

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: P852339

Luminaire Tested: **GLAN-SB3A-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11014 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

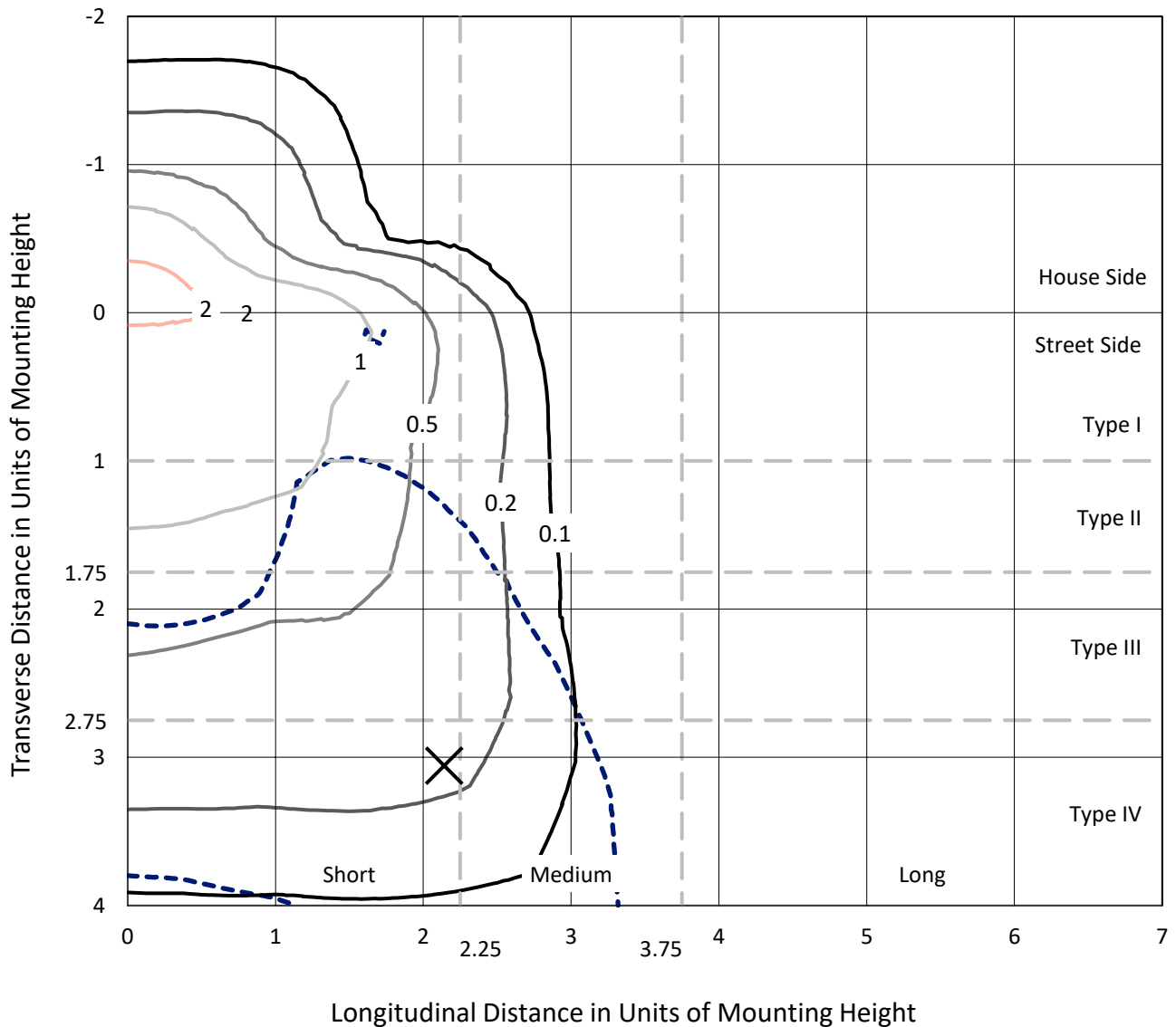
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

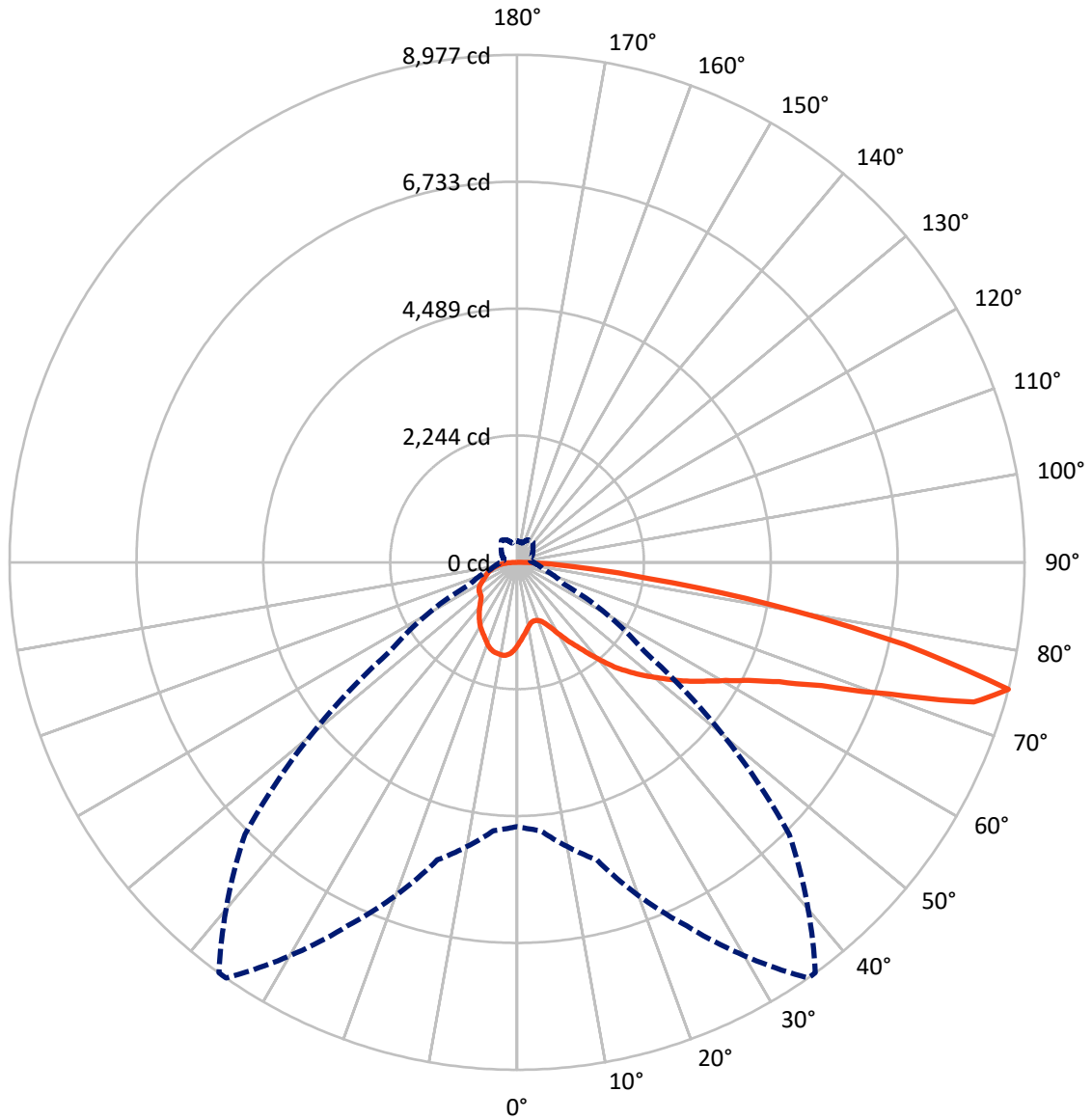
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2621.1	0.0	2621.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8392.9	0.0	8392.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	11014.0	0.0	11014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	1.3
10°-20°	400.8	3.6
20°-30°	673.1	6.1
30°-40°	1046.1	9.5
40°-50°	1552.6	14.1
50°-60°	2143.5	19.5
60°-70°	2600.6	23.6
70°-80°	2149.2	19.5
80°-90°	309.1	2.8
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°	11014.0	100.0
0°-180°	11014.0	100.0

Coefficient of Utilization



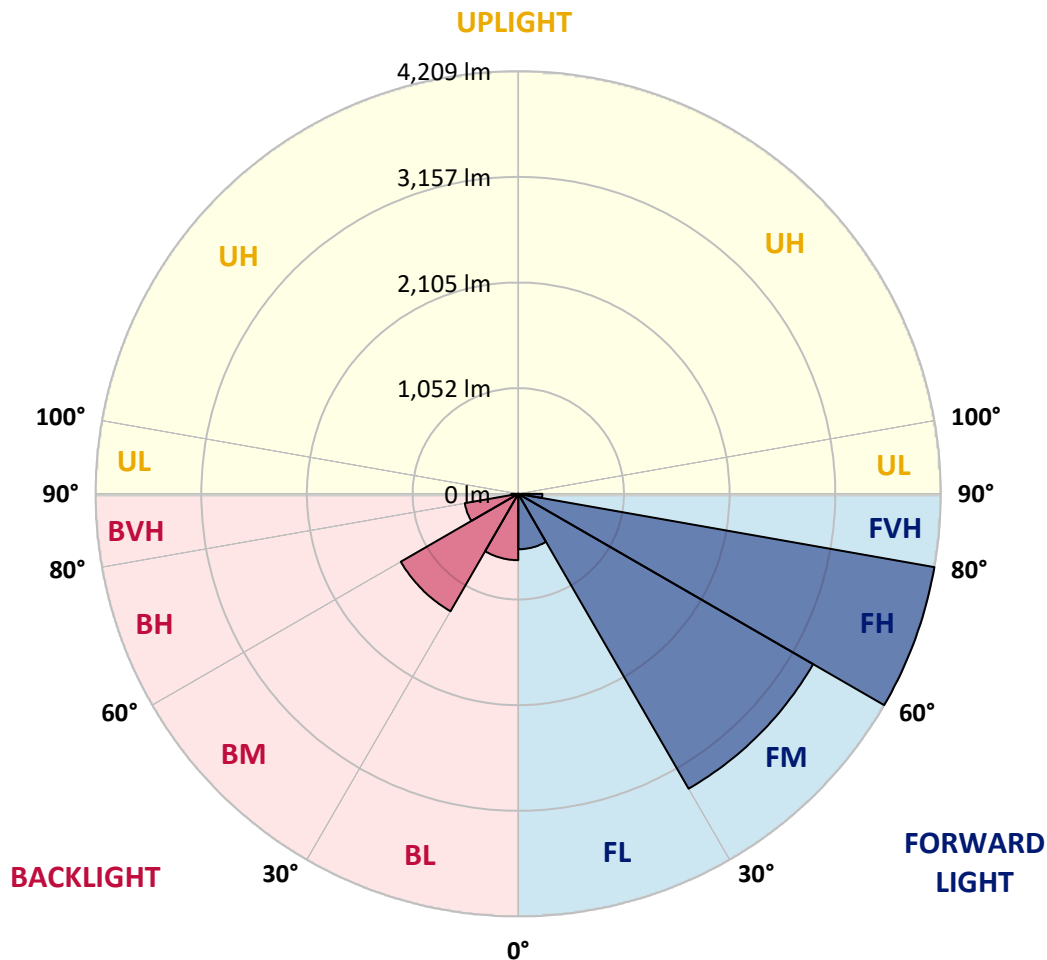
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.3	5.0			
FM (30°-60°)	3391.7	30.8			
FH (60°-80°)	4209.4	38.2			G2/5000
FVH (80°-90°)	239.5	2.2			G3/500
BL (0°-30°)	660.5	6.0	B2/1000		
BM (30°-60°)	1350.5	12.3	B2/2500		
BH (60°-80°)	540.4	4.9	B2/1000		G2/1000
BVH (80°-90°)	69.6	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7
2.5°	1353.4	1361.7	1365.3	1363.5	1372.4	1371.2	1383.7	1399.2	1420.7	1441.5
5°	1249.2	1258.1	1265.8	1273.0	1290.3	1295.6	1315.3	1345.0	1384.3	1424.2
