

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: P852335

Luminaire Tested: **GLAN-SB3A-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852335
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-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10606 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

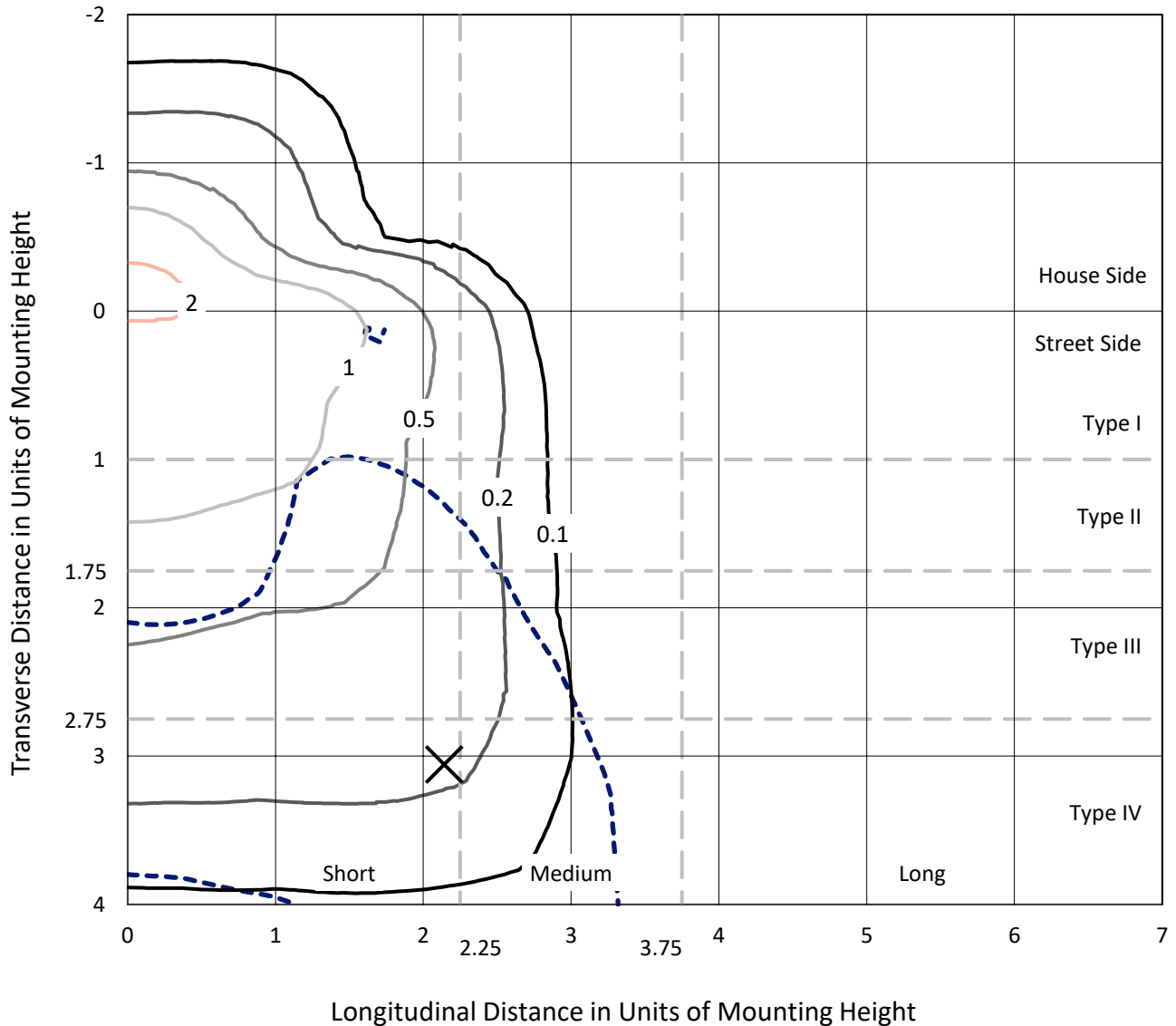
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

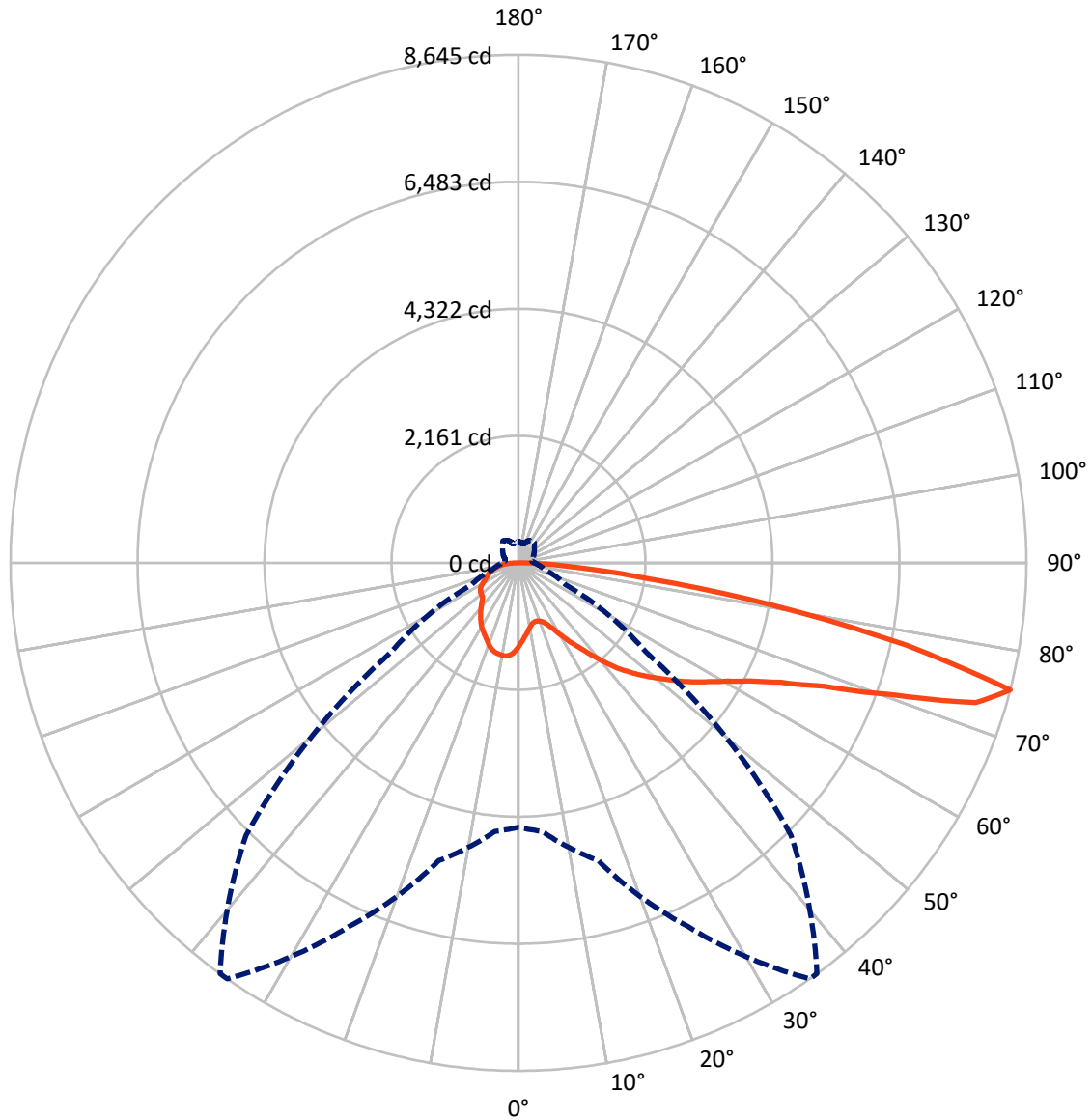
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	2524.0	0.0	2524.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8082.0	0.0	8082.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	10606.0	0.0	10606.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	1.3
10°-20°	386.0	3.6
20°-30°	648.2	6.1
30°-40°	1007.3	9.5
40°-50°	1495.1	14.1
50°-60°	2064.1	19.5
60°-70°	2504.2	23.6
70°-80°	2069.6	19.5
80°-90°	297.7	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°	10606.0	100.0
0°-180°	10606.0	100.0

Coefficient of Utilization



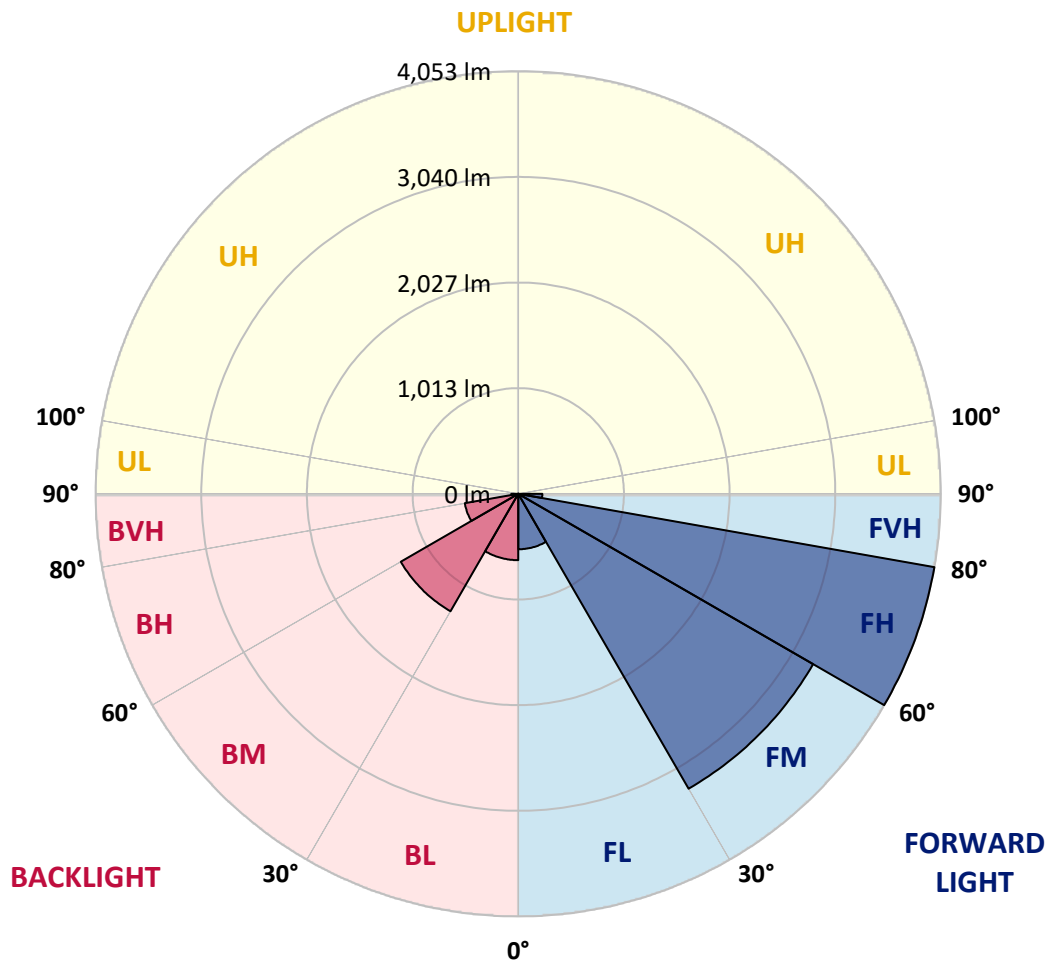
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.9	5.0			
FM (30°-60°)	3266.1	30.8			
FH (60°-80°)	4053.5	38.2			G2/5000
FVH (80°-90°)	230.6	2.2			G3/500
BL (0°-30°)	636.1	6.0	B2/1000		
BM (30°-60°)	1300.5	12.3	B2/2500		
BH (60°-80°)	520.4	4.9	B2/1000		G2/1000
BVH (80°-90°)	67.0	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°	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3
