

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: P847176

Luminaire Tested: **GLAN-SB3A-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8588 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

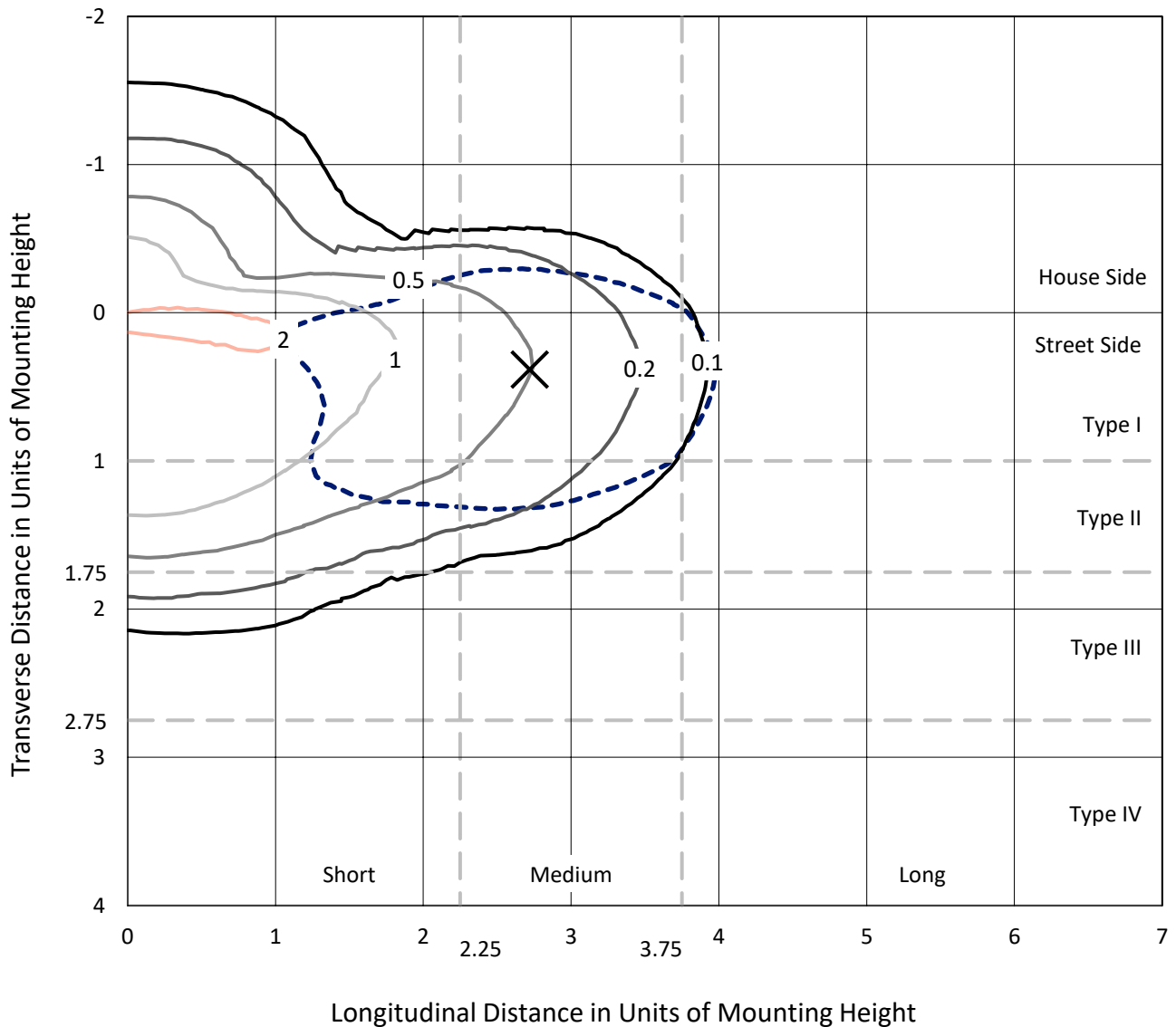
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

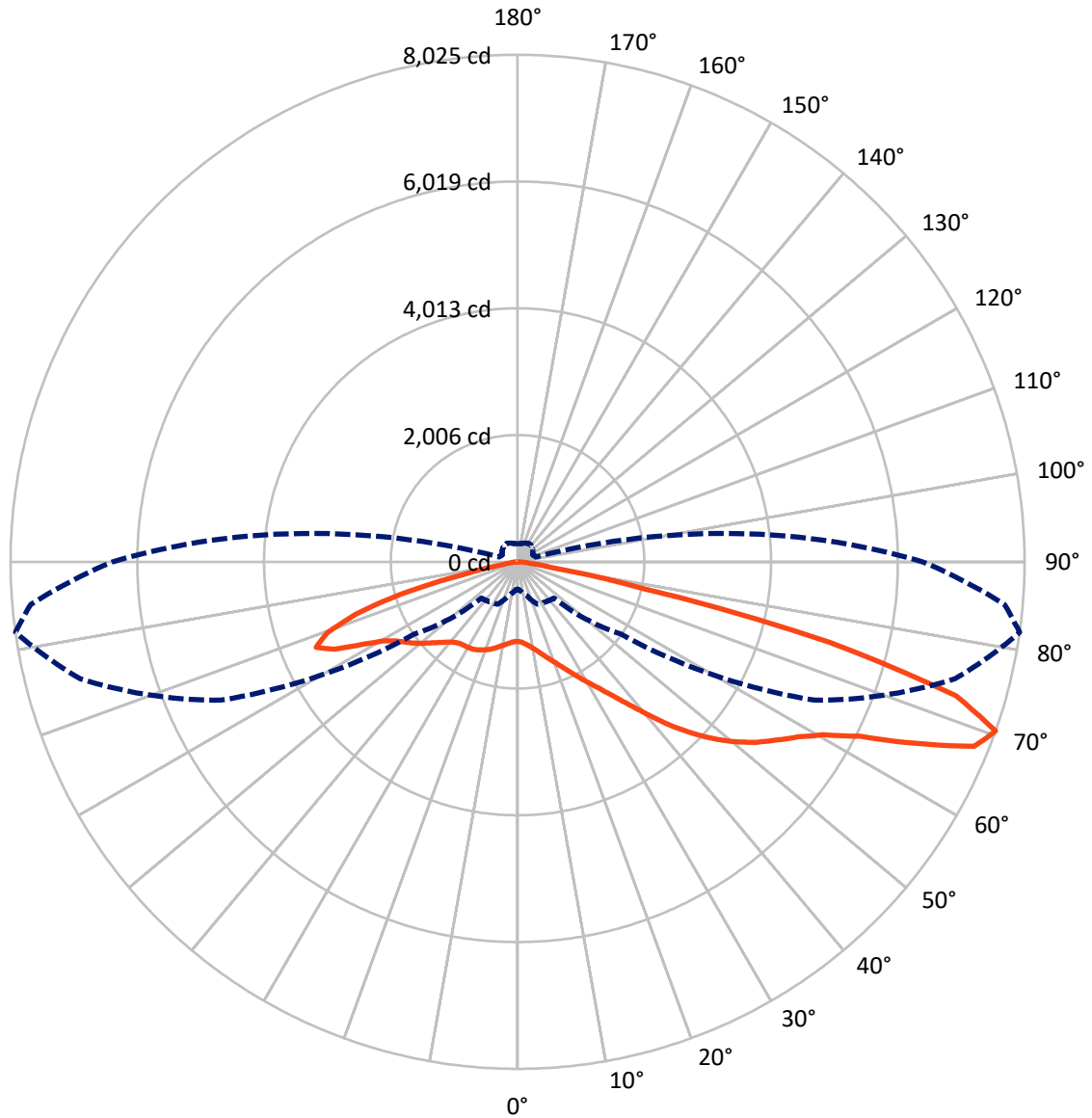
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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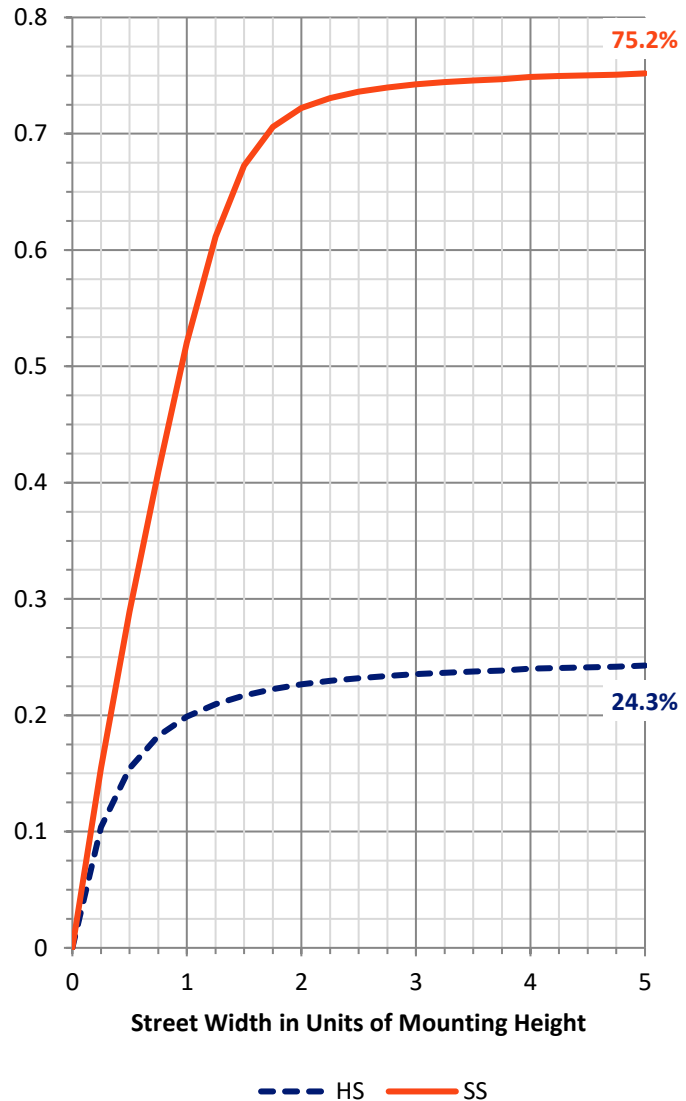
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2117.2	0.0	2117.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6470.8	0.0	6470.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	8588.0	0.0	8588.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	1.4
10°-20°	341.6	4.0
20°-30°	571.4	6.7
30°-40°	892.7	10.4
40°-50°	1421.7	16.6
50°-60°	1978.4	23.0
60°-70°	2069.5	24.1
70°-80°	1081.6	12.6
80°-90°	112.3	1.3
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°	8588.0	100.0
0°-180°	8588.0	100.0

Coefficient of Utilization

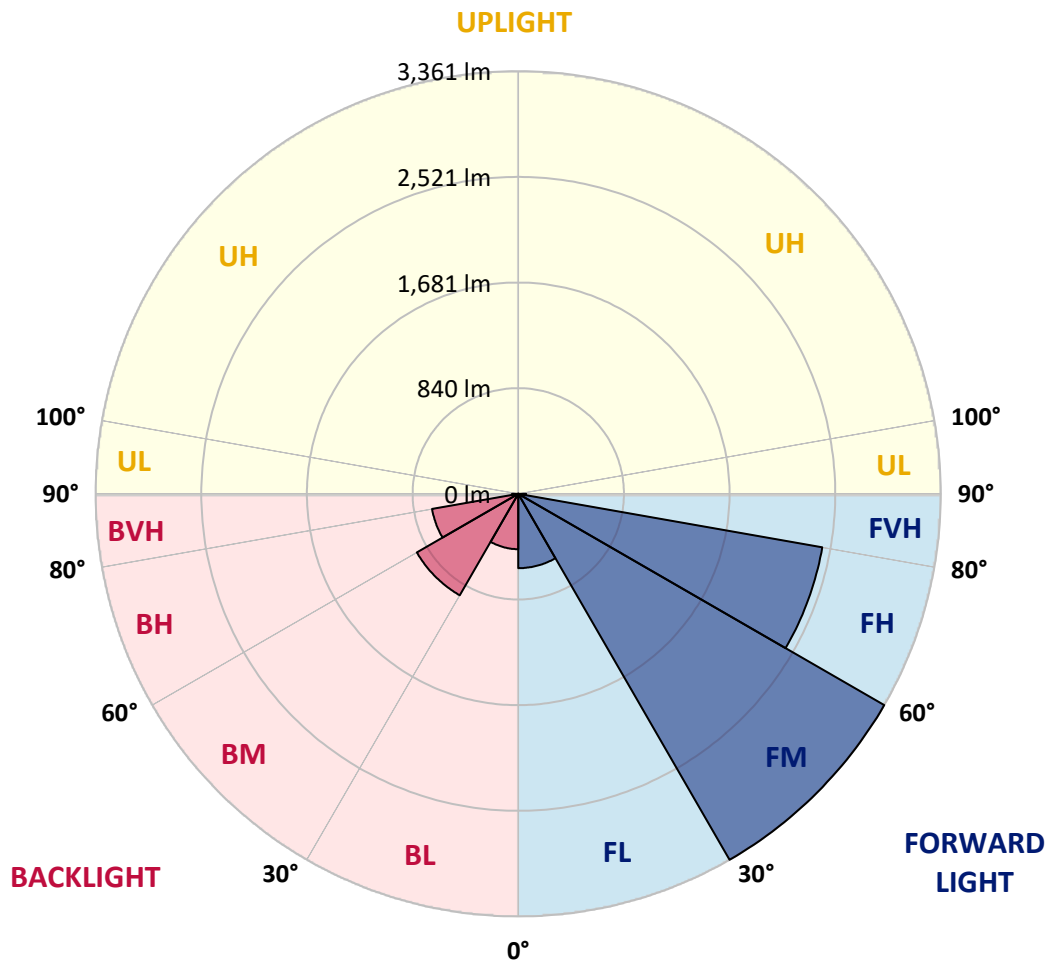


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.4	6.9			
FM (30°-60°)	3361.3	39.1			
