

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: P940192

Luminaire Tested: **GALN-SB3A-927-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940192  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3A-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

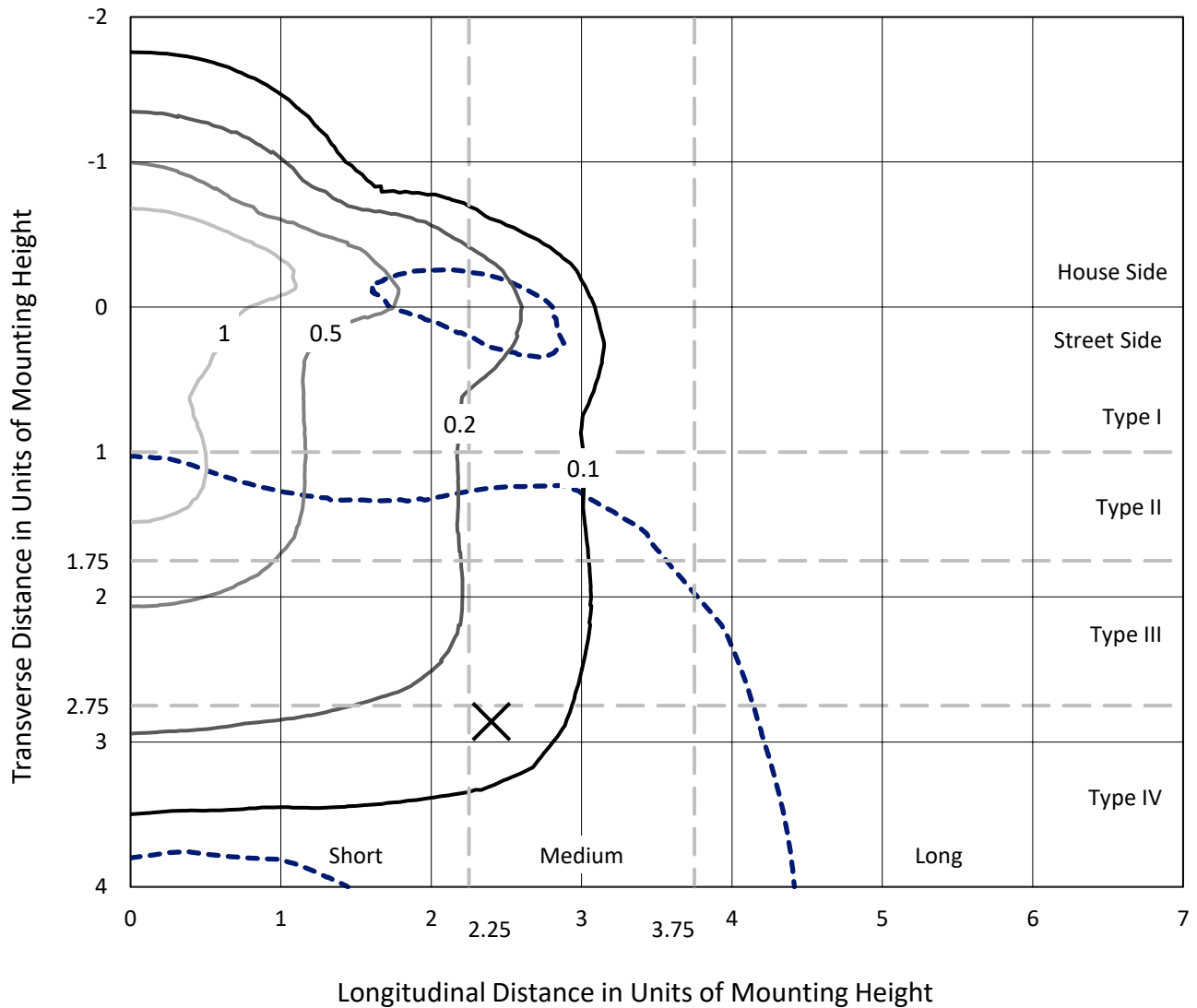
Lumens per Lamp: N/A  
Luminaire Lumens: 8121 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

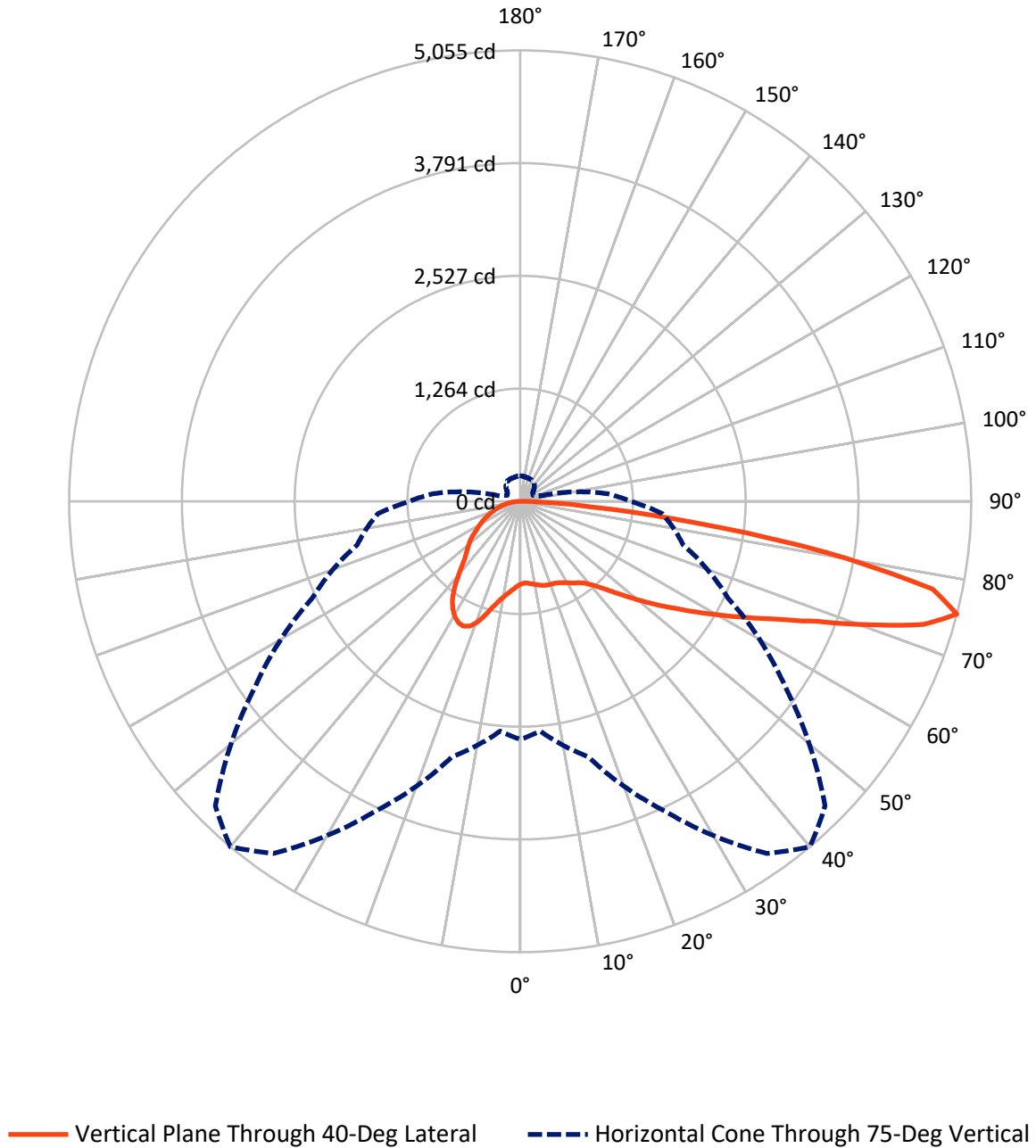
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2516.2	0.0	2516.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	5604.8	0.0	5604.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	8121.0	0.0	8121.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.7	1.1
10°-20°	311.2	3.8
20°-30°	568.3	7.0
30°-40°	806.0	9.9
40°-50°	1088.3	13.4
50°-60°	1464.1	18.0
60°-70°	1858.2	22.9
70°-80°	1686.4	20.8
80°-90°	245.8	3.0
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°	8121.0	100.0
0°-180°	8121.0	100.0

**Coefficient of Utilization**



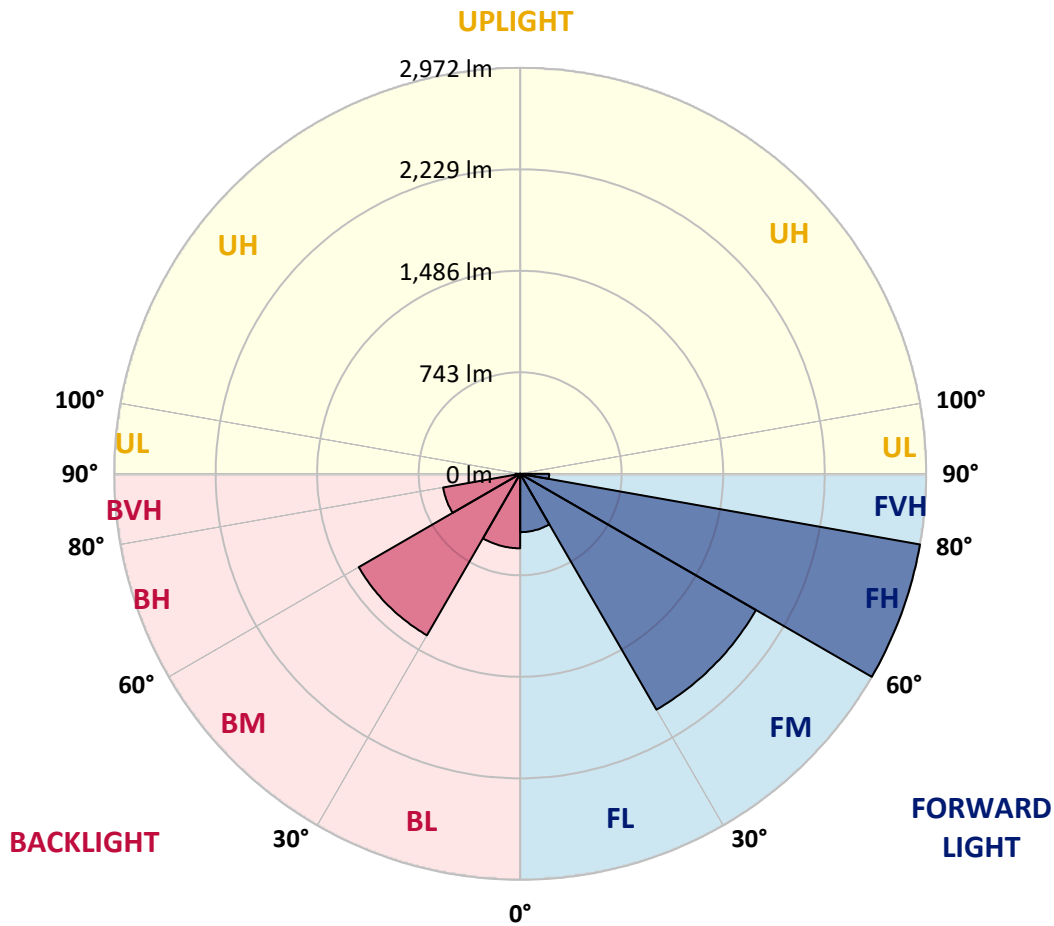
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	427.2	5.3			
FM (30°-60°)	1993.5	24.5			
FH (60°-80°)	2972.2	36.6			G2/5000
FVH (80°-90°)	212.0	2.6			G2/225
BL (0°-30°)	545.0	6.7	B2/1000		
BM (30°-60°)	1364.8	16.8	B2/2500		
BH (60°-80°)	572.5	7.0	B2/1000		G2/1000
BVH (80°-90°)	33.8	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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	928.6	928.6	928.6	928.6	928.6	928.6	928.6	928.6	928.6	928.6
