

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: P945615

Luminaire Tested: **GALN-SB1C-735-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-735-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7322 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

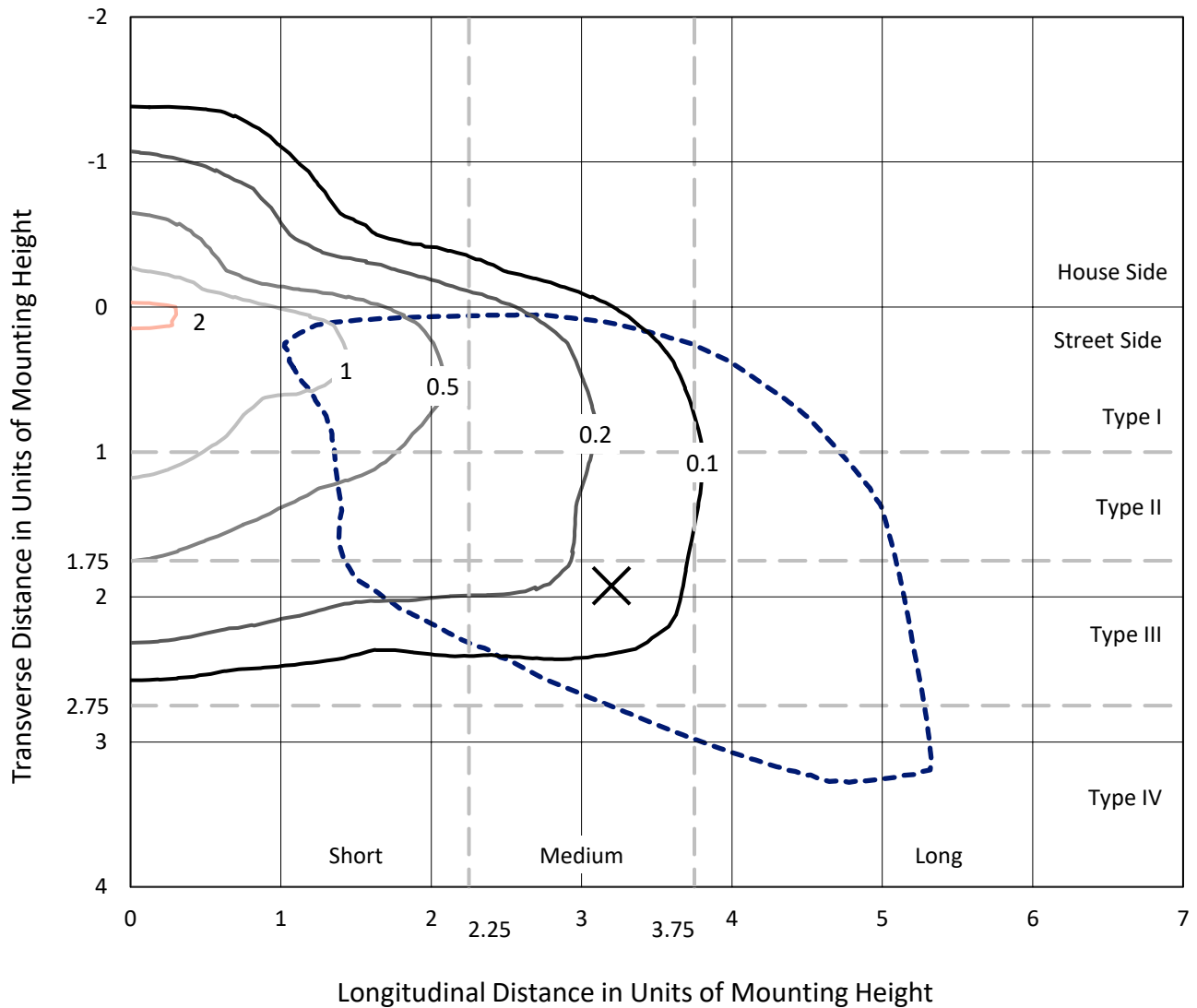
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

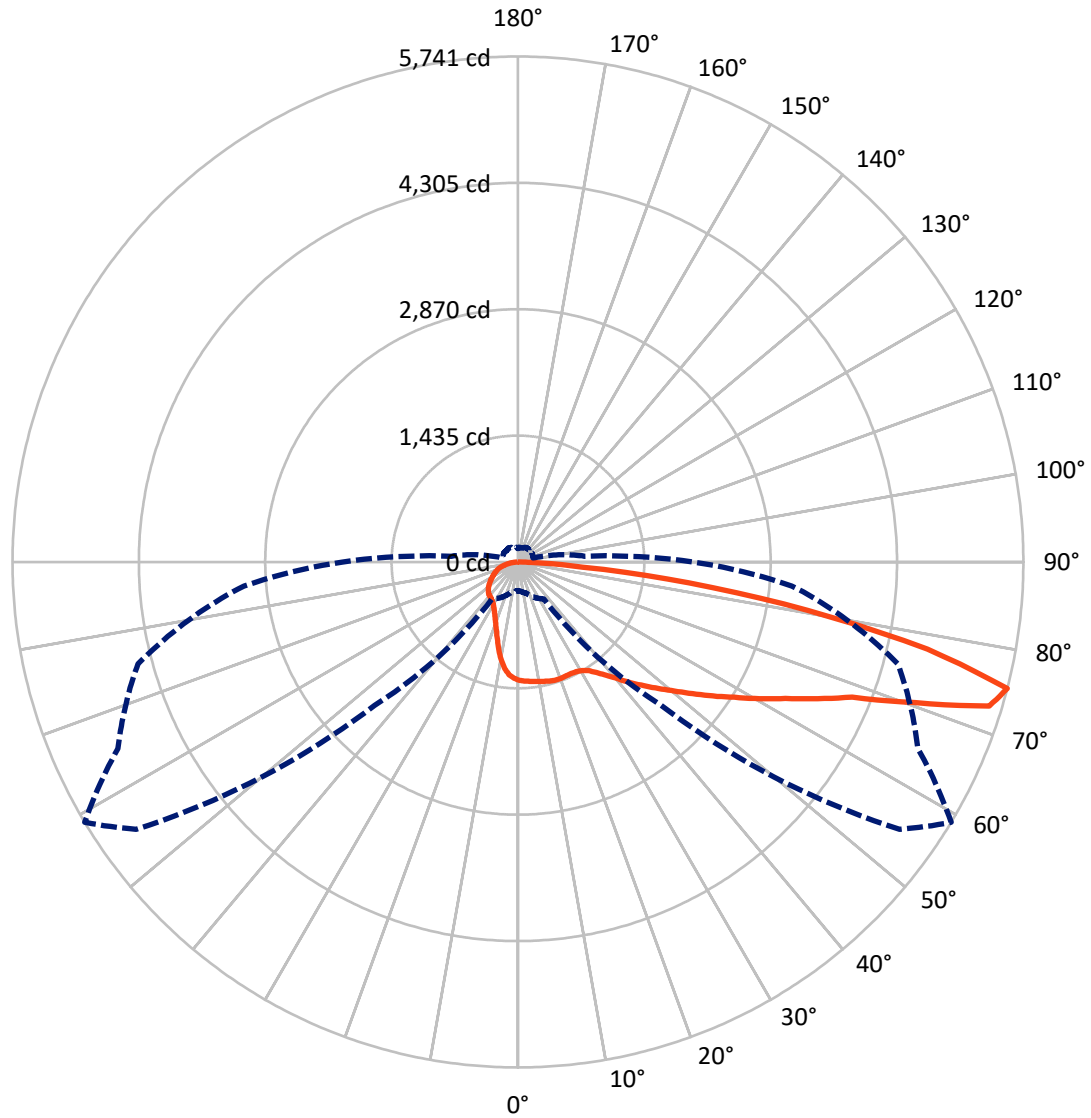
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1373.3	0.0	1373.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5948.7	0.0	5948.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	7322.0	0.0	7322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	1.6
10°-20°	308.0	4.2
20°-30°	467.9	6.4
30°-40°	695.5	9.5
40°-50°	1034.3	14.1
50°-60°	1403.9	19.2
60°-70°	1713.9	23.4
70°-80°	1345.1	18.4
80°-90°	233.0	3.2
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°	7322.0	100.0
0°-180°	7322.0	100.0

Coefficient of Utilization



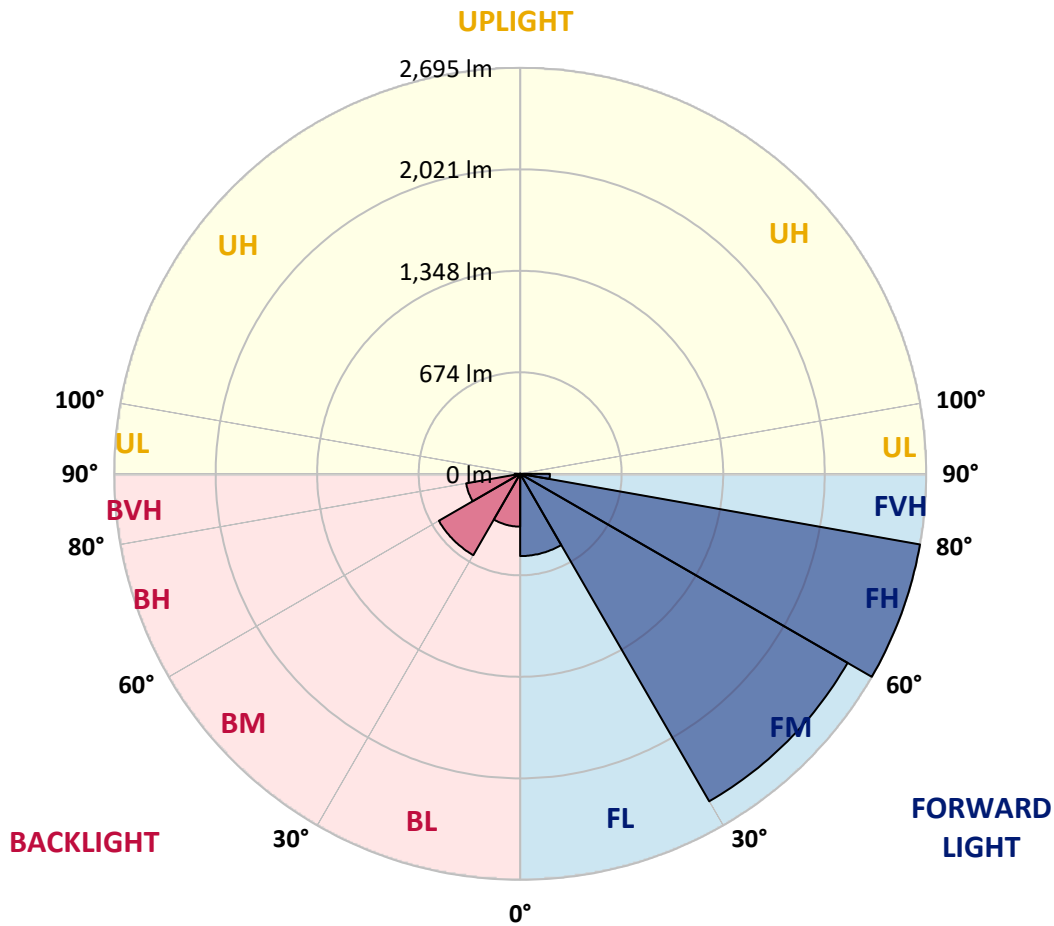
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.9	7.5			
FM (30°-60°)	2510.3	34.3			
FH (60°-80°)	2695.2	36.8			G2/5000
FVH (80°-90°)	197.3	2.7			G2/225
BL (0°-30°)	350.4	4.8	B1/500		
BM (30°-60°)	623.3	8.5	B1/1000		
BH (60°-80°)	363.8	5.0	B1/500		G1/500
BVH (80°-90°)	35.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9
2.5°	1355.4	1350.6	1355.4	1353.4	1352.6	1351.0	1351.4	1354.2	1352.6	1354.6