FH (60°-80°)	2455.3	28.6			G2/5000
FVH (80°-90°)	62.9	0.7			G1/100
BL (0°-30°)	440.4	5.1	B1/500		
BM (30°-60°)	931.5	10.8	B1/1000		
BH (60°-80°)	695.8	8.1	B2/1000		G2/1000
BVH (80°-90°)	49.4	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-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1
2.5°	1289.2	1296.5	1294.2	1291.9	1291.9	1288.7	1288.3	1283.7	1280.1	1274.1
5°	1305.6	1313.3	1312.4	1314.2	1320.2	1321.5	1322.9	1320.2	1312.9	1305.6
7.5°	1291.0	1299.7	1302.4	1313.3	1331.6	1348.0	1360.3	1365.3	1358.5	1348.0
10°	1241.8	1251.4	1260.9	1286.9	1319.3	1358.0	1390.8	1410.4	1409.0	1399.0
12.5°	1142.0	1152.0	1172.5	1223.1	1282.3	1350.7	1411.8	1452.8	1466.9	1459.6
15°	1062.2	1070.9	1086.4	1138.3	1215.4	1319.3	1419.5	1499.3	1535.3	1531.2
17.5°	1060.0	1063.6	1073.2	1097.8	1157.0	1270.0	1411.3	1544.8	1613.6	1613.2
20°	1100.1	1101.4	1106.9	1111.9	1145.6	1232.7	1390.4	1582.7	1701.6	1701.6
22.5°	1155.7	1154.8	1160.2	1155.7	1172.1	1229.5	1377.1	1615.9	1799.6	1806.9
25°	1239.1	1234.5	1233.1	1222.7	1225.8	1259.1	1391.7	1653.7	1915.8	1930.8
27.5°	1350.2	1343.0	1337.9	1313.8	1305.6	1320.2	1436.4	1699.3	2045.2	2071.2
30°	1495.2	1481.9	1474.7	1432.7	1403.1	1405.4	1503.8	1759.9	2180.5	2222.5