2.5°	1303.2	1311.3	1314.7	1313.0	1321.6	1320.4	1332.5	1347.4	1368.0	1388.1
5°	1202.9	1211.5	1219.0	1225.8	1242.5	1247.6	1266.5	1295.2	1333.1	1371.5
7.5°	1109.4	1116.9	1128.4	1141.0	1169.1	1174.2	1205.8	1250.5	1303.2	1359.4
10°	1033.2	1040.6	1052.7	1067.0	1102.0	1108.3	1148.4	1208.1	1276.9	1348.0
12.5°	1000.5	1002.8	1009.7	1024.0	1054.4	1058.4	1102.6	1170.8	1251.1	1339.4
15°	998.8	1003.4	1003.9	1011.4	1036.6	1038.3	1079.1	1146.7	1235.0	1337.6
17.5°	1016.0	1019.4	1014.3	1018.9	1040.1	1042.9	1075.0	1135.2	1229.8	1345.1
20°	1061.9	1064.7	1049.2	1042.9	1058.4	1060.7	1092.2	1142.7	1235.0	1360.6
22.5°	1159.3	1161.0	1123.2	1097.4	1098.5	1099.7	1127.2	1173.1	1255.1	1388.7
25°	1311.3	1310.1	1249.9	1200.0	1171.4	1165.1	1183.4	1222.4	1288.9	1425.9
27.5°	1489.0	1480.4	1420.2	1345.7	1283.2	1274.0	1270.0	1286.6	1337.1	1475.2
30°	1689.7	1681.7	1616.9	1519.4	1432.8	1417.9	1380.1	1371.5	1408.7	1542.3
32.5°	1909.8	1904.7	1827.3	1709.2	1593.4	1576.2	1512.5	1489.6	1518.8	1643.8
35°	2094.5	2089.9	2025.7	1904.1	1762.5	1741.3	1676.5	1650.7	1665.6	1774.0
37.5°	2261.3	2259.0	2204.0	2108.2	1962.0	1936.2	1863.4	1854.8	1851.9	1945.4
40°	2416.1	2410.4	2353.1	2302.6	2194.2	2170.7	2106.5	2099.1	2077.3	2156.4
42.5°	2587.6	2572.6	2489.5	2466.0	2436.8	2417.3	2378.9	2380.0	2331.8	2394.3
45°	2727.5	2718.9	2633.4	2619.7	2651.2	2643.2	2676.4	2685.0	2591.6	2643.7
47.5°	2877.7	2869.6	2797.4	2787.7	2873.1	2875.4	2992.9	2995.8	2845.0	2902.9
