

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: P852343

Luminaire Tested: **GLAN-SB3A-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852343
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-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11422 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

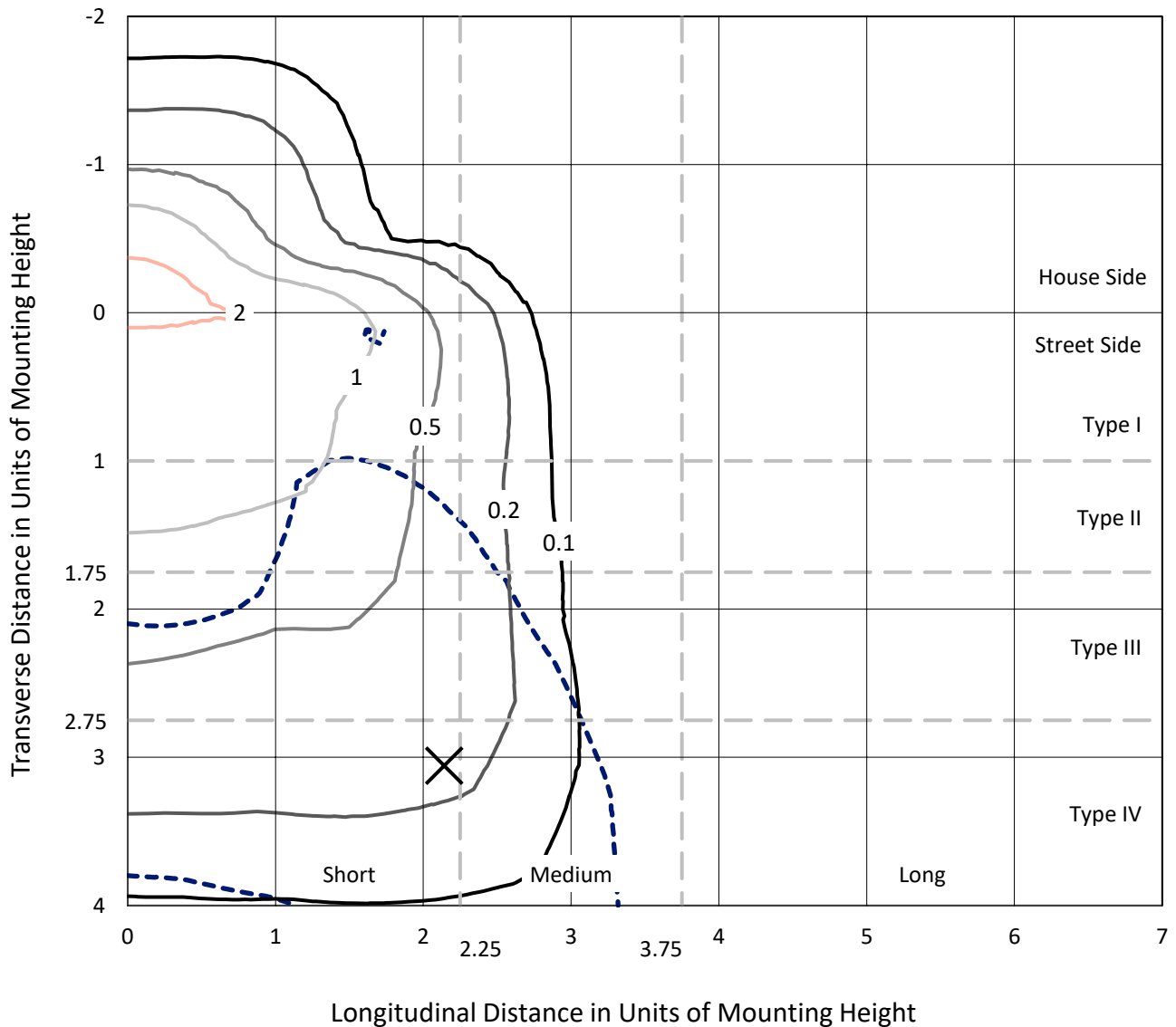
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

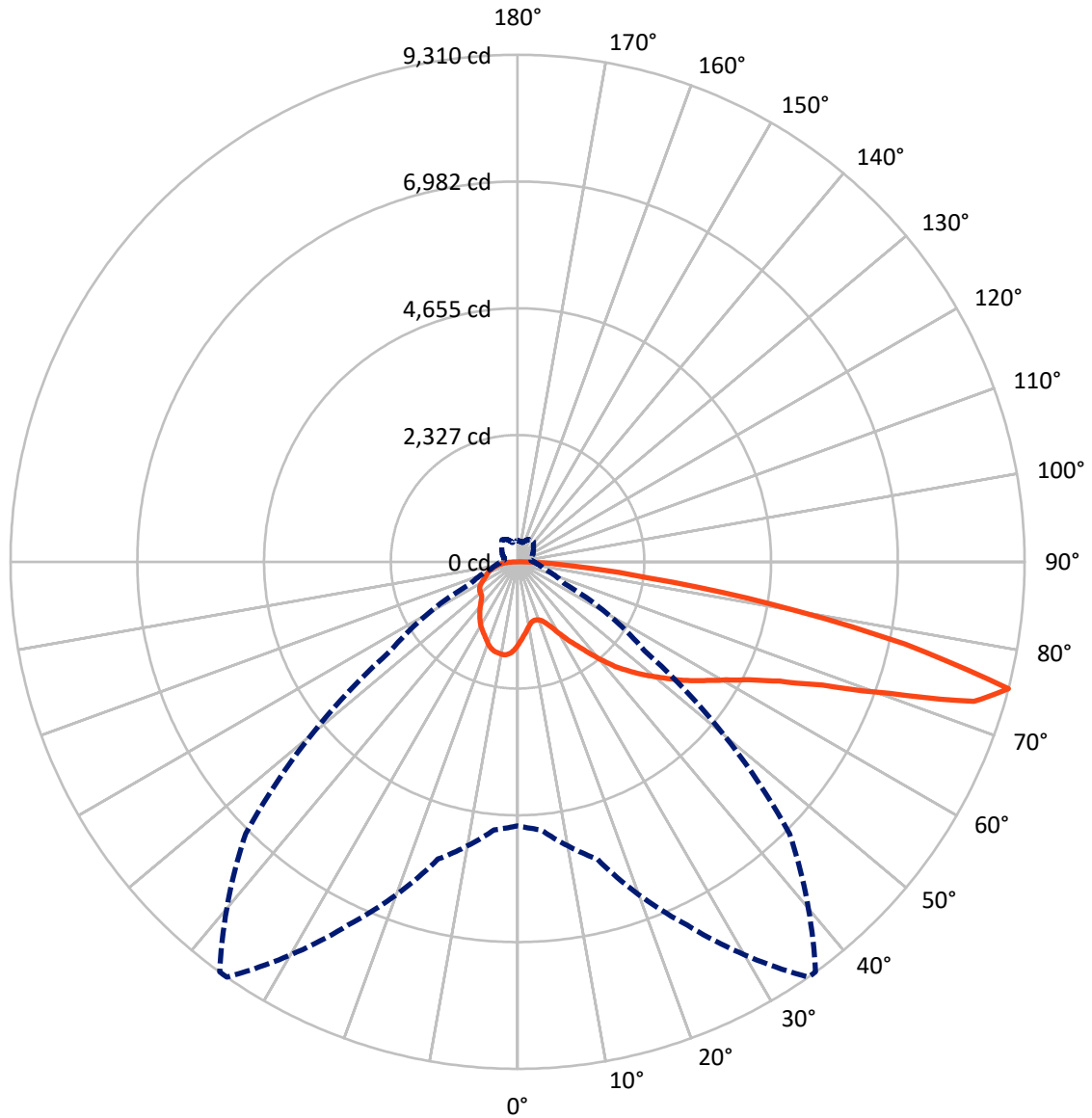
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	2718.2	0.0	2718.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	8703.8	0.0	8703.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	11422.0	0.0	11422.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	1.3
10°-20°	415.7	3.6
20°-30°	698.0	6.1
30°-40°	1084.8	9.5
40°-50°	1610.2	14.1
50°-60°	2222.9	19.5
60°-70°	2696.9	23.6
70°-80°	2228.8	19.5
80°-90°	320.6	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°	11422.0	100.0
0°-180°	11422.0	100.0

Coefficient of Utilization



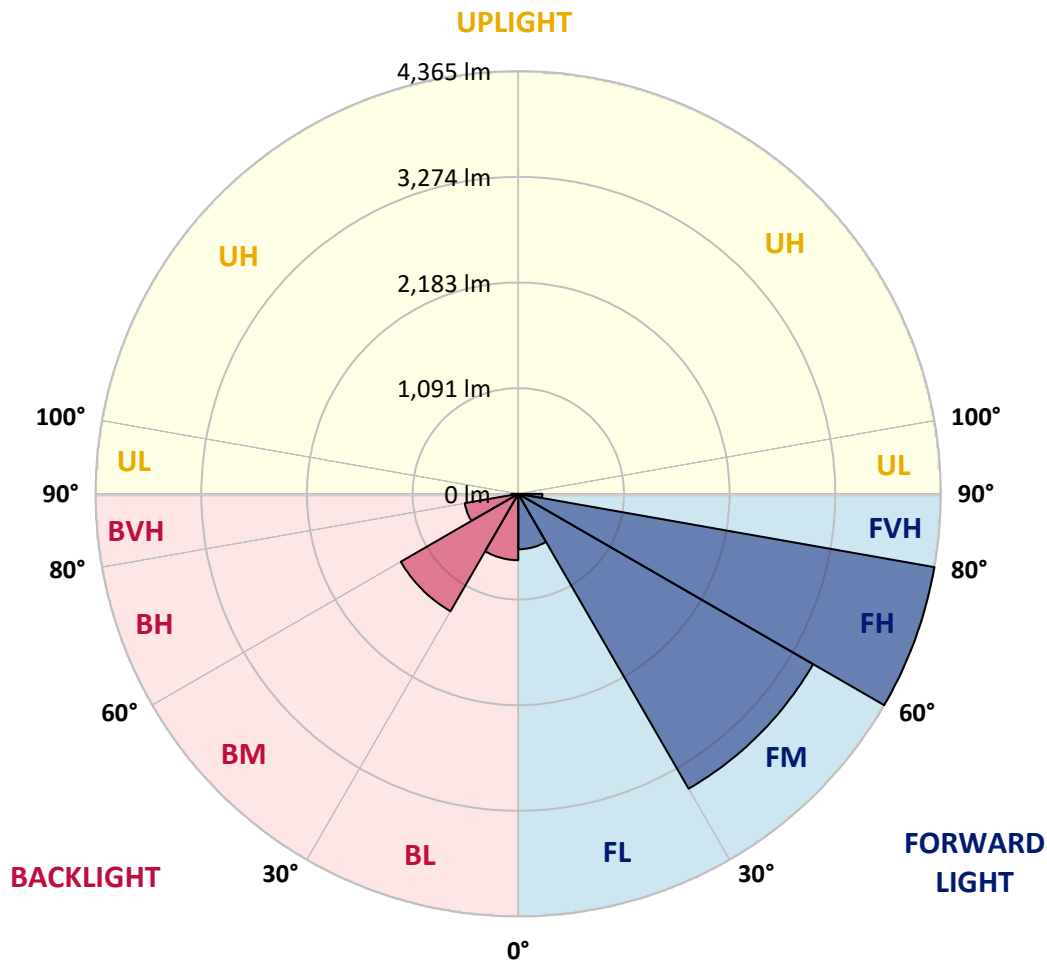
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.8	5.0			
FM (30°-60°)	3517.4	30.8			
FH (60°-80°)	4365.3	38.2			G2/5000
FVH (80°-90°)	248.4	2.2			G3/500
BL (0°-30°)	685.0	6.0	B2/1000		
BM (30°-60°)	1400.6	12.3	B2/2500		
BH (60°-80°)	560.4	4.9	B2/1000		G2/1000
BVH (80°-90°)	72.2	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°	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1
