

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: P847186

Luminaire Tested: **GLAN-SB3A-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847186
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-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8997 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

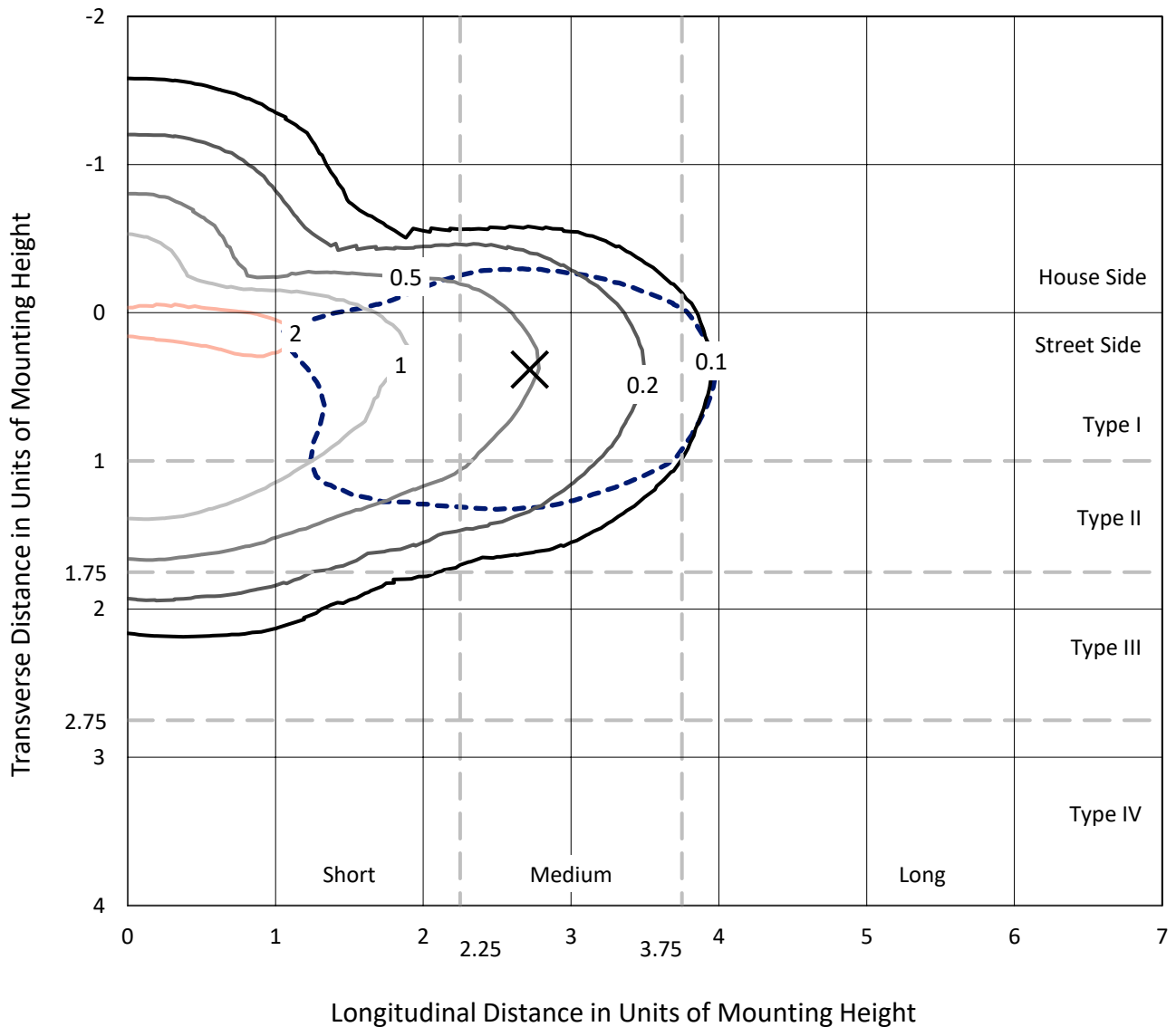
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

