

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: P845868

Luminaire Tested: **GLAN-SB1B-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4408 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

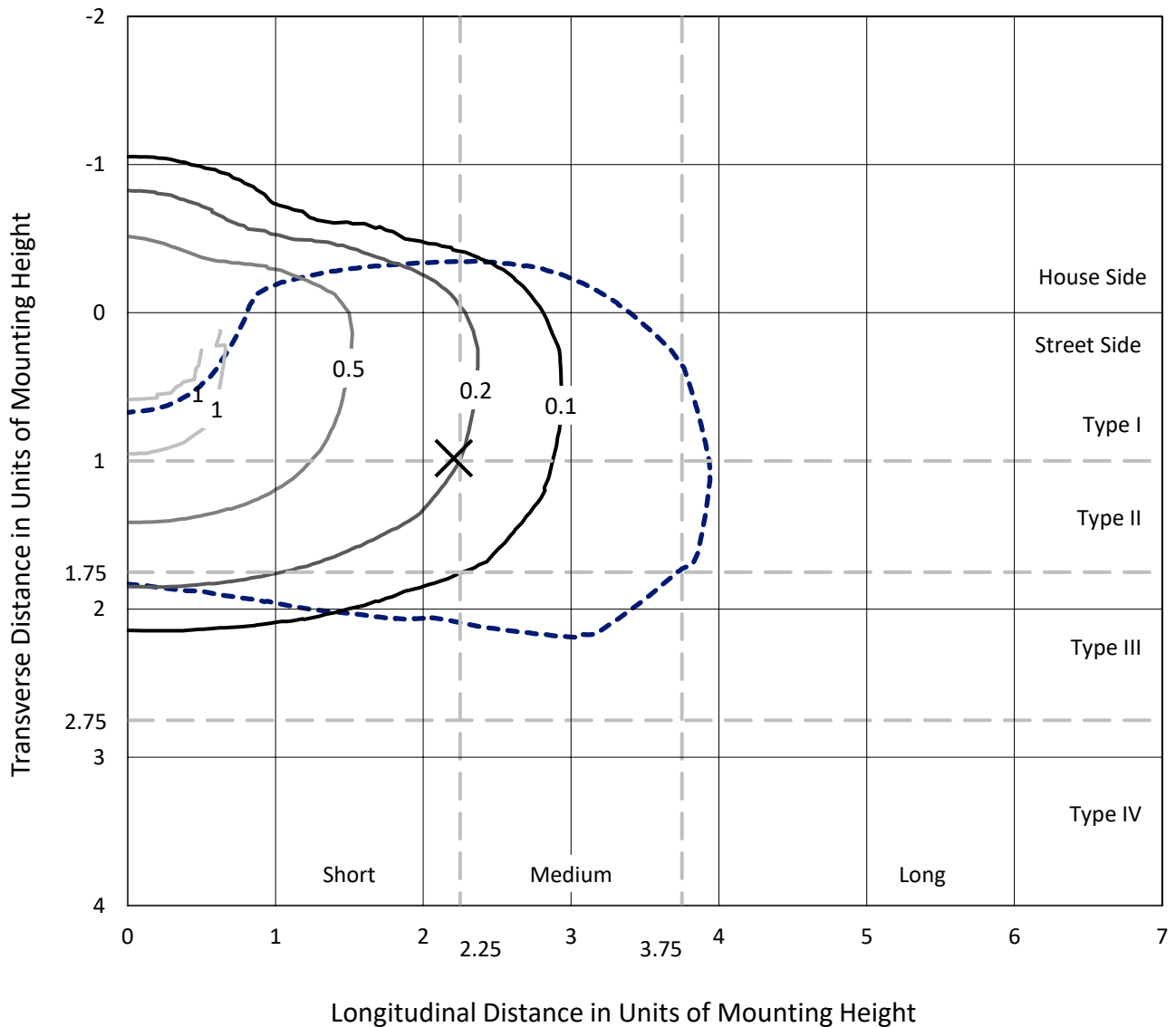
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

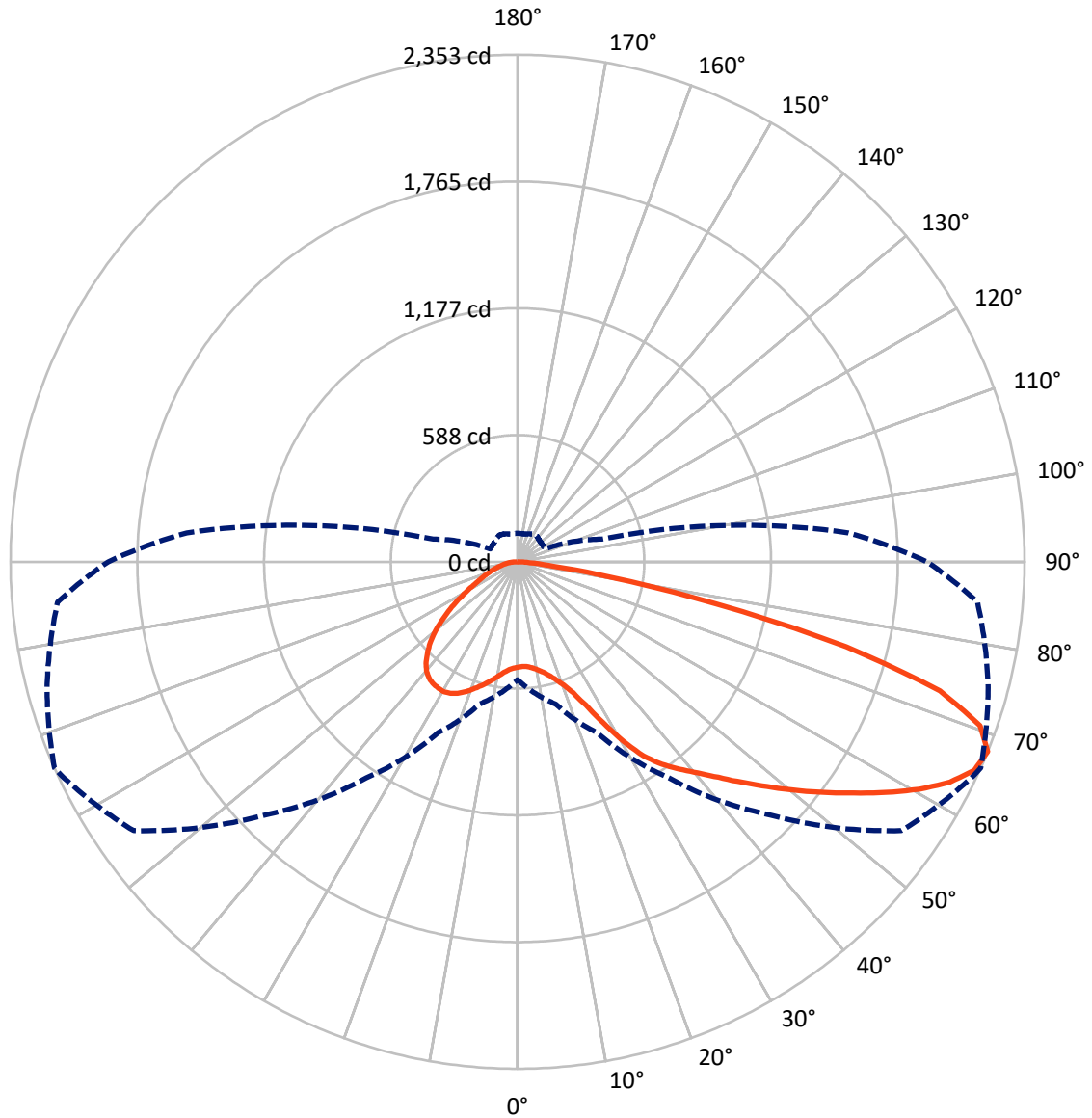
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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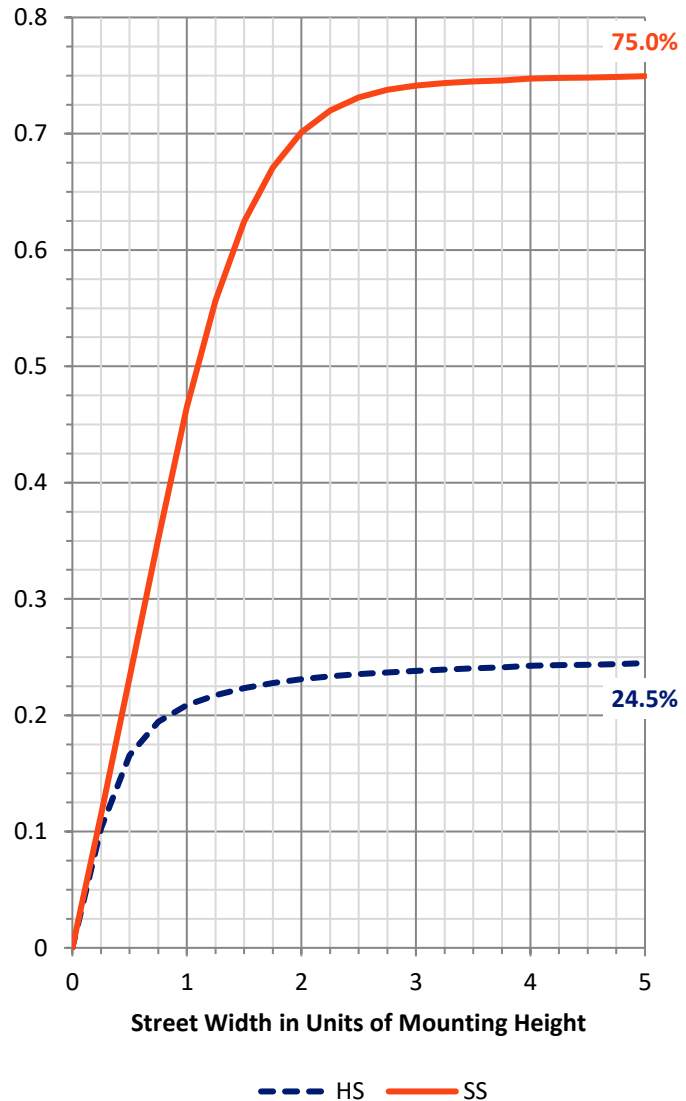
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.0	0.0	1096.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3312.0	0.0	3312.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	4408.0	0.0	4408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.1
10°-20°	160.1	3.6
20°-30°	308.7	7.0
30°-40°	541.2	12.3
40°-50°	804.6	18.3
50°-60°	1019.9	23.1
60°-70°	998.0	22.6
70°-80°	476.0	10.8
80°-90°	50.9	1.2
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°	4408.0	100.0
0°-180°	4408.0	100.0

Coefficient of Utilization



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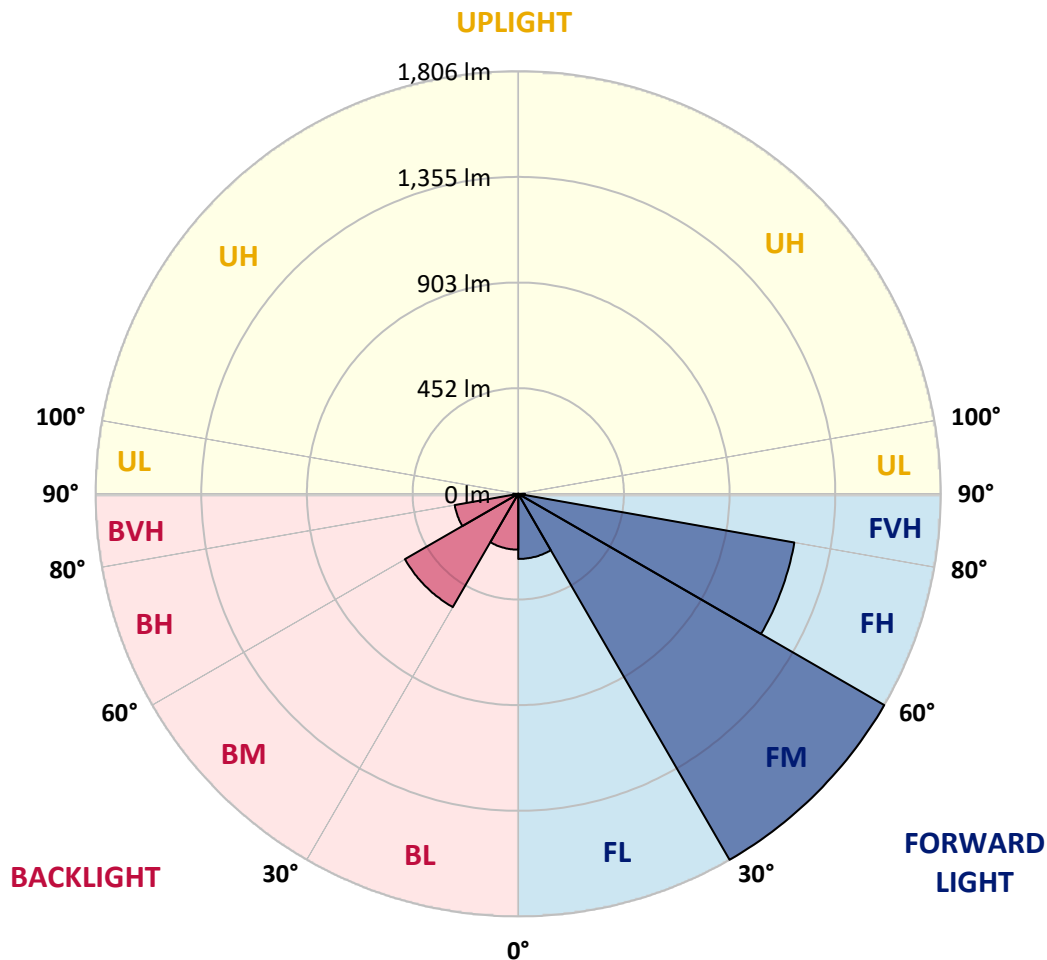