7.5°	1152.1	1159.9	1171.8	1184.9	1214.0	1219.4	1252.2	1298.6	1353.4	1411.7
10°	1072.9	1080.7	1093.2	1108.1	1144.4	1150.9	1192.6	1254.5	1326.0	1399.8
12.5°	1039.0	1041.4	1048.5	1063.4	1095.0	1099.1	1145.0	1215.8	1299.2	1390.9
15°	1037.2	1042.0	1042.6	1050.3	1076.5	1078.3	1120.6	1190.8	1282.5	1389.1
17.5°	1055.1	1058.6	1053.3	1058.0	1080.1	1083.1	1116.4	1178.9	1277.2	1396.8
20°	1102.7	1105.7	1089.6	1083.1	1099.1	1101.5	1134.3	1186.7	1282.5	1412.9
22.5°	1203.9	1205.7	1166.4	1139.6	1140.8	1142.0	1170.6	1218.2	1303.4	1442.1
25°	1361.7	1360.5	1298.0	1246.2	1216.4	1209.9	1228.9	1269.4	1338.5	1480.8
27.5°	1546.3	1537.4	1474.8	1397.4	1332.5	1323.0	1318.8	1336.1	1388.5	1532.0
30°	1754.7	1746.3	1679.1	1577.8	1487.9	1472.5	1433.2	1424.2	1462.9	1601.7
32.5°	1983.3	1978.0	1897.6	1774.9	1654.6	1636.8	1570.7	1546.9	1577.2	1707.0
35°	2175.0	2170.3	2103.6	1977.4	1830.3	1808.3	1741.0	1714.2	1729.7	1842.2
37.5°	2348.3	2345.9	2288.8	2189.3	2037.5	2010.7	1935.1	1926.2	1923.2	2020.2
40°	2509.1	2503.1	2443.6	2391.2	2278.6	2254.2	2187.5	2179.8	2157.2	2239.3
42.5°	2687.1	2671.6	2585.3	2560.9	2530.5	2510.3	2470.4	2471.6	2421.5	2486.4
45°	2832.4	2823.4	2734.7	2720.4	2753.2	2744.8	2779.4	2788.3	2691.3	2745.4
47.5°	2988.4	2980.0	2905.0	2894.9	2983.6	2986.0	3108.0	3111.0	2954.4	3014.6
50°	3180.7	3168.8	3094.4	3106.9	3206.3	3215.2	3438.5	3418.3	3196.8	3287.9
