

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: P852225

Luminaire Tested: **GLAN-SB2B-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852225
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-SB2B-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10922 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

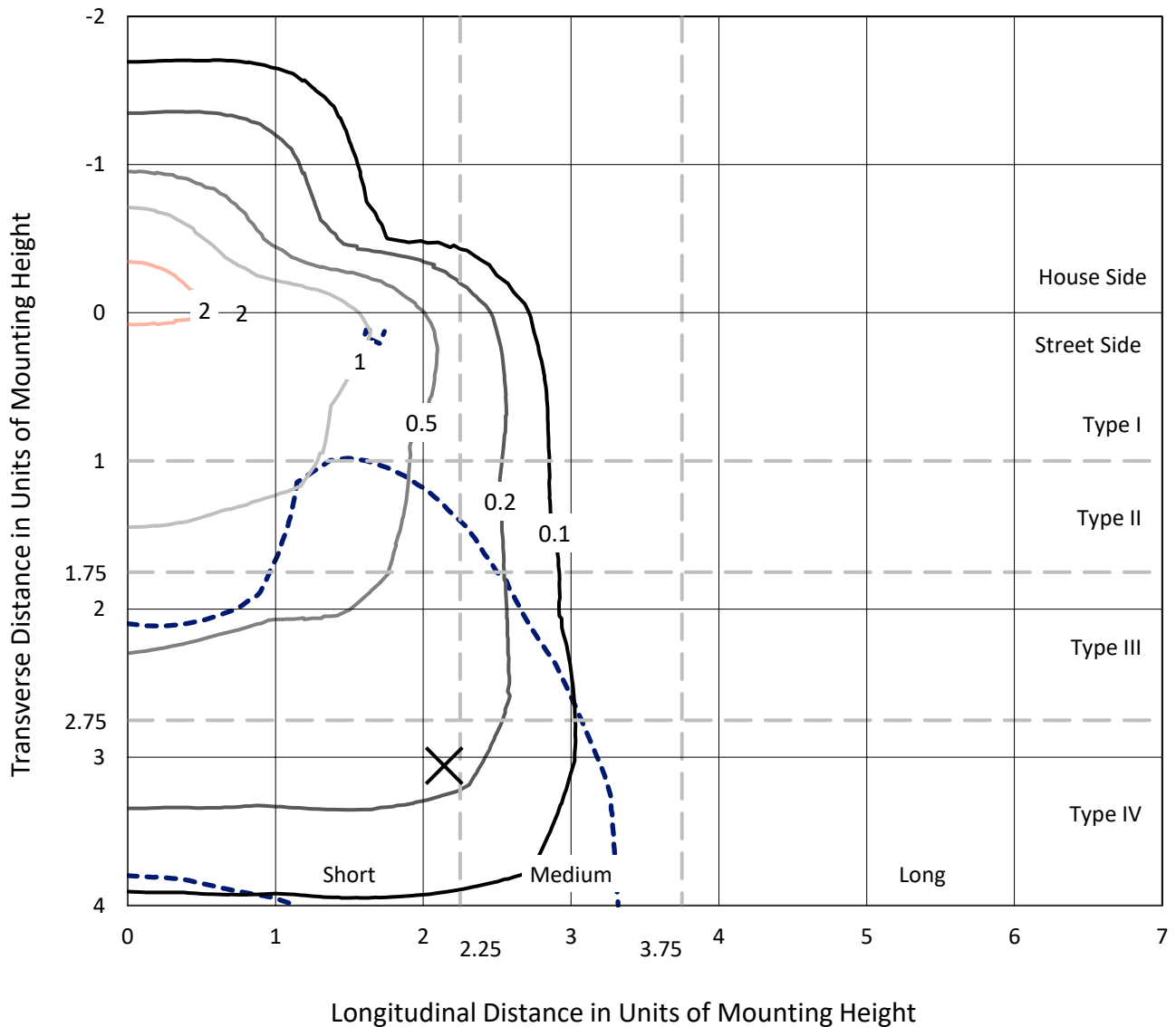
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

