

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: STREETWORKS

Report Number: P847173

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-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: 8592 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

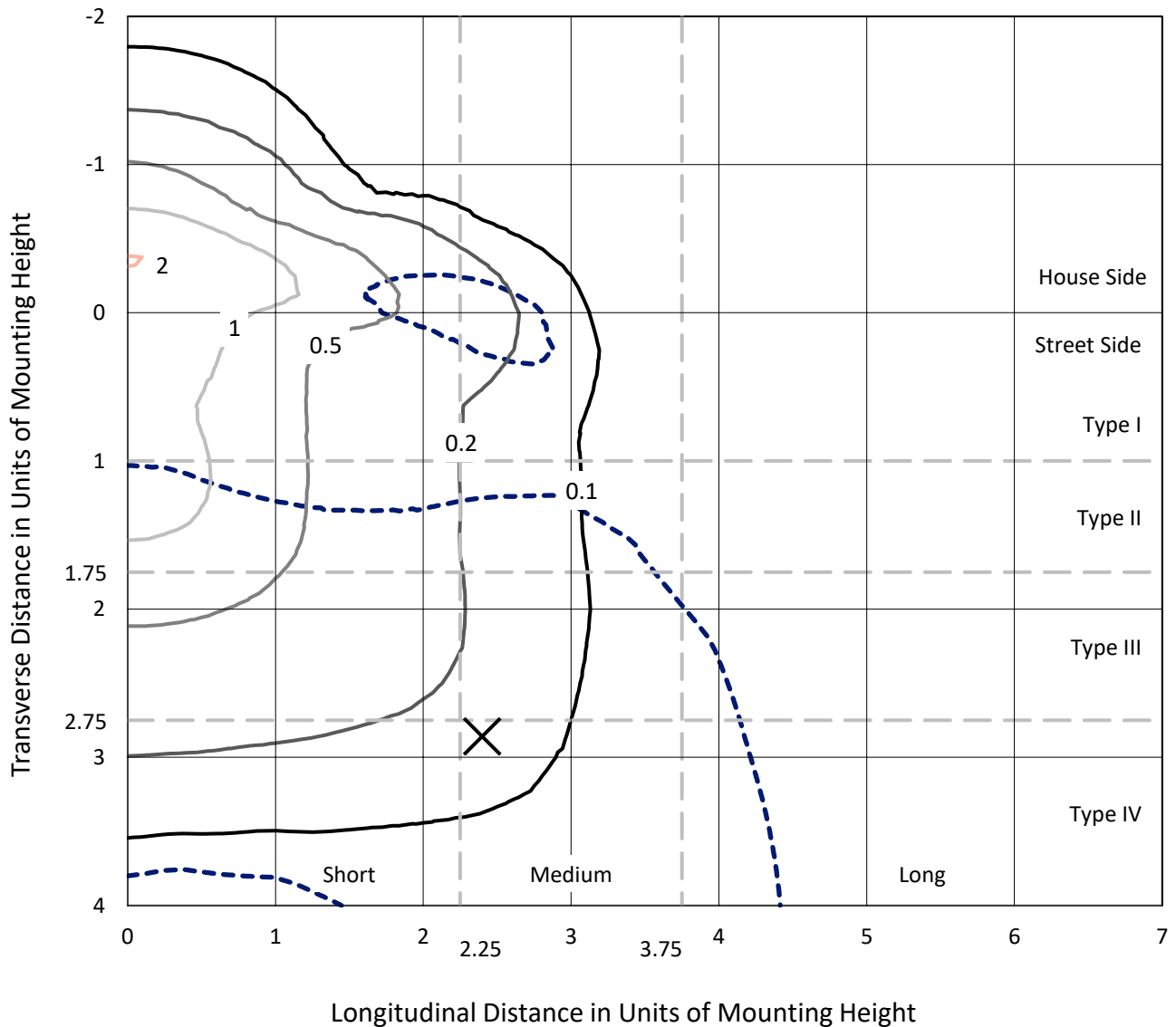
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