52.5°	3307.5	3314.7	3298.6	3318.8	3454.6	3462.9	3763.6	3711.8	3436.7	3557.6
55°	3401.0	3415.3	3465.3	3511.7	3716.6	3724.9	4070.2	3991.0	3635.6	3807.7
57.5°	3521.3	3501.0	3594.5	3685.0	3965.4	3987.5	4368.5	4260.2	3811.8	4023.2
60°	3693.9	3679.6	3752.3	3886.3	4244.1	4279.2	4684.1	4502.5	3941.0	4194.1
62.5°	4044.0	4008.3	4019.6	4138.1	4595.4	4641.8	5040.2	4713.9	4005.3	4260.8
65°	4567.4	4506.1	4448.9	4531.1	5090.2	5136.0	5442.1	4880.0	3981.5	4131.6
67.5°	5226.5	5165.8	5095.5	5172.9	5819.0	5855.3	5938.0	4973.5	3794.0	3633.8
70°	5770.1	5747.5	5831.5	6150.0	6983.0	6984.2	6573.9	4896.1	3280.1	2576.3
72.5°	5698.1	5684.4	6126.8	7111.6	8450.1	8418.5	7175.9	4310.2	2209.6	1162.2
75°	4674.6	4763.3	5448.6	7094.3	8977.0	8972.9	6807.3	2740.1	914.0	481.7
77.5°	2506.7	2647.2	3537.3	5237.8	7008.0	7113.4	4785.9	958.6	392.4	308.4
80°	817.5	940.2	1409.9	2666.8	4553.7	4534.1	2051.2	376.3	268.5	218.5
82.5°	347.1	361.4	629.9	1259.3	2337.0	2300.7	653.2	216.1	188.7	149.4
85°	135.8	151.8	278.1	582.3	1012.2	990.2	235.8	107.2	120.9	97.6
87.5°	44.7	54.2	99.4	199.5	315.0	303.7	57.8	36.9	52.4	44.7
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°
1467.7	0°	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7	1467.7
1471.9	2.5°	1480.2	1489.7	1501.0	1517.7	1532.0	1543.9	1556.4	1564.1	1567.1	1576.1
1474.2	5°	1490.9	1511.8	1539.7	1567.1	1593.9	1610.0	1624.3	1631.4	1638.0	1642.7
1480.8	7.5°	1508.8	1535.6	1579.6	1615.4	1638.0	1651.1	1660.6	1658.2	1660.6	1661.8