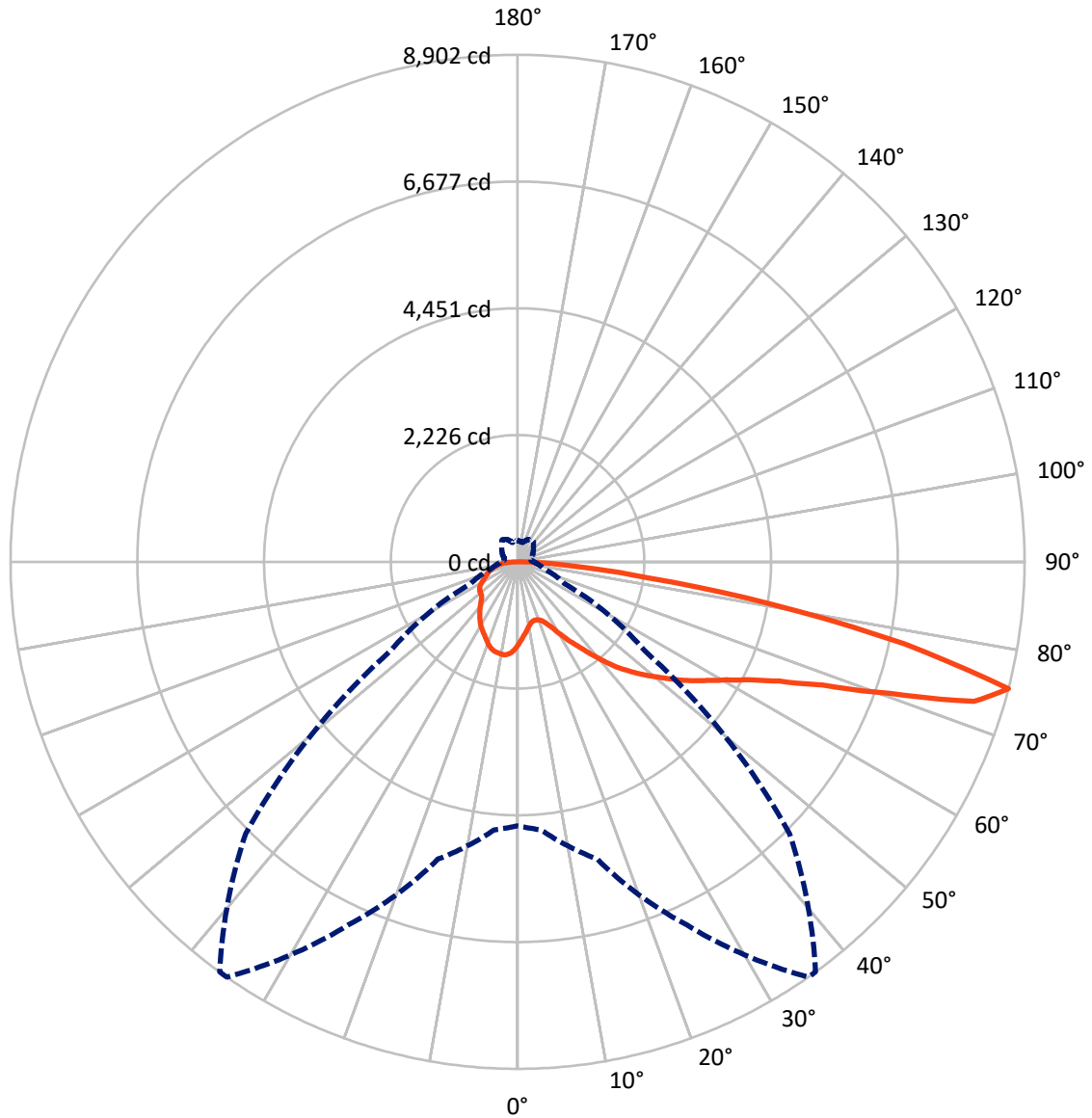
× Max cd
 - - - 1/2 Max cd



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	2599.2	0.0	2599.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8322.8	0.0	8322.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	10922.0	0.0	10922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.8	1.3
10°-20°	397.5	3.6
20°-30°	667.5	6.1
30°-40°	1037.3	9.5
40°-50°	1539.7	14.1
50°-60°	2125.6	19.5
60°-70°	2578.9	23.6
70°-80°	2131.2	19.5
80°-90°	306.5	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°	10922.0	100.0
0°-180°	10922.0	100.0