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.5	6.3			
FM (30°-60°)	1806.4	41.0			
FH (60°-80°)	1198.2	27.2			G1/1800
FVH (80°-90°)	28.8	0.7			G1/100
BL (0°-30°)	238.8	5.4	B1/500		
BM (30°-60°)	559.4	12.7	B1/1000		
BH (60°-80°)	275.8	6.3	B1/500		G1/500
BVH (80°-90°)	22.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9
2.5°	483.8	486.6	485.9	484.7	484.5	485.0	485.7	486.4	486.1	487.3
5°	482.4	485.2	485.0	485.0	485.9	487.7	488.9	490.1	488.9	490.3
7.5°	483.3	485.4	486.4	487.3	489.6	493.1	495.9	498.4	497.0	498.6
10°	495.2	496.8	497.7	497.7	499.3	503.3	506.0	510.7	509.5	512.1
12.5°	516.7	518.3	518.3	517.4	518.6	521.1	522.0	527.1	525.0	529.2
15°	543.1	546.3	543.8	542.2	542.6	545.2	545.0	548.9	546.8	550.3
17.5°	572.3	576.4	572.3	572.0	571.1	573.9	574.1	577.6	573.9	576.4
20°	606.8	612.6	609.1	610.3	608.2	609.3	610.5	615.6	609.8	611.7
22.5°	655.4	662.4	658.7	663.1	661.7	660.8	660.5	669.6	660.5	661.2
25°	726.3	734.6	728.1	734.2	734.2	737.2	740.7	752.2	737.2	732.8
27.5°	831.0	839.3	826.6	830.3	829.1	836.5	832.8	861.5	845.3	838.2
30°	957.0	971.8	947.7	946.8	945.6	957.4	962.8	981.7	965.3	958.1