2.5°	914.4	919.6	918.3	916.6	916.6	917.0	916.6	919.6	922.6	925.6
5°	923.9	929.1	926.5	924.3	922.6	922.2	920.9	920.5	922.2	926.1
7.5°	942.4	947.6	943.7	939.8	936.4	934.7	933.0	930.4	929.1	931.2
10°	963.1	968.3	963.5	956.6	951.0	948.9	947.2	944.6	942.9	944.2
12.5°	983.8	988.9	982.5	973.0	965.7	964.4	962.2	961.4	961.0	960.5
15°	1003.2	1007.5	999.3	988.1	980.3	978.2	976.0	977.3	979.5	982.1
17.5°	1018.2	1022.5	1010.5	995.8	988.5	987.7	986.4	990.7	996.7	1003.2
20°	1032.0	1036.3	1020.8	1001.0	992.4	992.4	992.8	1001.9	1010.5	1020.0
22.5°	1051.4	1054.9	1035.9	1008.8	996.3	997.1	1000.6	1009.6	1020.4	1033.3
25°	1080.3	1082.8	1059.6	1023.4	1009.2	1011.8	1014.8	1019.1	1029.4	1044.5
27.5°	1126.8	1128.9	1098.4	1049.3	1027.7	1032.0	1036.3	1033.3	1038.1	1051.0
30°	1192.3	1193.5	1154.8	1089.7	1059.2	1061.3	1062.2	1049.7	1040.6	1051.0
32.5°	1269.8	1269.4	1223.3	1138.8	1094.9	1092.8	1085.4	1060.9	1039.8	1048.8
35°	1390.0	1385.2	1325.8	1207.8	1135.4	1122.0	1104.8	1073.4	1044.1	1046.7
37.5°	1589.0	1574.3	1492.0	1320.6	1195.7	1161.7	1136.3	1093.6	1053.6	1045.8
40°	1813.4	1794.8	1704.4	1475.2	1286.2	1231.4	1190.5	1122.5	1069.1	1049.7
42.5°	2079.5	2053.3	1955.9	1657.4	1400.7	1321.5	1259.9	1159.1	1091.9	1062.2
45°	2406.5	2371.6	2233.7	1862.9	1545.0	1439.5	1357.2	1214.6	1126.8	1086.3
47.5°	2736.8	2745.5	2549.5	2098.1	1718.2	1585.1	1479.1	1298.2	1177.6	1125.1