32.5°	1692.9	1672.4	1652.8	1584.0	1529.8	1512.0	1590.9	1843.8	2327.3	2394.3
35°	1914.4	1898.0	1877.0	1770.9	1687.5	1646.5	1708.4	1960.9	2499.1	2605.3
37.5°	2127.7	2113.6	2123.6	1980.5	1872.9	1813.2	1862.5	2118.1	2711.0	2867.7
40°	2348.2	2337.3	2338.7	2202.0	2076.6	2009.7	2049.3	2315.4	2953.9	3179.9
42.5°	2587.9	2579.7	2552.4	2431.2	2290.4	2227.9	2264.4	2543.3	3214.5	3535.3
45°	2856.3	2851.3	2825.8	2686.8	2525.5	2455.3	2504.5	2794.8	3476.6	3869.8
47.5°	3088.3	3092.4	3089.2	2972.1	2804.9	2701.9	2760.7	3057.3	3720.4	4184.3
50°	3199.9	3221.4	3252.8	3216.4	3112.5	3007.6	3019.0	3310.7	3952.8	4479.1
52.5°	3141.6	3182.2	3267.8	3326.2	3366.3	3344.4	3313.9	3562.2	4171.5	4745.2
55°	2924.2	2981.2	3123.4	3264.2	3468.8	3627.9	3668.0	3841.1	4384.8	4979.5
57.5°	2528.2	2620.7	2748.3	3033.2	3377.7	3765.0	4080.8	4228.0	4610.8	5229.7
60°	1849.2	1973.2	2131.8	2555.6	3058.7	3691.7	4432.2	4822.3	4932.1	5553.7
62.5°	1183.5	1260.0	1405.8	1805.0	2383.3	3315.7	4539.7	5565.0	5476.6	6085.0
65°	810.2	859.5	993.0	1217.2	1540.7	2468.1	4251.7	6121.9	6341.6	6927.1
67.5°	588.8	626.1	740.1	936.5	1003.9	1460.5	3299.3	6096.4	7182.3	7794.8
70°	429.3	455.7	551.4	740.1	772.4	812.5	1998.7	5182.3	7164.1	8025.4