32.5°	1093.1	1108.7	1079.9	1071.6	1067.2	1074.4	1070.0	1085.3	1073.9	1062.8
35°	1237.2	1252.5	1225.2	1208.9	1191.3	1176.3	1160.5	1164.5	1153.8	1136.9
37.5°	1373.4	1401.4	1372.5	1355.1	1322.7	1293.2	1249.2	1230.9	1221.0	1205.5
40°	1512.1	1528.1	1506.1	1491.3	1456.1	1410.0	1339.6	1300.9	1287.5	1272.4
42.5°	1614.2	1629.5	1617.7	1607.5	1580.0	1526.5	1435.5	1387.0	1367.6	1350.7
45°	1695.3	1706.7	1699.2	1702.9	1691.1	1639.3	1534.8	1479.5	1459.3	1438.7
47.5°	1728.0	1740.0	1751.8	1773.8	1794.0	1755.8	1641.6	1579.5	1558.2	1537.1
50°	1724.3	1736.5	1770.8	1817.6	1880.1	1867.4	1754.1	1686.0	1666.4	1642.3
52.5°	1694.6	1708.5	1752.5	1830.3	1929.9	1951.0	1868.8	1796.1	1777.5	1748.8
55°	1616.8	1625.1	1691.1	1801.4	1941.7	2009.4	1981.1	1913.2	1894.7	1854.6
57.5°	1472.5	1484.5	1580.7	1723.3	1912.1	2049.0	2079.8	2036.4	2018.6	1960.9
60°	1284.2	1303.4	1413.4	1592.2	1836.6	2048.7	2169.4	2157.6	2142.8	2065.6
62.5°	1071.1	1093.4	1199.2	1407.0	1704.6	1990.6	2225.4	2259.0	2251.4	2162.2
65°	822.6	837.9	943.3	1167.3	1499.1	1865.8	2231.9	2328.3	2329.7	2235.6
67.5°	547.7	591.7	683.2	875.9	1224.0	1661.7	2174.9	2339.6	2353.0	2260.9
70°	267.3	325.2	414.8	569.3	875.9	1348.8	2026.0	2246.5	2276.4	2187.2