Coefficient of Utilization

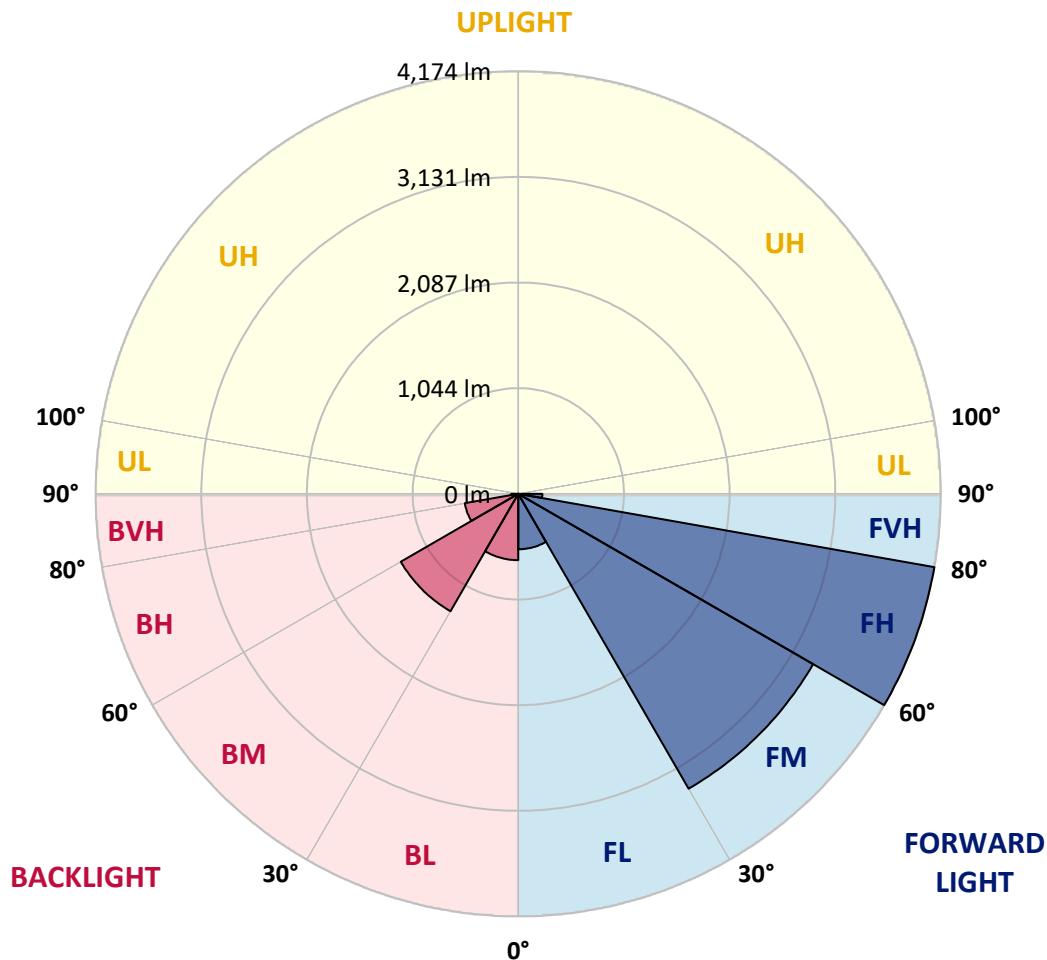


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.7	5.0			
FM (30°-60°)	3363.4	30.8			
FH (60°-80°)	4174.2	38.2			G2/5000
FVH (80°-90°)	237.5	2.2			G3/500
BL (0°-30°)	655.0	6.0	B2/1000		
BM (30°-60°)	1339.2	12.3	B2/2500		
BH (60°-80°)	535.9	4.9	B2/1000		G2/1000
BVH (80°-90°)	69.0	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°	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4
2.5°	1342.1	1350.3	1353.9	1352.1	1361.0	1359.8	1372.2	1387.5	1408.8	1429.5
5°	1238.7	1247.6	1255.3	1262.4	1279.5	1284.8	1304.3	1333.8	1372.8	1412.3
7.5°	1142.5	1150.2	1162.0	1175.0	1203.9	1209.2	1241.7	1287.7	1342.1	1399.9
10°	1064.0	1071.6	1084.0	1098.8	1134.8	1141.3	1182.6	1244.1	1314.9	1388.1
12.5°	1030.3	1032.7	1039.8	1054.5	1085.8	1089.9	1135.4	1205.7	1288.3	1379.3
15°	1028.5	1033.3	1033.9	1041.5	1067.5	1069.3	1111.2	1180.9	1271.8	1377.5
17.5°	1046.3	1049.8	1044.5	1049.2	1071.1	1074.0	1107.1	1169.1	1266.5	1385.2
20°	1093.5	1096.4	1080.5	1074.0	1089.9	1092.3	1124.8	1176.7	1271.8	1401.1
22.5°	1193.9	1195.6	1156.7	1130.1	1131.3	1132.5	1160.8	1208.0	1292.5	1430.0
25°	1350.3	1349.2	1287.2	1235.8	1206.3	1199.8	1218.7	1258.8	1327.3	1468.4
27.5°	1533.4	1524.5	1462.5	1385.8	1321.4	1312.0	1307.8	1324.9	1376.9	1519.2
30°	1740.0	1731.8	1665.0	1564.7	1475.5	1460.2	1421.2	1412.3	1450.7	1588.3
32.5°	1966.7	1961.4	1881.7	1760.1	1640.8	1623.1	1557.6	1534.0	1564.1	1692.8
35°	2156.9	2152.1	2086.0	1960.8	1815.0	1793.2	1726.4	1699.9	1715.2	1826.8
37.5°	2328.7	2326.3	2269.6	2171.0	2020.5	1993.9	1918.9	1910.1	1907.1	2003.4
40°	2488.1	2482.2	2423.2	2371.2	2259.6	2235.4	2169.3	2161.6	2139.2	2220.6
42.5°	2664.6	2649.3	2563.7	2539.5	2509.4	2489.3	2449.7	2450.9	2401.3	2465.7
45°	2808.7	2799.9	2711.9	2697.7	2730.2	2721.9	2756.2	2765.0	2668.8	2722.5
47.5°	2963.4	2955.1	2880.7	2870.7	2958.7	2961.0	3082.1	3085.0	2929.8	2989.4
50°	3154.1	3142.3	3068.5	3080.9	3179.5	3188.4	3409.8	3389.7	3170.1	3260.4
52.5°	3279.9	3287.0	3271.0	3291.1	3425.7	3434.0	3732.2	3680.8	3408.0	3527.9