5°	1346.3	1343.5	1348.3	1347.1	1352.2	1353.0	1358.1	1361.3	1363.2	1363.6
7.5°	1331.3	1328.6	1335.3	1340.8	1351.8	1355.0	1365.6	1370.7	1373.5	1378.2
10°	1276.6	1275.4	1291.9	1312.8	1338.8	1355.0	1371.1	1379.8	1384.1	1396.7
12.5°	1179.7	1181.3	1202.9	1243.1	1295.1	1347.1	1377.4	1390.0	1396.7	1412.5
15°	1087.1	1086.7	1110.4	1153.3	1226.2	1312.4	1380.6	1402.2	1413.7	1436.9
17.5°	1033.6	1032.0	1048.5	1081.2	1149.0	1259.3	1372.7	1408.9	1433.3	1462.5
20°	1023.7	1020.6	1029.2	1045.4	1093.4	1201.0	1352.2	1408.9	1449.1	1486.9
22.5°	1059.6	1054.4	1050.9	1048.9	1070.2	1152.9	1329.0	1404.2	1472.3	1522.0
25°	1131.6	1123.8	1105.6	1087.9	1081.6	1131.2	1308.5	1403.0	1507.0	1569.2
27.5°	1248.2	1238.4	1201.7	1159.2	1121.0	1142.3	1299.4	1410.1	1545.2	1619.3
30°	1392.8	1382.1	1336.1	1270.7	1202.1	1183.2	1310.9	1431.0	1594.1	1685.8
32.5°	1522.4	1510.6	1471.2	1404.6	1312.0	1254.1	1347.1	1470.8	1670.9	1778.4
35°	1637.4	1623.6	1588.1	1526.7	1446.7	1353.8	1412.5	1541.3	1780.0	1928.9
37.5°	1750.0	1733.9	1695.3	1630.3	1574.4	1486.5	1502.7	1631.9	1924.9	2111.6
40°	1876.1	1852.8	1806.0	1741.8	1687.4	1642.1	1621.2	1742.9	2072.2	2315.7
42.5°	1998.2	1976.1	1920.2	1865.4	1797.3	1784.3	1758.7	1872.9	2233.3	2539.8
45°	2129.7	2103.3	2035.6	1966.3	1923.3	1878.8	1891.8	2002.9	2391.3	2768.2
47.5°	2253.0	2223.5	2143.5	2066.3	2042.7	1958.4	2013.9	2145.9	2555.5	2999.8