50°	3062.9	3051.4	2979.7	2991.8	3087.5	3096.1	3311.1	3291.6	3078.3	3166.1
52.5°	3185.0	3191.9	3176.4	3195.9	3326.6	3334.6	3624.2	3574.3	3309.4	3425.8
55°	3275.0	3288.8	3336.9	3381.7	3578.9	3586.9	3919.5	3843.2	3500.9	3666.6
57.5°	3390.8	3371.3	3461.3	3548.5	3818.5	3839.8	4206.7	4102.4	3670.6	3874.2
60°	3557.1	3543.3	3613.3	3742.3	4086.9	4120.7	4510.6	4335.7	3795.0	4038.7
62.5°	3894.2	3859.8	3870.7	3984.8	4425.2	4469.9	4853.5	4539.3	3857.0	4102.9
65°	4398.2	4339.2	4284.1	4363.2	4901.6	4945.8	5240.5	4699.2	3834.0	3978.5
67.5°	5032.9	4974.4	4906.8	4981.3	5603.4	5638.4	5718.1	4789.2	3653.4	3499.2
70°	5556.4	5534.6	5615.4	5922.2	6724.3	6725.5	6330.4	4714.7	3158.6	2480.9
72.5°	5487.0	5473.8	5899.8	6848.2	8137.1	8106.7	6910.1	4150.5	2127.7	1119.2
75°	4501.4	4586.8	5246.8	6831.5	8644.5	8640.5	6555.2	2638.6	880.1	463.8
77.5°	2413.8	2549.1	3406.3	5043.8	6748.4	6849.9	4608.6	923.1	377.8	297.0
80°	787.2	905.3	1357.7	2568.1	4385.0	4366.1	1975.2	362.4	258.6	210.4
82.5°	334.3	348.0	606.6	1212.6	2250.4	2215.4	629.0	208.1	181.8	143.9
85°	130.7	146.2	267.8	560.7	974.7	953.5	227.0	103.2	116.4	94.0
87.5°	43.0	52.2	95.8	192.1	303.3	292.4	55.6	35.5	50.5	43.0
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°
1413.3	0°	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3	1413.3
1417.3	2.5°	1425.4	1434.5	1445.4	1461.5	1475.2	1486.7	1498.8	1506.2	1509.1	1517.7
1419.6	5°	1435.7	1455.7	1482.7	1509.1	1534.9	1550.4	1564.1	1571.0	1577.3	1581.9