72.5°	110.9	129.7	178.6	280.9	502.8	910.2	1726.8	1994.1	2049.4	1938.0
75°	74.8	81.1	102.1	144.1	229.1	448.8	1245.3	1486.9	1576.0	1463.7
77.5°	57.7	61.6	74.3	100.7	136.2	169.8	666.5	896.1	942.1	872.2
80°	45.4	48.4	55.6	73.4	96.6	90.8	227.2	406.0	432.6	362.9
82.5°	39.4	40.5	39.8	49.8	64.2	53.0	74.6	149.8	165.4	120.0
85°	28.5	31.7	33.1	30.8	34.0	26.9	30.6	53.0	58.4	52.1
87.5°	11.6	17.1	21.1	19.9	12.5	7.6	9.5	15.5	17.8	19.5
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°
488.9	0°	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9
489.1	2.5°	489.4	491.0	492.1	493.5	494.5	495.9	498.6	500.3	500.5	501.6
492.8	5°	493.8	496.1	498.6	502.3	506.5	510.0	515.3	519.0	520.4	521.6
501.9	7.5°	503.3	506.5	511.1	517.6	523.6	528.3	534.8	539.2	543.6	545.2
516.2	10°	517.4	522.0	528.7	537.5	544.0	550.0	556.8	560.5	564.9	566.7
533.4	12.5°	535.0	539.9	548.7	560.9	567.0	571.1	573.4	572.5	573.4	575.1
554.0	15°	555.1	560.5	570.4	583.6	587.8	584.1	579.0	574.4	573.7	574.1
579.0	17.5°	579.0	582.9	594.5	605.6	602.6	587.3	576.2	568.8	565.1	563.9
611.0	20°	612.3	612.3	621.8	628.8	608.6	582.7	565.3	553.3	545.6	542.4