50°	2319.6	2290.4	2223.9	2154.2	2135.6	2056.5	2146.3	2303.0	2727.7	3230.6
52.5°	2375.1	2343.6	2256.6	2218.0	2212.5	2163.2	2309.3	2482.7	2899.8	3434.7
55°	2434.2	2399.2	2288.1	2253.4	2278.6	2283.0	2502.7	2686.3	3081.8	3633.6
57.5°	2502.4	2457.8	2318.4	2283.4	2343.2	2423.2	2724.9	2897.4	3260.6	3817.9
60°	2566.6	2521.7	2376.7	2331.0	2412.9	2585.9	2979.7	3153.1	3463.0	3982.2
62.5°	2579.2	2542.1	2423.2	2422.8	2507.5	2775.7	3281.5	3411.0	3639.9	4144.5
65°	2360.9	2337.7	2267.2	2419.2	2643.0	3049.1	3617.4	3741.1	3864.8	4286.3
67.5°	1796.9	1800.1	1794.9	2088.4	2533.5	3441.8	4103.9	4094.4	4142.5	4445.4
70°	821.6	840.2	960.7	1441.6	2029.7	3487.1	4908.2	4785.7	4491.1	4651.4
72.5°	443.9	458.1	507.3	698.4	1220.3	3100.3	5509.3	5596.3	4954.7	4790.0
75°	325.7	333.6	367.9	443.9	512.4	2304.2	5293.8	5740.5	5012.6	4466.7
77.5°	243.8	247.4	275.3	351.7	262.3	1214.7	4229.9	4754.2	4291.0	3669.8
80°	176.9	180.8	201.7	263.9	183.9	444.3	2904.5	3337.0	2938.8	2339.3
82.5°	122.1	123.7	132.7	179.6	128.4	172.5	1648.0	1956.8	1640.5	820.9
85°	73.7	75.6	79.6	104.8	72.9	81.9	711.4	735.8	490.4	196.2
87.5°	30.3	32.3	35.4	44.1	28.8	22.8	117.4	147.3	91.8	57.5
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°
1343.9	0°	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9	1343.9
1347.9	2.5°	1345.9	1343.1	1335.7	1325.4	1316.0	1304.2	1299.0	1294.7	1290.8	1283.3
1358.5	5°	1354.2	1346.7	1326.6	1300.6	1271.1	1238.8	1207.3	1185.6	1167.1	1153.3