1425.9	7.5°	1452.9	1478.7	1521.1	1555.5	1577.3	1589.9	1599.1	1596.8	1599.1	1600.2
1432.8	10°	1467.8	1503.9	1554.4	1587.0	1603.7	1604.2	1602.0	1593.9	1589.9	1590.5
1443.1	12.5°	1485.6	1525.7	1580.2	1607.7	1612.3	1599.7	1589.9	1576.2	1571.0	1568.7
1458.6	15°	1509.6	1555.5	1608.3	1618.6	1607.1	1591.1	1574.4	1552.1	1540.6	1531.4
1485.0	17.5°	1538.9	1589.3	1630.0	1622.6	1597.9	1571.6	1544.6	1510.8	1487.3	1477.5
1521.1	20°	1579.6	1624.9	1646.7	1614.0	1576.7	1536.6	1490.7	1449.4	1427.7	1417.9
1567.0	22.5°	1628.9	1672.5	1662.7	1599.1	1546.3	1482.1	1424.8	1394.4	1383.5	1376.6
1626.0	25°	1688.0	1725.2	1674.2	1577.3	1496.5	1409.9	1365.7	1356.0	1350.8	1345.7
1698.3	27.5°	1764.8	1784.9	1682.8	1545.2	1418.5	1333.1	1317.0	1318.7	1317.0	1308.4
1798.6	30°	1866.3	1862.3	1690.8	1493.0	1329.0	1263.7	1264.8	1272.3	1273.4	1267.7
1938.5	32.5°	1999.9	1959.2	1694.8	1425.4	1243.6	1202.9	1204.0	1212.1	1217.8	1208.1
2121.4	35°	2161.6	2072.1	1688.5	1340.5	1177.7	1145.0	1136.4	1138.7	1140.4	1131.2
2343.3	37.5°	2350.2	2198.8	1660.4	1246.5	1123.2	1088.2	1069.9	1054.4	1045.2	1036.6
2594.4	40°	2557.2	2337.0	1608.8	1154.7	1062.4	1028.0	1000.5	971.3	940.3	928.8
2860.5	42.5°	2773.9	2479.2	1546.3	1067.0	992.5	964.4	935.1	892.7	846.3	822.8
3136.8	45°	2998.6	2624.8	1485.0	980.4	920.8	908.8	874.9	823.9	773.5	743.6
3413.8	47.5°	3218.8	2762.4	1395.0	893.3	853.7	866.9	840.5	793.5	737.3	690.3
3688.4	50°	3429.2	2891.4	1247.6	805.0	799.3	854.3	829.1	761.4	697.2	637.0