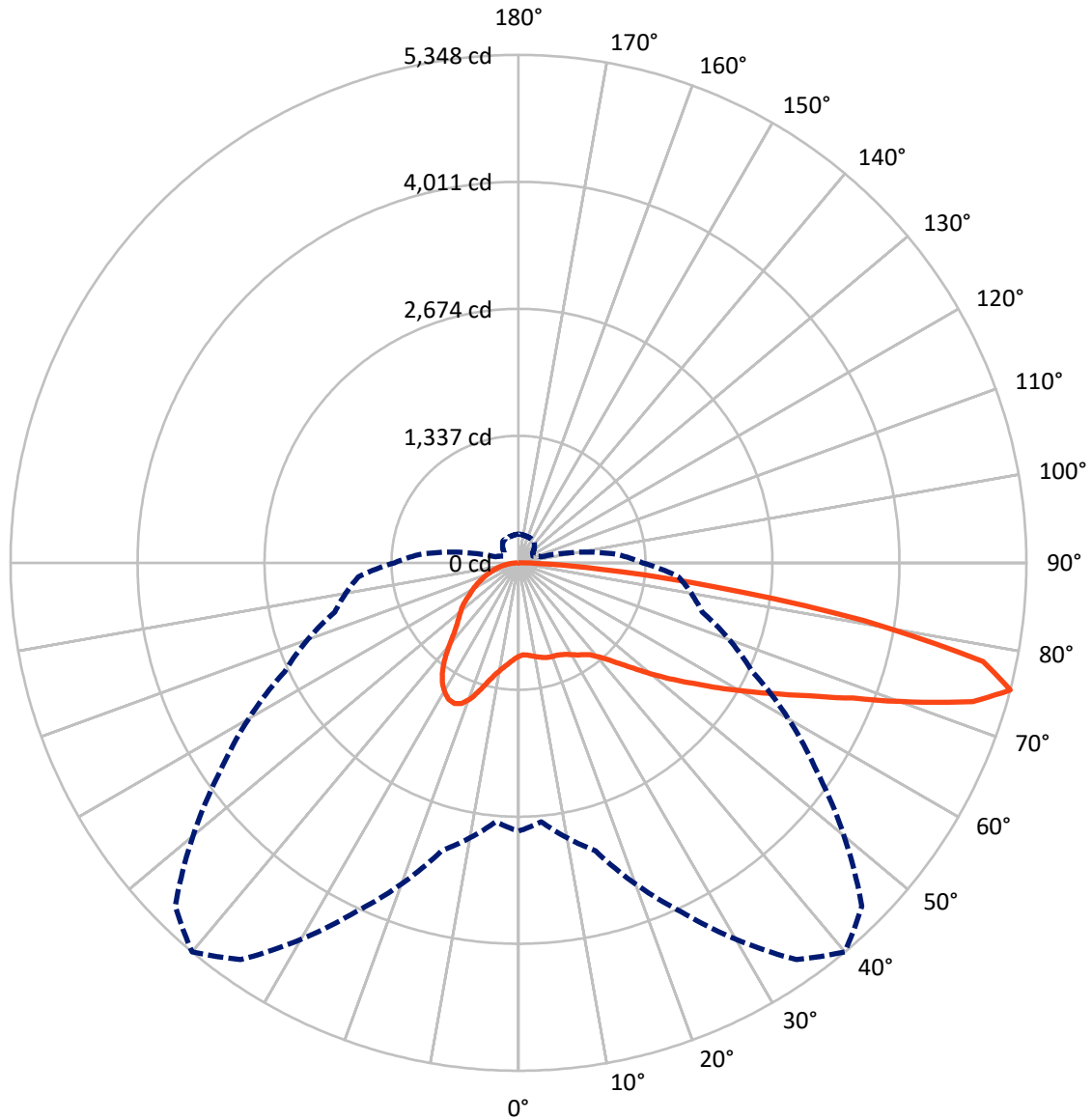
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2662.1	0.0	2662.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5929.9	0.0	5929.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	8592.0	0.0	8592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.1
10°-20°	329.3	3.8
20°-30°	601.2	7.0
30°-40°	852.7	9.9
40°-50°	1151.4	13.4
50°-60°	1549.0	18.0
60°-70°	1966.0	22.9
70°-80°	1784.3	20.8
80°-90°	260.1	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°	8592.0	100.0
0°-180°	8592.0	100.0