1487.9	10°	1524.3	1561.8	1614.2	1648.1	1665.4	1666.0	1663.6	1655.2	1651.1	1651.7
1498.7	12.5°	1542.7	1584.4	1641.0	1669.5	1674.3	1661.2	1651.1	1636.8	1631.4	1629.0
1514.7	15°	1567.7	1615.4	1670.1	1680.8	1668.9	1652.3	1635.0	1611.8	1599.9	1590.3
1542.1	17.5°	1598.1	1650.5	1692.8	1685.0	1659.4	1632.0	1604.0	1568.9	1544.5	1534.4
1579.6	20°	1640.4	1687.4	1710.0	1676.1	1637.4	1595.7	1548.1	1505.2	1482.6	1472.5
1627.3	22.5°	1691.6	1736.8	1726.7	1660.6	1605.8	1539.1	1479.6	1448.0	1436.7	1429.6
1688.6	25°	1752.9	1791.6	1738.6	1638.0	1554.0	1464.1	1418.3	1408.1	1402.8	1397.4
1763.6	27.5°	1832.7	1853.5	1747.5	1604.6	1473.0	1384.3	1367.7	1369.4	1367.7	1358.7
1867.8	30°	1938.1	1933.9	1755.9	1550.5	1380.2	1312.3	1313.5	1321.2	1322.4	1316.5
2013.1	32.5°	2076.8	2034.5	1760.0	1480.2	1291.4	1249.2	1250.4	1258.7	1264.7	1254.5
2203.0	35°	2244.7	2151.8	1753.5	1392.1	1223.0	1189.0	1180.1	1182.5	1184.3	1174.7
2433.4	37.5°	2440.6	2283.4	1724.3	1294.4	1166.4	1130.1	1111.0	1095.0	1085.4	1076.5
2694.2	40°	2655.5	2426.9	1670.7	1199.2	1103.3	1067.6	1039.0	1008.6	976.5	964.6
2970.5	42.5°	2880.6	2574.6	1605.8	1108.1	1030.7	1001.5	971.1	927.1	878.8	854.4
3257.5	45°	3114.0	2725.8	1542.1	1018.2	956.2	943.7	908.6	855.6	803.2	772.2
3545.1	47.5°	3342.6	2868.7	1448.6	927.7	886.6	900.3	872.9	824.0	765.7	716.9
3830.3	50°	3561.2	3002.7	1295.6	836.0	830.0	887.2	861.0	790.7	724.0	661.5