72.5°	318.1	336.3	400.6	574.2	625.2	548.7	989.3	3766.4	6156.1	7258.9
75°	230.1	243.8	291.2	439.3	500.4	417.9	493.5	2201.0	4294.1	5106.2
77.5°	175.9	186.4	217.4	321.7	400.6	313.5	306.2	1012.6	2036.1	2046.1
80°	141.3	148.1	165.0	226.5	307.1	234.7	199.6	408.8	643.5	544.6
82.5°	103.9	115.3	139.4	159.0	219.6	161.8	121.7	206.4	244.7	210.5
85°	59.2	67.0	84.3	113.9	140.4	98.9	69.7	91.6	113.9	93.4
87.5°	21.0	27.3	29.6	44.7	61.1	41.0	26.9	26.4	37.4	27.8
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°
1259.1	0°	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1	1259.1
1272.8	2.5°	1268.2	1265.9	1256.8	1244.5	1231.8	1219.5	1215.4	1206.7	1200.8	1197.6
1302.4	5°	1293.7	1286.5	1265.0	1237.7	1209.0	1178.0	1156.1	1136.1	1121.5	1107.8
1343.0	7.5°	1330.2	1317.4	1280.5	1232.7	1181.6	1130.1	1091.9	1062.7	1043.1	1030.3
1390.4	10°	1372.6	1353.0	1296.5	1224.9	1146.1	1072.3	1027.2	1002.1	989.8	983.0
1444.6	12.5°	1421.3	1393.5	1312.9	1207.2	1091.9	1007.6	976.6	969.3	969.7	970.2
1512.9	15°	1481.5	1442.8	1326.1	1168.4	1021.2	957.9	952.4	964.3	976.6	982.5
1590.4	17.5°	1549.4	1494.7	1328.4	1104.6	952.0	926.0	943.3	968.8	987.5	995.7