55°	3372.6	3386.8	3436.4	3482.4	3685.5	3693.8	4036.2	3957.7	3605.2	3775.9
57.5°	3491.9	3471.8	3564.5	3654.2	3932.3	3954.2	4332.0	4224.6	3780.0	3989.6
60°	3663.1	3648.9	3720.9	3853.8	4208.6	4243.5	4645.0	4464.9	3908.1	4159.0
62.5°	4010.3	3974.8	3986.0	4103.5	4557.0	4603.1	4998.1	4674.5	3971.9	4225.2
65°	4529.3	4468.4	4411.8	4493.2	5047.7	5093.1	5396.6	4839.2	3948.3	4097.1
67.5°	5182.9	5122.6	5053.0	5129.7	5770.4	5806.4	5888.4	4931.9	3762.3	3603.4
70°	5721.9	5699.5	5782.8	6098.6	6924.7	6925.8	6519.0	4855.2	3252.7	2554.8
72.5°	5650.5	5636.9	6075.6	7052.2	8379.5	8348.2	7116.0	4274.2	2191.1	1152.5
75°	4635.5	4723.5	5403.1	7035.1	8902.0	8897.9	6750.5	2717.2	906.3	477.7
77.5°	2485.7	2625.1	3507.8	5194.1	6949.5	7054.0	4745.9	950.6	389.1	305.8
80°	810.7	932.3	1398.2	2644.6	4515.7	4496.2	2034.1	373.2	266.3	216.7
82.5°	344.2	358.4	624.7	1248.8	2317.5	2281.5	647.7	214.3	187.2	148.2
85°	134.6	150.6	275.7	577.4	1003.7	981.9	233.8	106.3	119.9	96.8
87.5°	44.3	53.7	98.6	197.8	312.3	301.1	57.3	36.6	52.0	44.3
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°
1455.4	0°	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4	1455.4
1459.6	2.5°	1467.8	1477.3	1488.5	1505.0	1519.2	1531.0	1543.4	1551.1	1554.0	1562.9
1461.9	5°	1478.5	1499.1	1526.9	1554.0	1580.6	1596.5	1610.7	1617.8	1624.3	1629.0
1468.4	7.5°	1496.2	1522.7	1566.4	1601.9	1624.3	1637.3	1646.7	1644.4	1646.7	1647.9
1475.5	10°	1511.5	1548.7	1600.7	1634.3	1651.5	1652.0	1649.7	1641.4	1637.3	1637.9
1486.1	12.5°	1529.8	1571.2	1627.2	1655.6	1660.3	1647.3	1637.3	1623.1	1617.8	1615.4
1502.1	15°	1554.6	1601.9	1656.2	1666.8	1655.0	1638.5	1621.3	1598.3	1586.5	1577.1
1529.2	17.5°	1584.7	1636.7	1678.6	1670.9	1645.6	1618.4	1590.6	1555.8	1531.6	1521.6
1566.4	20°	1626.7	1673.3	1695.7	1662.1	1623.7	1582.4	1535.1	1492.6	1470.2	1460.2
1613.7	22.5°	1677.4	1722.3	1712.3	1646.7	1592.4	1526.3	1467.2	1435.9	1424.7	1417.6
1674.5	25°	1738.3	1776.6	1724.1	1624.3	1541.0	1451.9	1406.4	1396.4	1391.1	1385.8
1748.9	27.5°	1817.4	1838.0	1732.9	1591.2	1460.7	1372.8	1356.2	1358.0	1356.2	1347.4
1852.2	30°	1921.9	1917.7	1741.2	1537.5	1368.6	1301.3	1302.5	1310.2	1311.4	1305.5