Coefficient of Utilization

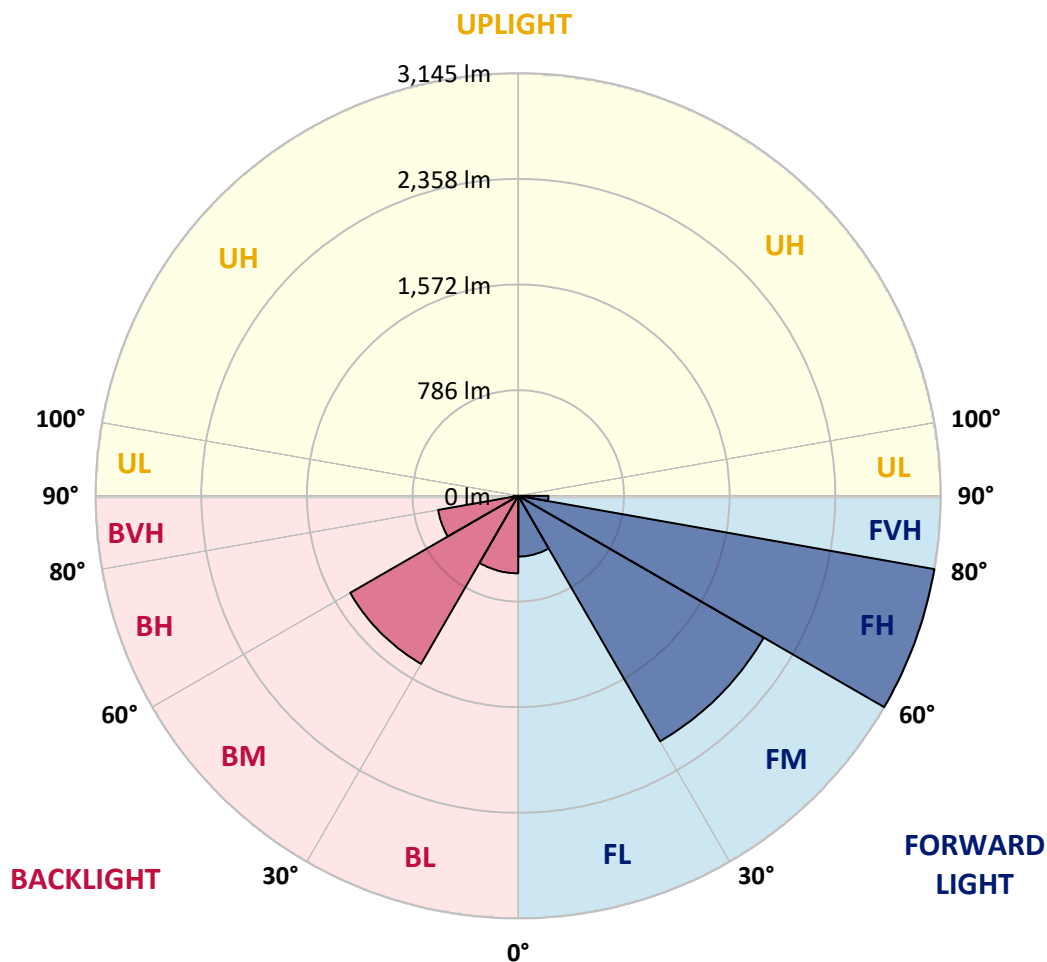


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.9	5.3			
FM (30°-60°)	2109.1	24.5			
FH (60°-80°)	3144.5	36.6			G2/5000
FVH (80°-90°)	224.3	2.6			G2/225
BL (0°-30°)	576.6	6.7	B2/1000		
BM (30°-60°)	1443.9	16.8	B2/2500		
BH (60°-80°)	605.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	35.8	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°	982.5	982.5	982.5	982.5	982.5	982.5	982.5	982.5	982.5	982.5
2.5°	967.5	972.9	971.6	969.7	969.7	970.2	969.7	972.9	976.1	979.3
5°	977.5	983.0	980.2	977.9	976.1	975.7	974.3	973.8	975.7	979.8
7.5°	997.1	1002.6	998.5	994.4	990.7	988.9	987.1	984.3	983.0	985.2
10°	1019.0	1024.4	1019.4	1012.1	1006.2	1003.9	1002.1	999.4	997.5	998.9
12.5°	1040.8	1046.3	1039.5	1029.4	1021.7	1020.3	1018.1	1017.1	1016.7	1016.2
15°	1061.3	1065.9	1057.2	1045.4	1037.2	1034.9	1032.6	1034.0	1036.3	1039.0
17.5°	1077.3	1081.9	1069.1	1053.6	1045.9	1044.9	1043.6	1048.1	1054.5	1061.3
20°	1091.9	1096.4	1080.0	1059.1	1050.0	1050.0	1050.4	1060.0	1069.1	1079.1
22.5°	1112.4	1116.0	1096.0	1067.3	1054.1	1055.0	1058.6	1068.2	1079.6	1093.2
25°	1142.9	1145.7	1121.0	1082.8	1067.7	1070.5	1073.6	1078.2	1089.1	1105.1
27.5°	1192.1	1194.4	1162.1	1110.1	1087.3	1091.9	1096.4	1093.2	1098.3	1111.9
30°	1261.4	1262.8	1221.8	1152.9	1120.6	1122.9	1123.8	1110.6	1101.0	1111.9
32.5°	1343.4	1343.0	1294.2	1204.9	1158.4	1156.1	1148.4	1122.4	1100.1	1109.6
35°	1470.6	1465.6	1402.7	1277.8	1201.2	1187.1	1168.9	1135.6	1104.6	1107.4
37.5°	1681.1	1665.6	1578.6	1397.2	1265.0	1229.0	1202.2	1157.0	1114.7	1106.5
40°	1918.5	1898.9	1803.2	1560.8	1360.7	1302.9	1259.6	1187.6	1131.1	1110.6
42.5°	2200.2	2172.4	2069.4	1753.6	1482.0	1398.1	1332.9	1226.3	1155.2	1123.8
45°	2546.0	2509.1	2363.3	1970.9	1634.6	1523.0	1435.9	1285.1	1192.1	1149.3
47.5°	2895.6	2904.7	2697.3	2219.8	1817.8	1677.0	1564.9	1373.5	1245.9	1190.3
50°	3267.0	3273.4	3029.5	2495.5	2025.6	1851.1	1709.8	1472.4	1320.6	1248.6
52.5°	3556.8	3557.7	3331.2	2783.9	2242.1	2042.5	1866.1	1585.4	1407.2	1326.1