1370.7	7.5°	1366.8	1352.6	1316.0	1262.8	1195.0	1125.7	1063.1	1018.6	985.1	972.9
1388.1	10°	1379.8	1362.8	1299.0	1205.3	1088.3	981.6	898.5	852.8	826.0	817.3
1408.5	12.5°	1395.1	1370.3	1272.6	1125.3	969.0	852.0	779.5	752.7	738.9	734.2
1433.7	15°	1417.6	1376.6	1232.9	1025.3	855.1	757.4	710.6	692.1	685.0	684.6
1459.7	17.5°	1434.5	1377.8	1171.0	918.1	767.7	700.3	661.7	654.6	659.4	666.5
1485.3	20°	1453.4	1367.2	1089.9	820.5	706.2	650.3	634.2	638.9	650.3	660.5
1519.2	22.5°	1466.8	1347.9	991.8	744.4	653.1	621.6	620.8	630.6	636.9	642.0
1559.0	25°	1478.6	1315.2	887.8	680.6	609.3	604.2	612.9	609.7	605.4	609.7
1598.8	27.5°	1487.3	1263.6	794.9	624.7	578.6	592.4	587.3	580.2	579.8	582.2
1645.7	30°	1484.6	1194.7	718.4	571.5	557.0	570.3	558.1	557.0	555.8	557.0
1716.2	32.5°	1484.6	1116.3	659.8	534.9	543.2	538.0	536.9	534.1	529.4	529.0
1811.9	35°	1492.8	1037.9	609.3	515.2	531.7	519.5	520.3	513.6	503.8	499.1
1938.7	37.5°	1509.8	974.9	559.3	505.7	511.7	511.3	508.1	496.7	479.4	464.4
2097.0	40°	1550.7	956.4	525.0	501.4	502.2	506.9	498.7	476.6	437.2	412.8
2257.8	42.5°	1614.9	987.5	517.6	490.8	495.9	500.6	484.5	433.3	405.3	390.7
2426.3	45°	1696.5	1041.8	533.7	475.4	480.9	489.2	441.2	416.7	404.1	404.5
2593.3	47.5°	1799.7	1098.9	563.6	462.0	459.3	464.0	412.4	397.4	380.1	384.4
2753.7	50°	1919.0	1156.8	592.0	443.9	435.2	419.9	393.9	379.7	357.6	347.4