2.5°	1403.5	1412.1	1415.9	1414.0	1423.3	1422.0	1435.0	1451.0	1473.3	1494.9
5°	1295.4	1304.7	1312.7	1320.1	1338.1	1343.6	1364.0	1394.9	1435.6	1477.0
7.5°	1194.8	1202.8	1215.2	1228.8	1259.0	1264.6	1298.5	1346.7	1403.5	1464.0
10°	1112.7	1120.7	1133.7	1149.1	1186.8	1193.6	1236.8	1301.0	1375.1	1451.7
12.5°	1077.5	1080.0	1087.4	1102.8	1135.5	1139.8	1187.4	1260.9	1347.3	1442.4
15°	1075.6	1080.6	1081.2	1089.2	1116.4	1118.2	1162.1	1234.9	1330.0	1440.6
17.5°	1094.2	1097.9	1092.3	1097.2	1120.1	1123.2	1157.8	1222.6	1324.5	1448.6
20°	1143.6	1146.6	1130.0	1123.2	1139.8	1142.3	1176.3	1230.6	1330.0	1465.3
22.5°	1248.5	1250.4	1209.6	1181.8	1183.1	1184.3	1213.9	1263.3	1351.6	1495.5
25°	1412.1	1410.9	1346.1	1292.4	1261.5	1254.7	1274.5	1316.4	1388.1	1535.6
27.5°	1603.6	1594.3	1529.5	1449.2	1381.9	1372.0	1367.7	1385.6	1439.9	1588.7
30°	1819.7	1811.0	1741.3	1636.3	1543.1	1527.0	1486.2	1477.0	1517.1	1661.0
32.5°	2056.8	2051.2	1967.9	1840.7	1715.9	1697.4	1628.9	1604.2	1635.7	1770.3
35°	2255.6	2250.7	2181.5	2050.6	1898.1	1875.3	1805.5	1777.7	1793.7	1910.4
37.5°	2435.3	2432.8	2373.5	2270.4	2113.0	2085.2	2006.8	1997.5	1994.4	2095.1
40°	2602.0	2595.8	2534.1	2479.8	2363.1	2337.7	2268.6	2260.6	2237.1	2322.3
42.5°	2786.6	2770.6	2681.0	2655.7	2624.2	2603.2	2561.9	2563.1	2511.2	2578.5
45°	2937.3	2928.0	2836.0	2821.2	2855.2	2846.5	2882.3	2891.6	2791.0	2847.1
47.5°	3099.1	3090.4	3012.6	3002.1	3094.1	3096.6	3223.2	3226.3	3063.9	3126.2
