

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: P847143

Luminaire Tested: **GLAN-SB3A-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847143
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-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 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: 11046 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

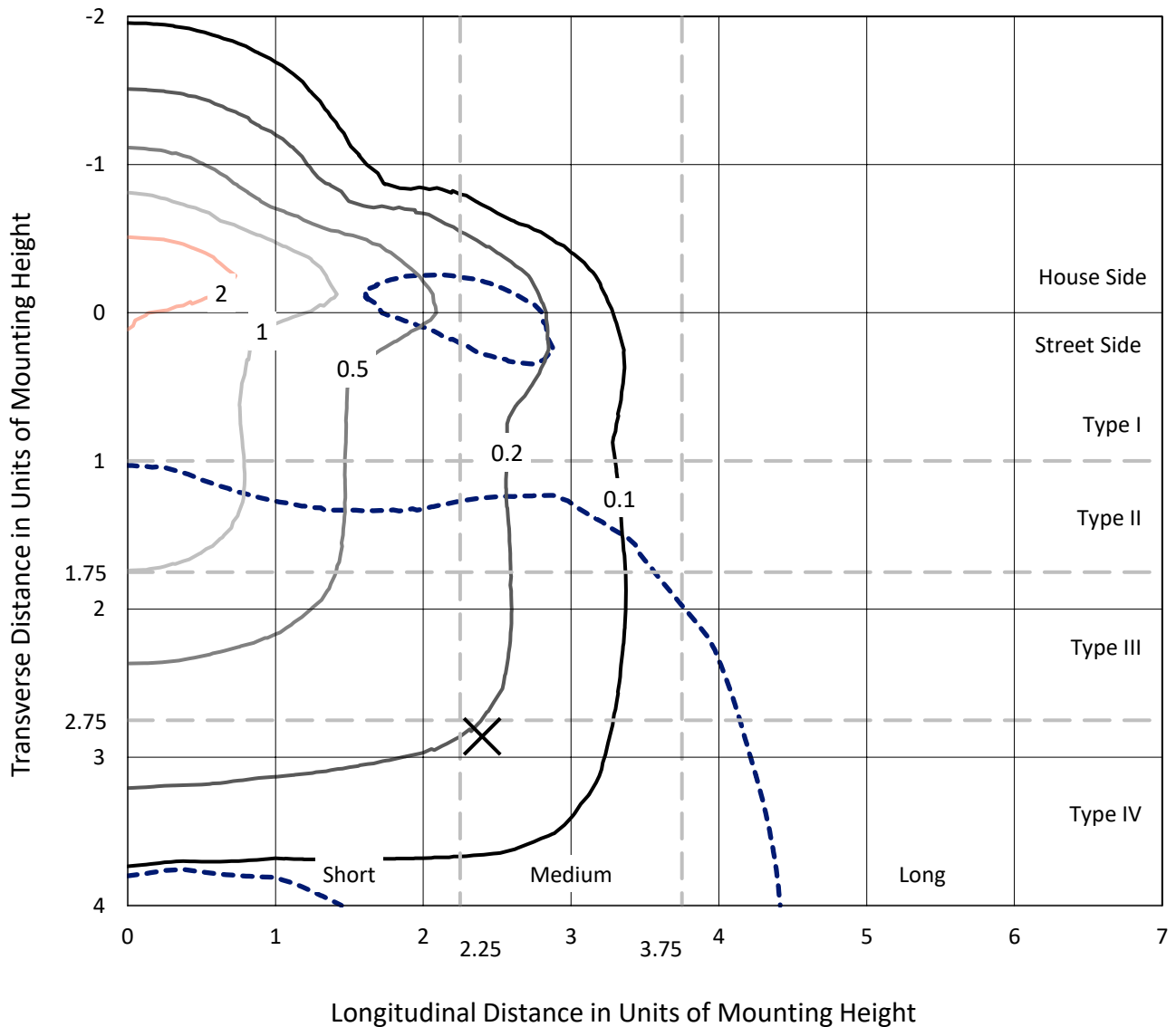
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