50°	3087.9	3093.9	2863.5	2358.7	1914.6	1749.6	1616.1	1391.7	1248.2	1180.2
52.5°	3361.8	3362.7	3148.6	2631.3	2119.2	1930.5	1763.8	1498.5	1330.1	1253.4
55°	3533.3	3531.1	3348.5	2889.3	2354.4	2120.5	1927.5	1620.0	1430.0	1339.6
57.5°	3657.7	3651.3	3486.3	3111.1	2605.0	2344.9	2112.7	1757.8	1548.0	1442.1
60°	3705.1	3701.2	3579.8	3302.8	2868.6	2593.0	2326.4	1912.0	1682.0	1563.1
62.5°	3723.2	3730.5	3671.5	3488.5	3150.8	2867.8	2561.1	2096.3	1832.7	1700.1
65°	3787.0	3800.3	3788.2	3731.4	3469.5	3189.5	2872.5	2315.6	1997.3	1847.0
67.5°	3913.2	3926.5	3931.7	4022.1	3858.9	3590.5	3261.0	2588.7	2189.8	1999.4
70°	3910.1	3906.3	3997.6	4253.4	4346.5	4145.7	3784.8	2924.6	2419.4	2126.1
72.5°	3559.1	3528.1	3743.9	4250.8	4752.2	4725.5	4424.4	3357.9	2617.5	2141.6
75°	2670.1	2587.4	2968.6	3830.9	4819.8	5054.6	4831.0	3626.7	2570.6	1892.2
77.5°	1141.9	1058.7	1508.0	2835.9	4313.7	4725.1	4458.0	3164.1	2052.0	1251.3
80°	298.9	298.5	455.7	1285.7	2933.7	3489.3	3061.2	2043.4	1172.4	447.1
82.5°	123.6	120.6	167.6	500.1	1433.5	1958.1	1598.0	911.4	423.4	121.0
85°	46.1	45.7	81.4	172.7	505.7	807.6	584.5	233.0	105.5	59.0
87.5°	12.9	12.5	17.7	59.9	123.2	186.9	99.9	38.3	29.7	23.3
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°
928.6	0°	928.6	928.6	928.6	928.6	928.6	928.6	928.6	928.6	928.6	928.6
930.4	2.5°	931.7	933.8	937.7	940.7	944.6	948.9	954.9	958.8	962.7	965.3
932.5	5°	935.5	940.3	950.2	960.1	971.7	982.5	995.0	1004.0	1011.3	1013.5