50°	3298.5	3286.2	3209.0	3221.9	3325.1	3334.3	3565.9	3544.9	3315.2	3409.7
52.5°	3430.0	3437.4	3420.8	3441.8	3582.5	3591.2	3903.0	3849.3	3564.0	3689.4
55°	3527.0	3541.8	3593.7	3641.8	3854.2	3862.9	4221.0	4138.9	3770.3	3948.7
57.5°	3651.7	3630.7	3727.7	3821.5	4112.3	4135.2	4530.4	4418.0	3953.0	4172.2
60°	3830.8	3816.0	3891.3	4030.2	4401.3	4437.7	4857.6	4669.3	4087.0	4349.4
62.5°	4193.8	4156.8	4168.5	4291.4	4765.6	4813.8	5226.9	4888.5	4153.7	4418.6
65°	4736.6	4673.0	4613.7	4698.9	5278.7	5326.3	5643.7	5060.8	4129.0	4284.6
67.5°	5420.1	5357.2	5284.3	5364.6	6034.5	6072.2	6158.0	5157.7	3934.5	3768.4
70°	5983.9	5960.4	6047.5	6377.8	7241.7	7242.9	6817.5	5077.4	3401.6	2671.8
72.5°	5909.2	5895.0	6353.7	7375.0	8763.1	8730.4	7441.7	4469.9	2291.4	1205.3
75°	4847.7	4939.7	5650.5	7357.1	9309.6	9305.2	7059.5	2841.6	947.8	499.5
77.5°	2599.5	2745.3	3668.4	5431.9	7267.6	7376.9	4963.2	994.1	406.9	319.8
80°	847.8	975.0	1462.2	2765.6	4722.4	4702.0	2127.2	390.2	278.5	226.6
82.5°	360.0	374.8	653.3	1305.9	2423.6	2385.9	677.4	224.1	195.7	155.0
85°	140.8	157.5	288.4	603.9	1049.7	1026.8	244.5	111.1	125.3	101.3
87.5°	46.3	56.2	103.1	206.9	326.6	314.9	59.9	38.3	54.3	46.3
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°
1522.1	0°	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1
1526.4	2.5°	1535.0	1544.9	1556.6	1573.9	1588.7	1601.1	1614.1	1622.1	1625.2	1634.4
1528.9	5°	1546.1	1567.8	1596.8	1625.2	1653.0	1669.6	1684.5	1691.9	1698.7	1703.6