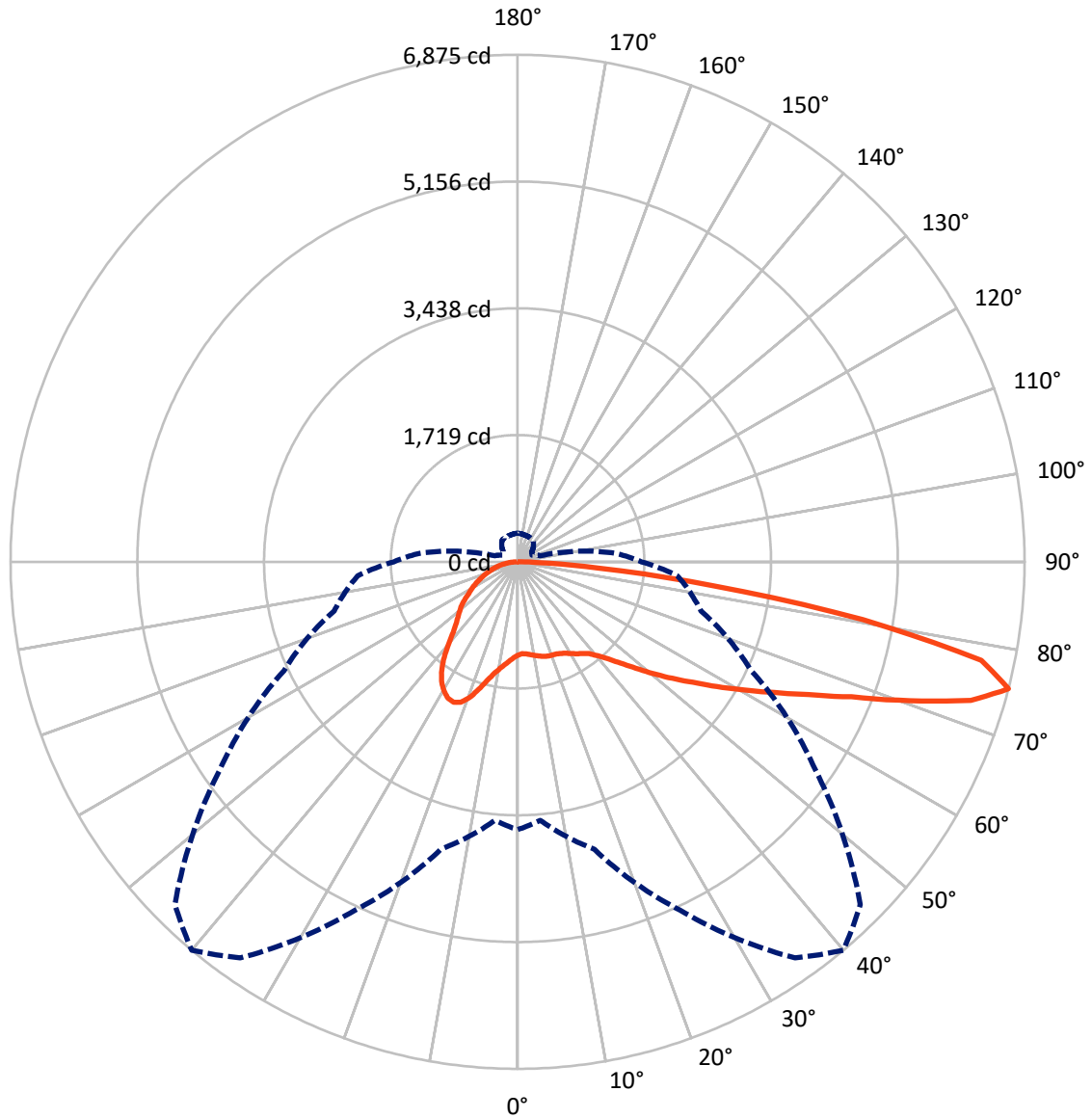
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	3422.4	0.0	3422.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7623.6	0.0	7623.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	11046.0	0.0	11046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	1.1
10°-20°	423.3	3.8
20°-30°	773.0	7.0
30°-40°	1096.3	9.9
40°-50°	1480.3	13.4
50°-60°	1991.4	18.0
60°-70°	2527.5	22.9
70°-80°	2293.9	20.8
80°-90°	334.4	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°	11046.0	100.0
0°-180°	11046.0	100.0