1996.3	32.5°	2059.4	2017.5	1745.3	1467.8	1280.7	1238.7	1239.9	1248.2	1254.1	1244.1
2184.6	35°	2226.0	2133.8	1738.8	1380.4	1212.8	1179.1	1170.2	1172.6	1174.4	1164.9
2413.1	37.5°	2420.2	2264.3	1709.9	1283.6	1156.7	1120.7	1101.8	1085.8	1076.4	1067.5
2671.7	40°	2633.4	2406.6	1656.8	1189.1	1094.1	1058.7	1030.3	1000.2	968.3	956.5
2945.7	42.5°	2856.5	2553.1	1592.4	1098.8	1022.0	993.1	963.0	919.3	871.5	847.3
3230.3	45°	3088.0	2703.0	1529.2	1009.6	948.2	935.8	901.0	848.5	796.5	765.8
3515.5	47.5°	3314.7	2844.7	1436.5	919.9	879.2	892.7	865.6	817.2	759.3	710.9
3798.3	50°	3531.4	2977.6	1284.8	829.0	823.1	879.8	853.8	784.1	718.0	656.0
4075.8	52.5°	3746.3	3085.0	1090.5	746.3	793.0	876.2	838.4	761.7	680.8	615.8
4336.8	55°	3928.8	3140.5	903.4	675.5	749.3	846.1	820.1	735.1	628.2	559.1
4515.7	57.5°	4032.7	3095.7	747.5	605.8	689.0	796.5	788.8	678.4	565.6	512.5
4550.5	60°	3987.8	2913.8	620.0	545.0	631.8	742.8	734.5	622.3	517.8	467.6
4363.9	62.5°	3740.4	2567.2	519.0	491.8	579.8	687.9	680.2	579.2	481.2	432.8
3868.6	65°	3242.1	2088.4	440.5	447.6	527.3	621.7	632.9	543.2	452.3	405.0
2992.9	67.5°	2472.8	1512.7	379.1	409.2	475.9	556.8	589.3	517.2	428.1	383.2
1731.8	70°	1409.4	859.1	327.1	372.0	430.4	496.6	555.6	496.6	402.1	364.9
648.9	72.5°	534.3	394.4	282.8	334.8	386.7	445.8	518.4	464.1	372.0	344.2
335.4	75°	285.2	240.3	237.9	291.1	336.5	396.2	471.8	432.2	349.5	363.7
232.0	77.5°	194.3	170.0	199.0	249.2	281.6	341.3	422.2	383.8	302.9	301.7
160.6	80°	134.6	120.4	161.8	200.7	217.9	287.0	368.4	329.5	246.8	230.3
99.2	82.5°	80.9	78.5	121.0	150.0	154.1	221.4	305.3	276.3	201.9	176.0
59.0	85°	44.3	46.6	77.3	88.0	89.7	154.7	239.1	213.7	155.3	130.5
21.3	87.5°	12.4	15.9	28.3	34.8	43.1	80.3	142.3	126.9	77.9	54.3
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°
1455.4
1562.3
1630.2
1649.7
1639.1
1614.3
1580.0
1522.1
1459.0
1418.8
1385.8
1349.2
1308.4
1248.8
1171.4
1073.4
961.8
850.2
763.4
705.6
650.7
608.7
553.2
505.4
460.5
425.1
397.4
376.1
360.2
339.5
375.5
278.1
220.2
177.1
131.7
54.3
0.0

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