1535.6	7.5°	1564.7	1592.5	1638.1	1675.2	1698.7	1712.2	1722.1	1719.6	1722.1	1723.4
1543.1	10°	1580.7	1619.6	1674.0	1709.2	1727.1	1727.7	1725.2	1716.6	1712.2	1712.9
1554.2	12.5°	1599.9	1643.1	1701.7	1731.4	1736.3	1722.7	1712.2	1697.4	1691.9	1689.4
1570.8	15°	1625.8	1675.2	1732.0	1743.1	1730.8	1713.5	1695.6	1671.5	1659.1	1649.3
1599.2	17.5°	1657.3	1711.6	1755.5	1747.4	1720.9	1692.5	1663.5	1627.0	1601.7	1591.2
1638.1	20°	1701.1	1749.9	1773.4	1738.2	1698.0	1654.8	1605.4	1561.0	1537.5	1527.0
1687.5	22.5°	1754.2	1801.2	1790.7	1722.1	1665.3	1596.2	1534.4	1501.7	1490.0	1482.5
1751.1	25°	1817.8	1858.0	1803.0	1698.7	1611.6	1518.4	1470.8	1460.3	1454.8	1449.2
1828.9	27.5°	1900.6	1922.2	1812.3	1664.1	1527.6	1435.6	1418.3	1420.2	1418.3	1409.1
1937.0	30°	2009.9	2005.5	1820.9	1607.9	1431.3	1360.9	1362.1	1370.2	1371.4	1365.2
2087.7	32.5°	2153.7	2109.9	1825.2	1535.0	1339.3	1295.4	1296.7	1305.3	1311.5	1301.0
2284.6	35°	2327.9	2231.5	1818.4	1443.6	1268.3	1233.1	1223.8	1226.3	1228.1	1218.3
2523.6	37.5°	2531.0	2368.0	1788.2	1342.4	1209.6	1172.0	1152.2	1135.5	1125.6	1116.4
2794.0	40°	2753.9	2516.8	1732.6	1243.6	1144.2	1107.1	1077.5	1046.0	1012.6	1000.3
3080.5	42.5°	2987.3	2669.9	1665.3	1149.1	1068.8	1038.6	1007.1	961.4	911.4	886.1
3378.2	45°	3229.4	2826.8	1599.2	1055.9	991.7	978.7	942.3	887.3	833.0	800.9
3676.4	47.5°	3466.5	2975.0	1502.3	962.0	919.4	933.6	905.2	854.6	794.1	743.4
3972.2	50°	3693.1	3113.9	1343.6	866.9	860.8	920.0	892.9	820.0	750.8	686.0