Coefficient of Utilization

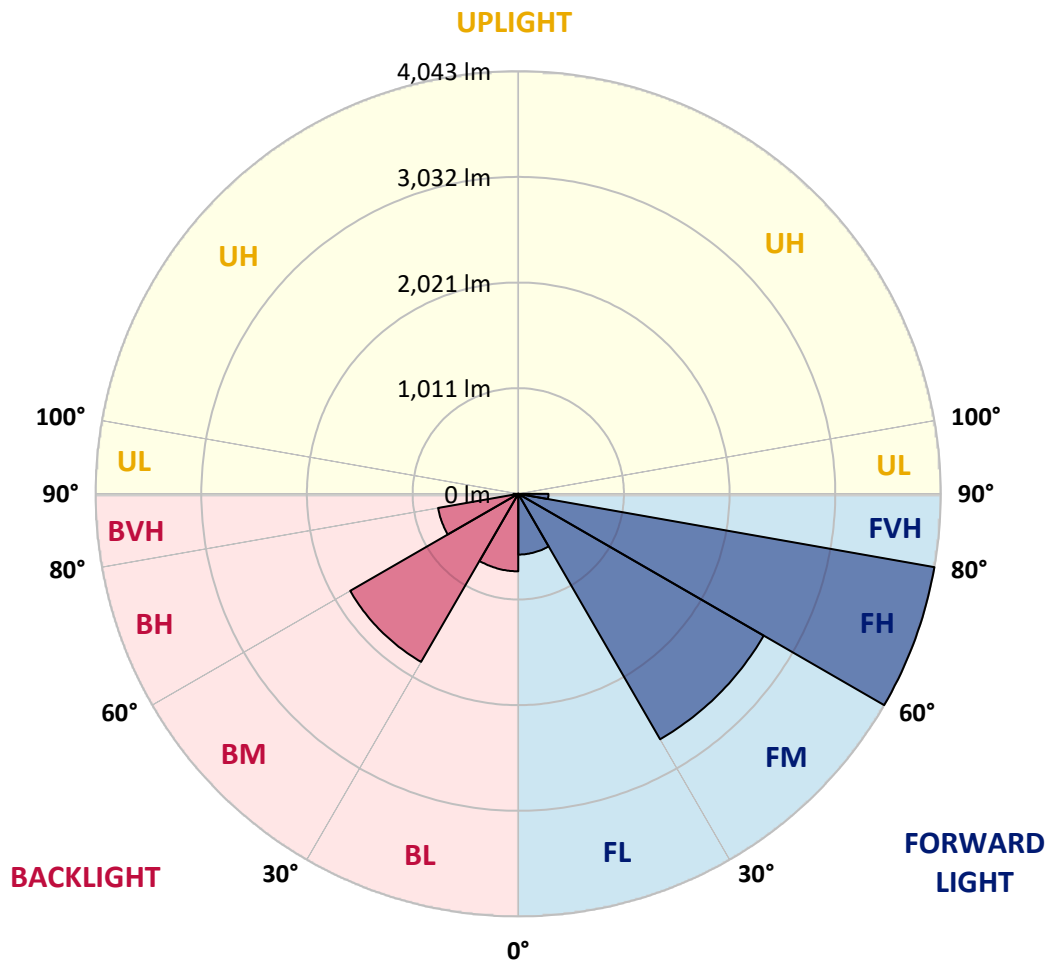


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	581.0	5.3			
FM (30°-60°)	2711.5	24.5			
FH (60°-80°)	4042.7	36.6			G2/5000
FVH (80°-90°)	288.3	2.6			G3/500
BL (0°-30°)	741.3	6.7	B2/1000		
BM (30°-60°)	1856.4	16.8	B2/2500		
BH (60°-80°)	778.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	46.0	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-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1
2.5°	1243.8	1250.8	1249.1	1246.7	1246.7	1247.3	1246.7	1250.8	1254.9	1259.0
5°	1256.7	1263.7	1260.2	1257.3	1254.9	1254.3	1252.6	1252.0	1254.3	1259.6
7.5°	1281.9	1288.9	1283.6	1278.4	1273.7	1271.3	1269.0	1265.5	1263.7	1266.6
10°	1310.0	1317.0	1310.6	1301.2	1293.6	1290.7	1288.3	1284.8	1282.5	1284.2
12.5°	1338.1	1345.1	1336.4	1323.5	1313.5	1311.8	1308.8	1307.7	1307.1	1306.5
15°	1364.5	1370.3	1359.2	1344.0	1333.4	1330.5	1327.6	1329.3	1332.3	1335.8
17.5°	1385.0	1390.8	1374.4	1354.5	1344.6	1343.4	1341.6	1347.5	1355.7	1364.5
20°	1403.7	1409.6	1388.5	1361.6	1349.8	1349.8	1350.4	1362.7	1374.4	1387.3
22.5°	1430.1	1434.8	1409.0	1372.1	1355.1	1356.3	1361.0	1373.3	1387.9	1405.5
25°	1469.3	1472.9	1441.2	1392.0	1372.7	1376.2	1380.3	1386.2	1400.2	1420.7
27.5°	1532.6	1535.6	1494.0	1427.2	1397.9	1403.7	1409.6	1405.5	1411.9	1429.5
30°	1621.7	1623.4	1570.7	1482.2	1440.6	1443.6	1444.7	1427.8	1415.4	1429.5
32.5°	1727.1	1726.5	1663.9	1549.0	1489.3	1486.3	1476.4	1443.0	1414.3	1426.6
35°	1890.6	1884.1	1803.3	1642.8	1544.3	1526.2	1502.7	1460.0	1420.1	1423.7
37.5°	2161.3	2141.3	2029.4	1796.3	1626.4	1580.1	1545.5	1487.5	1433.0	1422.5
40°	2466.5	2441.3	2318.3	2006.6	1749.4	1675.0	1619.3	1526.8	1454.1	1427.8
42.5°	2828.6	2792.8	2660.4	2254.4	1905.2	1797.4	1713.7	1576.6	1485.2	1444.7
45°	3273.2	3225.8	3038.3	2533.9	2101.5	1958.0	1846.1	1652.1	1532.6	1477.6
47.5°	3722.6	3734.3	3467.7	2853.7	2337.0	2156.0	2011.9	1765.8	1601.8	1530.3
50°	4200.1	4208.3	3894.8	3208.2	2604.2	2379.8	2198.2	1892.9	1697.8	1605.3
52.5°	4572.7	4573.8	4282.7	3579.0	2882.5	2625.8	2399.1	2038.2	1809.2	1704.9
55°	4805.9	4802.9	4554.5	3930.0	3202.3	2884.2	2621.7	2203.4	1945.1	1822.0