2908.4	52.5°	2048.2	1212.8	603.4	421.9	409.2	391.5	381.3	364.0	337.2	320.2
3054.6	55°	2170.7	1263.6	590.8	395.5	383.3	369.5	367.9	357.3	328.5	304.9
3184.6	57.5°	2286.5	1306.1	559.3	368.7	356.9	348.6	359.2	354.1	317.9	287.5
3307.5	60°	2384.6	1335.3	513.6	341.5	333.2	328.9	345.0	343.5	302.9	269.0
3417.7	62.5°	2462.6	1346.7	463.2	315.5	313.5	305.7	325.3	325.3	284.0	250.9
3514.6	65°	2523.6	1335.7	412.0	289.9	293.8	282.0	301.3	299.0	263.9	234.8
3626.1	67.5°	2577.6	1299.4	355.3	264.7	273.8	258.8	276.1	270.6	241.8	218.6
3722.6	70°	2601.6	1215.1	290.7	239.5	250.5	235.9	250.9	240.7	217.0	201.3
3616.7	72.5°	2408.6	1009.9	228.8	213.1	222.5	210.7	223.7	211.9	190.2	183.2
3123.1	75°	1992.7	757.8	176.1	184.3	191.4	182.4	191.0	182.4	162.7	167.8
2307.0	77.5°	1447.1	511.7	134.7	154.0	157.2	152.4	159.9	150.1	132.3	131.2
1149.8	80°	719.6	299.7	105.6	121.7	120.5	117.4	126.0	121.3	106.3	112.7
310.4	82.5°	208.4	128.4	76.8	85.5	83.1	83.9	90.2	92.6	138.6	137.5
96.5	85°	65.4	50.4	46.1	47.7	45.3	46.5	53.2	105.6	97.7	57.1
29.9	87.5°	16.9	17.3	11.4	12.2	12.6	15.0	16.9	64.2	30.7	20.1
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>
1343.9
1279.7
1141.9
951.6
803.9
735.4
686.1
669.2
664.1
644.8
612.5
586.1
561.3
534.1
503.8
469.5
415.9
390.7
406.5
395.5
350.2
319.8
304.9
286.0
267.8
249.7
233.2
217.0
198.1
177.2
153.2
125.3
111.5
140.6
61.8
21.3
0.0

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