4110.1	52.5°	3777.9	3111.0	1099.7	752.6	799.6	883.6	845.5	768.1	686.5	621.0
4373.3	55°	3961.9	3167.0	911.0	681.2	755.6	853.2	827.0	741.3	633.5	563.9
4553.7	57.5°	4066.7	3121.7	753.8	610.9	694.8	803.2	795.5	684.1	570.4	516.8
4588.8	60°	4021.4	2938.4	625.2	549.6	637.1	749.0	740.7	627.6	522.2	471.6
4400.7	62.5°	3771.9	2588.9	523.4	496.0	584.7	693.7	685.9	584.1	485.3	436.4
3901.1	65°	3269.4	2106.0	444.2	451.3	531.7	627.0	638.3	547.8	456.1	408.5
3018.1	67.5°	2493.6	1525.4	382.3	412.6	479.9	561.5	594.2	521.6	431.7	386.4
1746.3	70°	1421.2	866.3	329.9	375.1	434.1	500.7	560.3	500.7	405.5	368.0
654.4	72.5°	538.8	397.7	285.2	337.6	390.0	449.5	522.8	468.0	375.1	347.1
338.2	75°	287.6	242.3	240.0	293.5	339.4	399.5	475.7	435.8	352.5	366.8
234.0	77.5°	195.9	171.5	200.7	251.3	284.0	344.1	425.7	387.0	305.4	304.3
162.0	80°	135.8	121.5	163.1	202.4	219.7	289.4	371.5	332.2	248.9	232.2
100.0	82.5°	81.6	79.2	122.1	151.2	155.4	223.3	307.8	278.7	203.6	177.4
59.5	85°	44.7	47.0	78.0	88.7	90.5	156.0	241.1	215.5	156.6	131.6
21.4	87.5°	12.5	16.1	28.6	35.1	43.5	81.0	143.5	128.0	78.6	54.8
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>
1467.7
1575.5
1643.9
1663.6
1652.9
1627.9
1593.3
1535.0
1471.3
1430.8
1397.4
1360.5
1319.4
1259.3
1181.3
1082.5
969.9
857.4
769.9
711.5
656.1
613.9
557.9
509.7
464.4
428.7
400.7
379.3
363.2
342.4
378.7
280.4
222.1
178.6
132.8
54.8
0.0

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