57.5°	4975.2	4966.4	4742.0	4231.7	3543.3	3189.4	2873.7	2390.9	2105.6	1961.5
60°	5039.6	5034.3	4869.1	4492.4	3901.9	3526.9	3164.3	2600.7	2287.8	2126.1
62.5°	5064.2	5074.2	4993.9	4744.9	4285.6	3900.7	3483.6	2851.4	2492.9	2312.4
65°	5150.9	5169.1	5152.7	5075.3	4719.1	4338.3	3907.1	3149.6	2716.7	2512.2
67.5°	5322.6	5340.7	5347.8	5470.8	5248.8	4883.8	4435.6	3521.0	2978.5	2719.6
70°	5318.5	5313.2	5437.4	5785.4	5912.0	5639.0	5148.0	3978.0	3290.8	2891.8
72.5°	4841.0	4798.8	5092.3	5781.9	6463.8	6427.5	6018.0	4567.4	3560.3	2912.9
75°	3631.8	3519.3	4037.8	5210.7	6555.8	6875.1	6571.1	4933.0	3496.4	2573.7
77.5°	1553.1	1440.1	2051.1	3857.3	5867.4	6426.9	6063.7	4303.8	2791.1	1701.9
80°	406.6	406.0	619.8	1748.8	3990.3	4746.1	4163.7	2779.3	1594.7	608.1
82.5°	168.1	164.0	227.9	680.2	1949.8	2663.3	2173.6	1239.7	575.9	164.6
85°	62.7	62.1	110.7	234.9	687.8	1098.5	795.0	317.0	143.5	80.3
87.5°	17.6	17.0	24.0	81.4	167.6	254.3	135.9	52.1	40.4	31.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847143
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1263.1	0°	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1	1263.1
1265.5	2.5°	1267.2	1270.2	1275.4	1279.5	1284.8	1290.7	1298.9	1304.1	1309.4	1312.9
1268.4	5°	1272.5	1278.9	1292.4	1305.9	1321.7	1336.4	1353.3	1365.7	1375.6	1378.5
1278.9	7.5°	1284.2	1294.8	1317.6	1340.5	1365.7	1389.7	1414.3	1435.4	1452.4	1458.8
1297.7	10°	1304.7	1318.8	1351.0	1383.2	1416.6	1453.5	1485.2	1515.6	1539.7	1549.6
1320.0	12.5°	1330.5	1348.1	1390.3	1434.8	1481.1	1532.0	1573.0	1610.5	1640.4	1653.9
1351.0	15°	1363.9	1386.7	1440.6	1500.4	1568.4	1639.3	1691.4	1733.0	1766.4	1782.8
1383.2	17.5°	1400.2	1430.7	1498.6	1588.9	1686.1	1779.3	1840.2	1870.7	1905.2	1921.1
1413.1	20°	1435.4	1472.9	1570.1	1701.4	1830.8	1929.8	1979.1	1987.3	1989.6	1991.4
1441.2	22.5°	1471.7	1522.1	1659.8	1843.1	1982.0	2050.5	2057.6	2022.4	1973.2	1950.3
1468.8	25°	1511.5	1578.3	1776.9	1999.6	2112.0	2120.2	2066.3	1980.8	1887.7	1844.9
1491.0	27.5°	1550.2	1643.4	1917.5	2149.0	2205.8	2133.7	2017.7	1896.4	1784.0	1738.8
1506.8	30°	1588.9	1717.8	2072.8	2279.6	2248.5	2100.3	1941.0	1805.6	1692.6	1645.1