1677.0	20°	1622.3	1547.6	1312.0	1014.4	895.0	900.0	931.0	963.8	984.3	994.8
1775.9	22.5°	1705.7	1604.1	1272.8	919.6	848.5	871.8	908.2	940.1	961.5	972.0
1892.1	25°	1800.9	1667.4	1211.3	839.9	808.4	839.9	876.3	902.7	920.1	929.6
2022.0	27.5°	1906.7	1733.5	1129.2	776.5	773.3	807.1	837.1	857.6	866.7	874.0
2160.0	30°	2012.8	1793.6	1029.9	728.7	742.8	774.7	796.1	805.2	808.0	809.3
2314.1	32.5°	2127.7	1845.6	925.5	689.0	713.6	743.3	756.0	760.1	747.4	738.7
2500.9	35°	2266.7	1901.2	823.5	657.6	684.9	710.4	714.5	710.9	695.9	678.1
2735.1	37.5°	2438.5	1970.5	741.9	635.3	658.0	674.9	669.9	669.0	670.3	649.4
3016.8	40°	2649.0	2060.7	682.2	617.9	636.2	639.8	625.7	633.4	640.3	608.4
3325.7	42.5°	2882.8	2169.6	644.4	606.1	617.9	609.3	587.4	596.1	595.1	553.2
3636.1	45°	3121.1	2288.1	631.1	597.4	601.1	583.8	559.6	561.9	542.7	504.9
3933.6	47.5°	3358.1	2415.2	639.4	590.1	580.1	560.5	541.8	531.8	503.6	475.3
4218.9	50°	3590.5	2548.7	669.4	575.6	551.4	540.0	526.3	508.6	478.5	454.3
4488.7	52.5°	3806.0	2683.2	703.2	551.4	515.4	522.2	513.6	493.1	463.5	438.8
4743.9	55°	4010.2	2817.6	716.4	518.1	481.7	506.7	501.7	463.9	428.4	408.3
5010.9	57.5°	4232.6	2979.4	701.8	475.8	454.3	489.0	469.8	427.9	407.4	392.4
