1
10°	1341.4	1351.8	1362.1	1390.2	1425.1	1466.9	1502.4	1523.6	1522.1	1511.2
12.5°	1233.6	1244.4	1266.6	1321.2	1385.2	1459.1	1525.0	1569.3	1584.6	1576.7
15°	1147.5	1156.8	1173.6	1229.7	1312.9	1425.1	1533.4	1619.5	1658.4	1654.0
17.5°	1145.0	1148.9	1159.3	1185.9	1249.9	1371.9	1524.5	1668.8	1743.1	1742.6
20°	1188.3	1189.8	1195.7	1201.1	1237.6	1331.6	1501.9	1709.6	1838.1	1838.1
22.5°	1248.4	1247.4	1253.3	1248.4	1266.1	1328.1	1487.6	1745.6	1943.9	1951.8
25°	1338.5	1333.5	1332.1	1320.7	1324.2	1360.1	1503.4	1786.4	2069.5	2085.7
27.5°	1458.6	1450.7	1445.3	1419.2	1410.3	1426.1	1551.6	1835.7	2209.3	2237.3
30°	1615.1	1600.8	1593.0	1547.7	1515.7	1518.1	1624.5	1901.1	2355.5	2400.8
32.5°	1828.8	1806.6	1785.4	1711.1	1652.5	1633.3	1718.5	1991.7	2514.0	2586.4
35°	2068.0	2050.3	2027.6	1912.9	1822.9	1778.5	1845.5	2118.2	2699.6	2814.3
37.5°	2298.4	2283.1	2293.9	2139.4	2023.2	1958.7	2011.9	2288.0	2928.5	3097.8
40°	2536.6	2524.8	2526.3	2378.6	2243.2	2170.9	2213.7	2501.2	3190.9	3435.0
42.5°	2795.6	2786.7	2757.2	2626.2	2474.1	2406.7	2446.1	2747.3	3472.4	3819.0
45°	3085.5	3080.1	3052.5	2902.4	2728.1	2652.3	2705.5	3019.1	3755.5	4180.3
47.5°	3336.1	3340.5	3337.1	3210.5	3029.9	2918.6	2982.1	3302.6	4018.8	4520.0
50°	3456.7	3479.8	3513.8	3474.4	3362.2	3248.9	3261.2	3576.3	4269.9	4838.5
52.5°	3393.7	3437.5	3530.0	3593.0	3636.4	3612.7	3579.7	3848.0	4506.2	5125.9
55°	3158.9	3220.4	3374.0	3526.1	3747.1	3918.9	3962.2	4149.3	4736.6	5379.0
57.5°	2731.1	2831.0	2968.8	3276.5	3648.7	4067.1	4408.2	4567.2	4980.7	5649.2
60°	1997.6	2131.5	2302.8	2760.6	3304.1	3987.8	4787.8	5209.1	5327.8	5999.2
62.5°	1278.4	1361.1	1518.6	1949.9	2574.5	3581.7	4903.9	6011.5	5916.0	6573.2
65°	875.2	928.4	1072.6	1314.8	1664.3	2666.1	4592.8	6613.1	6850.3	7482.9
67.5°	636.0	676.4	799.4	1011.6	1084.5	1577.7	3564.0	6585.5	7758.6	8420.2
70°	463.7	492.3	595.6	799.4	834.4	877.7	2159.1	5598.0	7738.9	8669.3
72.5°	343.6	363.3	432.7	620.3	675.4	592.7	1068.7	4068.6	6650.0	7841.3
75°	248.6	263.4	314.6	474.5	540.5	451.4	533.1	2377.6	4638.6	5515.8
77.5°	190.0	201.3	234.8	347.5	432.7	338.7	330.8	1093.8	2199.4	2210.3
80°	152.6	160.0	178.2	244.7	331.8	253.5	215.6	441.6	695.1	588.3
82.5°	112.2	124.5	150.6	171.8	237.3	174.8	131.4	223.0	264.3	227.4
85°	64.0	72.4	91.1	123.1	151.6	106.8	75.3	98.9	123.1	100.9
87.5°	22.6	29.5	32.0	48.2	66.0	44.3	29.0	28.6	40.4	30.0
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°
1360.1	0°	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1	1360.1
1374.9	2.5°	1370.0	1367.5	1357.7	1344.4	1330.6	1317.3	1312.9	1303.5	1297.1	1293.7
1406.9	5°	1397.5	1389.7	1366.5	1337.0	1306.0	1272.5	1248.9	1227.2	1211.5	1196.7
1450.7	7.5°	1436.9	1423.1	1383.3	1331.6	1276.4	1220.8	1179.5	1148.0	1126.8	1113.0