4262.4	52.5°	3917.8	3226.3	1140.5	780.5	829.3	916.3	876.8	796.5	711.9	644.0
4535.3	55°	4108.6	3284.3	944.7	706.4	783.6	884.8	857.7	768.7	657.0	584.7
4722.4	57.5°	4217.3	3237.4	781.7	633.5	720.6	833.0	824.9	709.5	591.5	536.0
4758.8	60°	4170.4	3047.2	648.3	569.9	660.7	776.8	768.1	650.8	541.5	489.0
4563.7	62.5°	3911.7	2684.8	542.8	514.4	606.4	719.4	711.3	605.7	503.2	452.6
4045.7	65°	3390.5	2184.0	460.6	468.0	551.4	650.2	661.9	568.1	473.0	423.6
3129.9	67.5°	2586.0	1582.0	396.4	427.9	497.7	582.3	616.2	540.9	447.7	400.7
1811.0	70°	1473.9	898.4	342.1	389.0	450.1	519.3	581.0	519.3	420.5	381.6
678.6	72.5°	558.8	412.5	295.8	350.1	404.4	466.2	542.1	485.3	389.0	360.0
350.7	75°	298.2	251.3	248.8	304.4	352.0	414.3	493.4	452.0	365.5	380.4
242.7	77.5°	203.1	177.8	208.1	260.6	294.5	356.9	441.5	401.4	316.8	315.5
168.0	80°	140.8	126.0	169.2	209.9	227.8	300.1	385.3	344.5	258.1	240.8
103.7	82.5°	84.6	82.1	126.6	156.8	161.2	231.6	319.2	289.0	211.2	184.0
61.7	85°	46.3	48.8	80.9	92.0	93.9	161.8	250.1	223.5	162.4	136.5
22.2	87.5°	13.0	16.7	29.6	36.4	45.1	84.0	148.8	132.8	81.5	56.8
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

180°
1522.1
1633.8
1704.8
1725.2
1714.1
1688.2
1652.3
1591.8
1525.8
1483.8
1449.2
1410.9
1368.3
1305.9
1225.1
1122.6
1005.9
889.2
798.4
737.9
680.4
636.6
578.6
528.6
481.6
444.6
415.6
393.3
376.7
355.0
392.7
290.8
230.3
185.2
137.7
56.8
0.0

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