5358.6	60°	4540.6	3233.2	670.3	423.3	428.4	462.5	429.7	412.4	390.1	373.2
5879.9	62.5°	5052.4	3706.7	619.8	371.4	397.8	423.3	410.6	393.3	370.5	354.1
6771.3	65°	5808.8	4364.7	524.5	330.8	363.7	385.1	390.1	372.8	349.1	331.8
7552.4	67.5°	6446.8	4777.6	396.9	297.1	328.6	354.1	368.2	351.3	326.3	309.4
7735.1	70°	6411.7	4477.7	303.0	263.9	297.6	323.5	341.8	328.6	301.7	285.7
7026.0	72.5°	5694.9	3745.9	245.2	230.1	266.1	291.7	313.5	303.5	276.2	260.7
5147.2	75°	4183.8	2659.0	196.0	196.0	226.9	258.4	282.5	276.2	251.1	240.2
2160.9	77.5°	1763.6	1115.6	153.6	162.7	188.7	221.9	252.0	254.3	232.4	246.1
571.5	80°	468.9	307.6	117.1	128.1	148.1	183.2	219.2	218.3	194.6	181.8
212.4	82.5°	178.6	121.2	83.4	90.2	107.1	140.4	173.6	179.1	155.4	134.4
83.4	85°	68.8	52.0	51.5	54.2	62.4	93.0	131.2	135.8	117.1	99.3
23.2	87.5°	17.8	15.5	19.1	18.2	28.7	49.7	75.2	77.9	71.5	41.5
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°
1259.1
1201.2
1113.3
1033.1
984.8
971.1
982.0
997.5
997.5
974.7
932.4
876.8
812.5
741.4
679.0
650.7
609.3
552.8
506.3
475.3
452.5
439.3
406.5
391.0
372.3
354.1
332.7
309.9
287.1
260.7
237.0
223.3
169.1
134.4
102.5
59.2
0.0

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