654.5	22.5°	652.9	649.2	655.2	650.3	607.5	569.7	545.6	524.8	513.2	508.6
715.4	25°	704.3	699.9	698.3	668.2	599.1	549.1	510.0	484.7	474.5	472.0
803.2	27.5°	781.9	770.8	749.7	677.9	583.9	516.7	468.3	444.9	439.1	439.3
916.0	30°	885.2	862.9	811.3	679.5	558.8	470.8	425.7	409.0	406.2	407.4
1010.7	32.5°	980.8	959.7	874.3	672.1	520.4	425.9	387.5	376.3	372.2	373.6
1083.0	35°	1055.9	1050.1	932.6	661.7	473.2	383.8	353.2	343.7	335.6	333.7
1151.0	37.5°	1126.7	1124.4	976.4	647.1	426.4	353.9	325.6	313.1	301.3	294.8
1226.3	40°	1204.5	1202.2	1005.1	624.6	384.9	327.9	300.8	284.4	269.8	258.0
1311.5	42.5°	1292.1	1278.4	1018.8	592.4	349.7	305.9	280.7	258.5	239.2	228.4
1407.9	45°	1387.7	1356.9	1018.6	551.4	320.1	285.8	259.2	227.7	209.8	199.6
1506.8	47.5°	1489.2	1432.0	1006.1	506.0	291.4	263.6	225.8	201.7	189.9	183.7
1614.2	50°	1593.9	1502.2	984.8	453.9	261.9	238.3	205.0	188.5	179.5	173.7
1720.8	52.5°	1692.3	1565.8	959.1	394.9	232.1	213.8	195.7	183.0	173.5	167.0
1824.1	55°	1783.8	1620.7	922.7	334.4	207.7	197.3	191.3	180.6	169.8	162.1
1929.0	57.5°	1865.1	1656.4	859.9	277.7	190.4	186.0	186.7	176.7	164.2	157.7