55°	3738.2	3735.9	3542.7	3056.9	2490.9	2243.5	2039.3	1713.9	1513.0	1417.3
57.5°	3869.9	3863.0	3688.5	3291.6	2756.1	2480.9	2235.2	1859.7	1637.8	1525.7
60°	3920.0	3915.9	3787.4	3494.4	3035.0	2743.4	2461.3	2022.9	1779.5	1653.8
62.5°	3939.1	3946.9	3884.5	3690.8	3333.5	3034.1	2709.6	2217.9	1939.0	1798.7
65°	4006.6	4020.7	4008.0	3947.8	3670.7	3374.5	3039.1	2449.9	2113.1	1954.1
67.5°	4140.1	4154.2	4159.7	4255.4	4082.7	3798.8	3450.2	2738.8	2316.8	2115.4
70°	4136.9	4132.8	4229.4	4500.1	4598.6	4386.2	4004.3	3094.3	2559.7	2249.4
72.5°	3765.5	3732.7	3961.0	4497.4	5027.8	4999.6	4681.0	3552.7	2769.3	2265.8
75°	2824.9	2737.4	3140.7	4053.1	5099.4	5347.7	5111.2	3837.1	2719.7	2001.9
77.5°	1208.1	1120.1	1595.4	3000.4	4563.9	4999.1	4716.6	3347.6	2171.0	1323.8
80°	316.3	315.8	482.1	1360.3	3103.8	3691.7	3238.7	2161.9	1240.4	473.0
82.5°	130.8	127.6	177.3	529.1	1516.6	2071.6	1690.7	964.3	448.0	128.1
85°	48.8	48.3	86.1	182.7	535.0	854.5	618.4	246.5	111.6	62.4
87.5°	13.7	13.2	18.7	63.3	130.3	197.8	105.7	40.6	31.4	24.6
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°
982.5	0°	982.5	982.5	982.5	982.5	982.5	982.5	982.5	982.5	982.5	982.5
984.3	2.5°	985.7	988.0	992.1	995.3	999.4	1003.9	1010.3	1014.4	1018.5	1021.2
986.6	5°	989.8	994.8	1005.3	1015.8	1028.1	1039.5	1052.7	1062.3	1070.0	1072.3
994.8	7.5°	998.9	1007.1	1024.9	1042.7	1062.3	1080.9	1100.1	1116.5	1129.7	1134.7
1009.4	10°	1014.9	1025.8	1050.9	1075.9	1101.9	1130.6	1155.2	1178.9	1197.6	1205.3
1026.7	12.5°	1034.9	1048.6	1081.4	1116.0	1152.0	1191.7	1223.6	1252.7	1276.0	1286.5
1050.9	15°	1060.9	1078.7	1120.6	1167.1	1219.9	1275.1	1315.6	1348.0	1374.0	1386.7
1075.9	17.5°	1089.1	1112.8	1165.7	1235.9	1311.5	1384.0	1431.4	1455.1	1482.0	1494.3
1099.2	20°	1116.5	1145.7	1221.3	1323.4	1424.1	1501.1	1539.4	1545.8	1547.6	1549.0
1121.0	22.5°	1144.7	1183.9	1291.0	1433.7	1541.7	1595.0	1600.4	1573.1	1534.8	1517.1
1142.5	25°	1175.7	1227.7	1382.2	1555.3	1642.8	1649.2	1607.3	1540.7	1468.3	1435.0
1159.8	27.5°	1205.8	1278.3	1491.5	1671.5	1715.7	1659.7	1569.5	1475.1	1387.6	1352.5
1172.1	30°	1235.9	1336.1	1612.3	1773.2	1749.0	1633.7	1509.8	1404.5	1316.5	1279.6