1520.9	32.5°	1628.1	1804.5	2251.5	2373.9	2240.9	2029.4	1845.5	1703.7	1604.1	1554.3
1533.2	35°	1672.6	1911.1	2420.8	2425.5	2190.0	1925.2	1719.5	1581.8	1495.1	1455.3
1547.9	37.5°	1730.6	2046.4	2570.2	2438.4	2100.9	1772.2	1563.1	1437.7	1366.2	1348.1
1569.5	40°	1802.7	2209.3	2684.4	2417.9	1969.1	1586.5	1392.0	1291.8	1251.4	1255.5
1598.8	42.5°	1896.4	2391.5	2764.7	2365.1	1785.7	1394.9	1242.0	1197.5	1216.8	1233.2
1642.8	45°	2018.3	2580.7	2814.5	2275.5	1578.3	1232.7	1153.6	1164.1	1178.8	1180.5
1713.7	47.5°	2174.1	2772.3	2847.3	2140.2	1366.8	1118.4	1097.3	1099.7	1096.7	1084.4
1819.7	50°	2368.7	2958.6	2876.6	1960.9	1187.0	1046.9	1018.8	1010.6	970.2	930.4
1960.9	52.5°	2590.1	3129.7	2888.9	1738.3	1046.9	987.2	941.5	889.9	814.4	802.0
2138.4	55°	2836.2	3287.9	2857.3	1464.7	929.2	910.4	841.3	779.2	771.0	760.5
2372.2	57.5°	3130.3	3458.4	2792.8	1159.4	808.5	820.8	753.4	760.5	745.8	729.4
2672.7	60°	3451.9	3634.7	2679.7	881.1	683.7	708.9	730.6	730.0	725.9	712.4
2989.7	62.5°	3741.3	3750.7	2457.1	674.9	574.1	622.2	681.4	680.8	677.3	669.6
3320.7	65°	3913.6	3733.1	2085.7	531.4	483.9	550.7	614.6	619.3	619.8	619.3
3569.7	67.5°	3883.1	3527.5	1576.0	423.0	409.5	478.1	548.4	554.8	559.5	560.7
3601.3	70°	3538.6	3075.8	1027.6	337.5	343.3	414.2	485.7	492.1	496.2	500.9
3125.0	72.5°	2758.3	2261.4	588.2	273.0	285.3	359.1	423.6	431.2	433.5	442.3
2174.7	75°	1680.8	1329.9	317.5	215.0	234.3	307.0	362.1	370.9	375.0	385.5
1068.0	77.5°	799.1	575.9	181.0	167.6	188.6	250.8	305.8	315.8	304.6	310.5
294.7	80°	270.1	213.8	114.2	127.7	144.1	195.7	244.9	254.9	231.4	230.2
97.8	82.5°	94.3	86.7	72.6	85.0	93.2	140.0	185.1	198.0	172.2	171.7
43.9	85°	36.9	35.2	40.4	46.3	55.7	86.1	121.9	128.3	106.0	85.5
12.9	87.5°	7.6	8.2	10.0	10.5	17.0	29.9	43.9	53.9	42.8	36.3
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

180°
1263.1
1310.6
1379.7
1459.4
1550.2
1653.9
1781.6
1920.5
1996.0
1956.8
1851.3
1744.1
1650.4
1560.7
1464.1
1361.0
1269.6
1248.5
1192.2
1093.8
935.6
806.2
762.2
726.5
707.7
666.7
619.3
561.8
503.3
445.8
386.7
305.8
227.9
163.5
84.4
33.4
0.0

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