2032.3	60°	1932.7	1682.6	767.1	225.1	176.2	174.9	179.5	169.3	154.7	147.3
2119.6	62.5°	1973.2	1682.1	653.1	184.4	164.2	164.7	170.0	160.0	145.2	138.3
2165.2	65°	1969.7	1640.9	528.0	157.7	152.6	153.1	160.0	149.8	137.3	133.2
2142.3	67.5°	1900.0	1540.4	405.1	140.3	139.9	142.0	150.1	142.9	132.5	132.0
2005.6	70°	1711.3	1331.7	291.8	126.5	126.7	129.7	140.3	138.5	129.9	130.9
1686.3	72.5°	1372.2	1015.3	195.9	111.9	112.1	117.0	131.1	135.0	127.4	139.7
1196.4	75°	913.9	633.2	126.0	96.3	96.6	102.8	123.0	128.3	120.4	139.2
622.5	77.5°	439.1	284.6	91.2	81.1	81.1	86.8	106.3	114.9	102.6	108.2
200.1	80°	151.7	107.0	71.8	65.3	63.9	67.9	89.6	99.6	88.5	81.5
65.3	82.5°	59.8	55.6	57.7	50.7	46.1	48.6	69.7	82.2	65.1	58.8
36.8	85°	34.3	36.1	40.8	33.6	26.6	29.9	51.2	59.1	49.1	43.3
12.0	87.5°	9.3	12.7	18.8	17.4	12.0	12.7	24.3	32.7	28.3	21.8
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°
488.9
501.4
521.3
545.4
567.6
575.5
575.8
565.6
541.7
507.9
472.5
440.0
411.3
375.4
335.1
295.1
259.2
229.1
199.2
182.3
171.6
164.2
159.1
153.6
144.1
136.2
132.9
132.7
130.6
141.5
140.3
99.1
76.4
58.6
44.2
22.5
0.0

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