1183.0	32.5°	1266.4	1403.6	1751.3	1846.5	1743.1	1578.6	1435.5	1325.2	1247.7	1209.0
1192.6	35°	1301.0	1486.5	1883.0	1886.6	1703.4	1497.5	1337.5	1230.4	1163.0	1132.0
1204.0	37.5°	1346.2	1591.8	1999.2	1896.7	1634.2	1378.5	1215.8	1118.3	1062.7	1048.6
1220.8	40°	1402.2	1718.5	2088.1	1880.7	1531.6	1234.1	1082.8	1004.8	973.4	976.6
1243.6	42.5°	1475.1	1860.2	2150.5	1839.7	1389.0	1085.0	966.1	931.5	946.5	959.3
1277.8	45°	1569.9	2007.4	2189.2	1770.0	1227.7	958.8	897.3	905.5	916.9	918.3
1332.9	47.5°	1691.1	2156.4	2214.7	1664.7	1063.2	869.9	853.5	855.4	853.1	843.5
1415.4	50°	1842.4	2301.3	2237.5	1525.3	923.3	814.4	792.5	786.1	754.7	723.7
1525.3	52.5°	2014.7	2434.4	2247.1	1352.1	814.4	767.9	732.3	692.2	633.4	623.9
1663.3	55°	2206.1	2557.4	2222.5	1139.3	722.8	708.2	654.4	606.1	599.7	591.5
1845.2	57.5°	2434.8	2690.0	2172.4	901.8	628.9	638.4	586.0	591.5	580.1	567.4
2078.9	60°	2685.0	2827.2	2084.4	685.4	531.8	551.4	568.3	567.8	564.6	554.1
2325.5	62.5°	2910.2	2917.4	1911.2	525.0	446.6	484.0	530.0	529.5	526.8	520.9
2583.0	65°	3044.1	2903.8	1622.3	413.3	376.4	428.4	478.0	481.7	482.1	481.7
2776.6	67.5°	3020.4	2743.8	1225.9	329.0	318.5	371.9	426.5	431.6	435.2	436.1
2801.2	70°	2752.5	2392.5	799.3	262.5	267.0	322.2	377.8	382.8	386.0	389.6
2430.7	72.5°	2145.5	1759.0	457.5	212.4	221.9	279.3	329.5	335.4	337.2	344.1
1691.6	75°	1307.4	1034.5	247.0	167.2	182.3	238.8	281.6	288.5	291.7	299.9
830.8	77.5°	621.6	448.0	140.8	130.3	146.7	195.0	237.9	245.6	237.0	241.5
229.2	80°	210.1	166.3	88.9	99.3	112.1	152.2	190.5	198.2	180.0	179.1
76.1	82.5°	73.4	67.4	56.5	66.1	72.5	108.9	144.0	154.0	134.0	133.5
34.2	85°	28.7	27.3	31.4	36.0	43.3	67.0	94.8	99.8	82.5	66.5
10.0	87.5°	5.9	6.4	7.7	8.2	13.2	23.2	34.2	41.9	33.3	28.3
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>
982.5
1019.4
1073.2
1135.2
1205.8
1286.5
1385.8
1493.8
1552.6
1522.1
1440.0
1356.6
1283.7
1214.0
1138.8
1058.6
987.5
971.1
927.4
850.8
727.8
627.1
592.9
565.1
550.5
518.6
481.7
437.0
391.5
346.8
<i>300.8</i>
237.9
177.3
127.1
65.6
26.0
0.0

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