940.3	7.5°	944.2	951.9	968.7	985.5	1004.0	1021.7	1039.8	1055.3	1067.8	1072.5
954.1	10°	959.2	969.6	993.3	1016.9	1041.5	1068.6	1091.9	1114.3	1132.0	1139.3
970.4	12.5°	978.2	991.1	1022.1	1054.9	1088.9	1126.4	1156.5	1184.1	1206.0	1215.9
993.3	15°	1002.7	1019.5	1059.2	1103.1	1153.1	1205.2	1243.5	1274.1	1298.6	1310.7
1016.9	17.5°	1029.4	1051.8	1101.8	1168.1	1239.6	1308.1	1352.9	1375.3	1400.7	1412.4
1038.9	20°	1055.3	1082.8	1154.3	1250.8	1346.0	1418.8	1455.0	1461.0	1462.7	1464.0
1059.6	22.5°	1082.0	1119.0	1220.2	1355.1	1457.1	1507.5	1512.7	1486.9	1450.7	1433.9
1079.8	25°	1111.3	1160.4	1306.4	1470.1	1552.8	1558.8	1519.2	1456.3	1387.8	1356.4
1096.2	27.5°	1139.7	1208.2	1409.8	1579.9	1621.7	1568.7	1483.4	1394.3	1311.6	1278.4
1107.8	30°	1168.1	1262.9	1523.9	1676.0	1653.1	1544.2	1427.0	1327.5	1244.4	1209.5
1118.2	32.5°	1197.0	1326.6	1655.3	1745.3	1647.5	1492.0	1356.8	1252.6	1179.3	1142.7
1127.2	35°	1229.7	1405.0	1779.8	1783.2	1610.1	1415.4	1264.2	1163.0	1099.2	1069.9
1138.0	37.5°	1272.4	1504.5	1889.6	1792.7	1544.6	1302.9	1149.2	1057.0	1004.5	991.1
1153.9	40°	1325.3	1624.3	1973.6	1777.6	1447.7	1166.4	1023.4	949.8	920.0	923.0
1175.5	42.5°	1394.3	1758.2	2032.6	1738.8	1312.9	1025.6	913.1	880.4	894.6	906.7
1207.8	45°	1483.9	1897.4	2069.2	1672.9	1160.4	906.2	848.1	855.9	866.6	867.9
1259.9	47.5°	1598.4	2038.2	2093.3	1573.4	1004.9	822.3	806.8	808.5	806.3	797.3
1337.8	50°	1741.4	2175.2	2114.9	1441.6	872.7	769.7	749.0	743.0	713.3	684.0