3957.9	52.5°	3637.9	2995.8	1059.0	724.7	770.0	850.9	814.2	739.6	661.1	598.0
4211.3	55°	3815.1	3049.7	877.2	655.9	727.6	821.6	796.4	713.8	610.1	543.0
4385.0	57.5°	3916.0	3006.1	725.9	588.3	669.1	773.5	766.0	658.8	549.3	497.7
4418.9	60°	3872.4	2829.5	602.0	529.2	613.5	721.3	713.3	604.3	502.8	454.1
4237.7	62.5°	3632.2	2492.9	504.0	477.6	563.0	668.0	660.5	562.5	467.3	420.3
3756.6	65°	3148.3	2028.0	427.7	434.6	512.0	603.7	614.6	527.5	439.2	393.3
2906.3	67.5°	2401.2	1468.9	368.1	397.3	462.1	540.7	572.2	502.3	415.7	372.1
1681.7	70°	1368.6	834.2	317.6	361.2	418.0	482.2	539.5	482.2	390.5	354.3
630.1	72.5°	518.9	383.0	274.6	325.1	375.5	432.9	503.4	450.7	361.2	334.3
325.7	75°	276.9	233.4	231.1	282.7	326.8	384.7	458.1	419.7	339.4	353.2
225.3	77.5°	188.6	165.1	193.2	242.0	273.5	331.4	409.9	372.7	294.1	293.0
156.0	80°	130.7	117.0	157.1	194.9	211.6	278.7	357.8	319.9	239.7	223.6
96.3	82.5°	78.5	76.3	117.5	145.6	149.6	215.0	296.4	268.3	196.1	170.9
57.3	85°	43.0	45.3	75.1	85.4	87.2	150.2	232.2	207.6	150.8	126.7
20.6	87.5°	12.0	15.5	27.5	33.8	41.9	78.0	138.2	123.3	75.7	52.7
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°
1413.3
1517.1
1583.0
1602.0
1591.6
1567.6
1534.3
1478.1
1416.8
1377.8
1345.7
1310.1
1270.6
1212.6
1137.5
1042.4
934.0
825.6
741.3
685.2
631.8
591.1
537.2
490.8
447.2
412.8
385.9
365.2
349.7
329.7
364.7
270.1
213.9
172.0
127.9
52.7
0.0

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