1501.9	10°	1482.7	1461.5	1400.5	1323.2	1238.0	1158.3	1109.6	1082.5	1069.2	1061.8
1560.5	12.5°	1535.4	1505.3	1418.2	1304.0	1179.5	1088.4	1054.9	1047.0	1047.5	1048.0
1634.3	15°	1600.3	1558.5	1432.5	1262.2	1103.2	1034.7	1028.8	1041.6	1054.9	1061.3
1718.0	17.5°	1673.7	1614.6	1434.9	1193.2	1028.3	1000.3	1019.0	1046.6	1066.7	1075.6
1811.5	20°	1752.5	1671.7	1417.2	1095.8	966.8	972.2	1005.7	1041.1	1063.3	1074.6
1918.4	22.5°	1842.5	1732.8	1374.9	993.4	916.6	941.7	981.1	1015.5	1038.7	1050.0
2043.9	25°	1945.4	1801.2	1308.4	907.2	873.3	907.2	946.6	975.2	993.9	1004.2
2184.2	27.5°	2059.6	1872.6	1219.8	838.8	835.4	871.8	904.3	926.4	936.3	944.2
2333.3	30°	2174.3	1937.5	1112.5	787.1	802.4	836.8	860.0	869.8	872.8	874.3
2499.7	32.5°	2298.4	1993.7	999.8	744.3	770.9	802.9	816.7	821.1	807.3	798.0
2701.5	35°	2448.5	2053.7	889.5	710.3	739.9	767.4	771.9	767.9	751.7	732.5
2954.6	37.5°	2634.1	2128.5	801.4	686.2	710.8	729.0	723.6	722.6	724.1	701.5
3258.8	40°	2861.5	2226.0	736.9	667.5	687.2	691.1	675.9	684.2	691.6	657.2
3592.5	42.5°	3114.1	2343.7	696.1	654.7	667.5	658.2	634.5	643.9	642.9	597.6
3927.8	45°	3371.5	2471.7	681.8	645.4	649.3	630.6	604.5	607.0	586.3	545.4
4249.2	47.5°	3627.5	2609.0	690.6	637.5	626.7	605.5	585.3	574.5	544.0	513.4
4557.4	50°	3878.5	2753.2	723.1	621.7	595.6	583.3	568.6	549.4	516.9	490.8
4848.8	52.5°	4111.4	2898.4	759.6	595.6	556.8	564.1	554.8	532.6	500.6	474.0
5124.5	55°	4331.9	3043.7	773.8	559.7	520.3	547.4	542.0	501.1	462.7	441.1
5412.9	57.5°	4572.1	3218.4	758.1	513.9	490.8	528.2	507.5	462.2	440.1	423.8
5788.5	60°	4904.9	3492.6	724.1	457.3	462.7	499.6	464.2	445.5	421.4	403.2
6351.7	62.5°	5457.7	4004.1	669.5	401.2	429.7	457.3	443.5	424.8	400.2	382.5
7314.5	65°	6274.9	4714.9	566.6	357.4	392.8	416.0	421.4	402.7	377.1	358.4
8158.3	67.5°	6964.1	5160.9	428.8	321.0	354.9	382.5	397.7	379.5	352.5	334.2
8355.7	70°	6926.1	4837.0	327.4	285.0	321.4	349.5	369.2	354.9	325.9	308.6
7589.7	72.5°	6151.8	4046.4	264.8	248.6	287.5	315.0	338.7	327.8	298.3	281.6
5560.1	75°	4519.5	2872.4	211.7	211.7	245.1	279.1	305.2	298.3	271.2	259.4
2334.3	77.5°	1905.1	1205.1	165.9	175.7	203.8	239.7	272.2	274.7	251.1	265.8
617.3	80°	506.5	332.3	126.5	138.3	160.0	197.9	236.8	235.8	210.2	196.4
229.4	82.5°	193.0	130.9	90.1	97.5	115.7	151.6	187.6	193.5	167.9	145.2
90.1	85°	74.3	56.1	55.6	58.6	67.4	100.4	141.8	146.7	126.5	107.3
25.1	87.5°	19.2	16.7	20.7	19.7	31.0	53.7	81.2	84.2	77.3	44.8
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>
1360.1
1297.6
1202.6
1116.0
1063.8
1049.0
1060.8
1077.6
1077.6
1053.0
1007.2
947.1
877.7
800.9
733.5
703.0
658.2
597.1
546.9
513.4
488.8
474.5
439.1
422.4
402.2
382.5
359.4
334.7
<b>310.1</b>
281.6
256.0
241.2
182.6
145.2
110.8
64.0
0.0

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