1441.6	52.5°	1904.2	2300.9	2123.9	1278.0	769.7	725.8	692.2	654.3	598.7	589.7
1572.2	55°	2085.1	2417.2	2100.7	1076.8	683.1	669.3	618.5	572.9	566.8	559.1
1744.0	57.5°	2301.4	2542.6	2053.3	852.4	594.4	603.4	553.9	559.1	548.3	536.3
1965.0	60°	2537.8	2672.2	1970.1	647.8	502.7	521.2	537.1	536.7	533.7	523.8
2198.0	62.5°	2750.6	2757.5	1806.5	496.2	422.1	457.4	500.9	500.5	497.9	492.3
2441.4	65°	2877.3	2744.6	1533.4	390.7	355.8	404.9	451.8	455.3	455.7	455.3
2624.4	67.5°	2854.9	2593.4	1158.7	311.0	301.1	351.5	403.2	407.9	411.3	412.2
2647.7	70°	2601.6	2261.3	755.5	248.1	252.4	304.5	357.1	361.8	364.8	368.3
2297.5	72.5°	2027.9	1662.6	432.4	200.7	209.8	264.0	311.4	317.0	318.7	325.2
1598.9	75°	1235.8	977.8	233.5	158.1	172.3	225.7	266.2	272.7	275.7	283.4
785.2	77.5°	587.5	423.4	133.1	123.2	138.7	184.4	224.8	232.2	224.0	228.3
216.7	80°	198.6	157.2	84.0	93.9	106.0	143.9	180.0	187.4	170.1	169.3
71.9	82.5°	69.3	63.7	53.4	62.5	68.5	102.9	136.1	145.6	126.6	126.2
32.3	85°	27.1	25.8	29.7	34.0	40.9	63.3	89.6	94.3	78.0	62.9
9.5	87.5°	5.6	6.0	7.3	7.8	12.5	22.0	32.3	39.6	31.4	26.7
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>
928.6
963.5
1014.4
1072.9
1139.7
1215.9
1309.8
1411.9
1467.5
1438.6
1361.1
1282.3
1213.4
1147.5
1076.4
1000.6
933.4
917.9
876.5
804.2
687.9
592.7
560.4
534.1
520.3
490.2
455.3
413.1
370.0
327.8
284.3
224.8
167.6
120.2
62.0
24.6
0.0

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