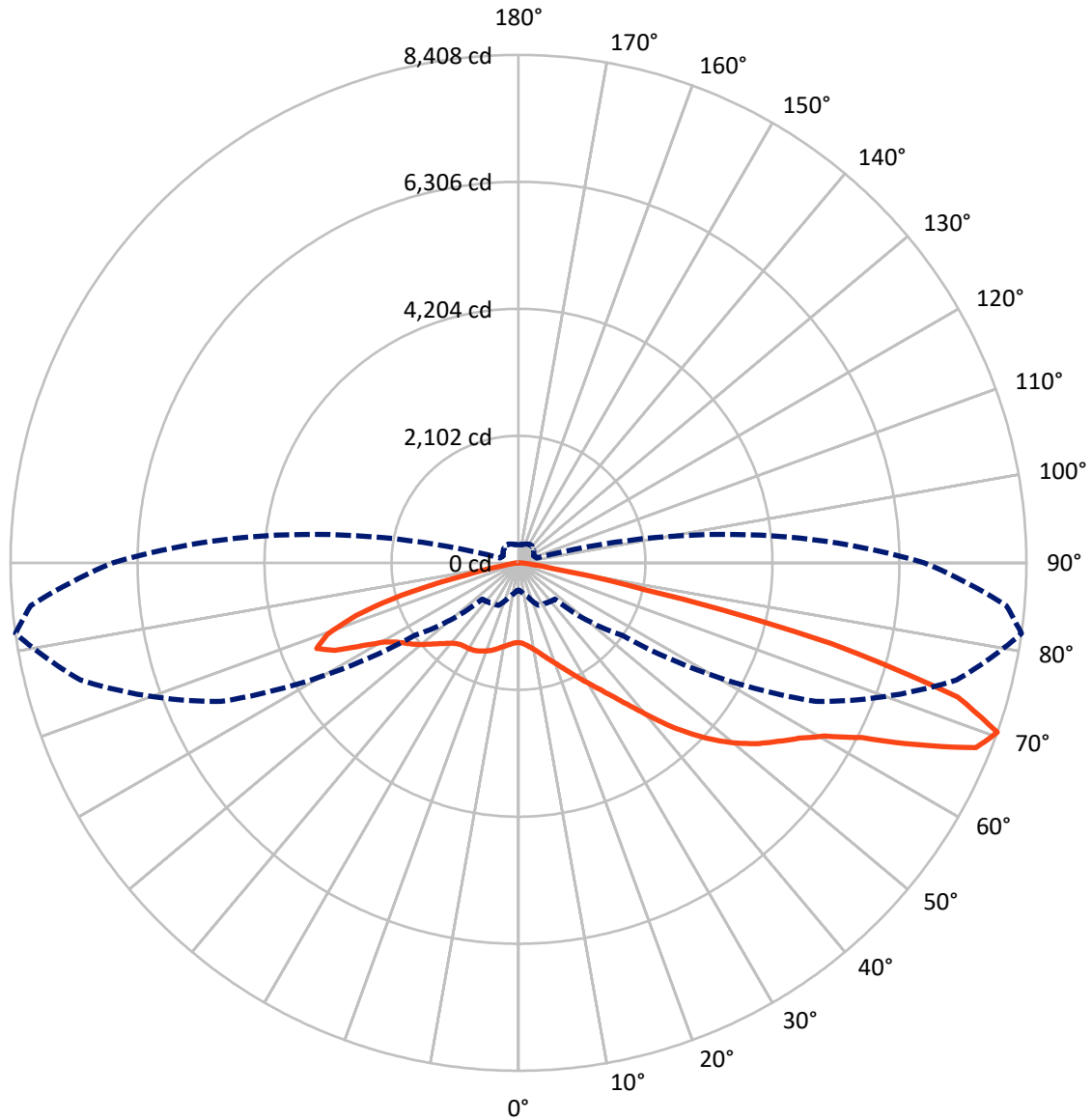
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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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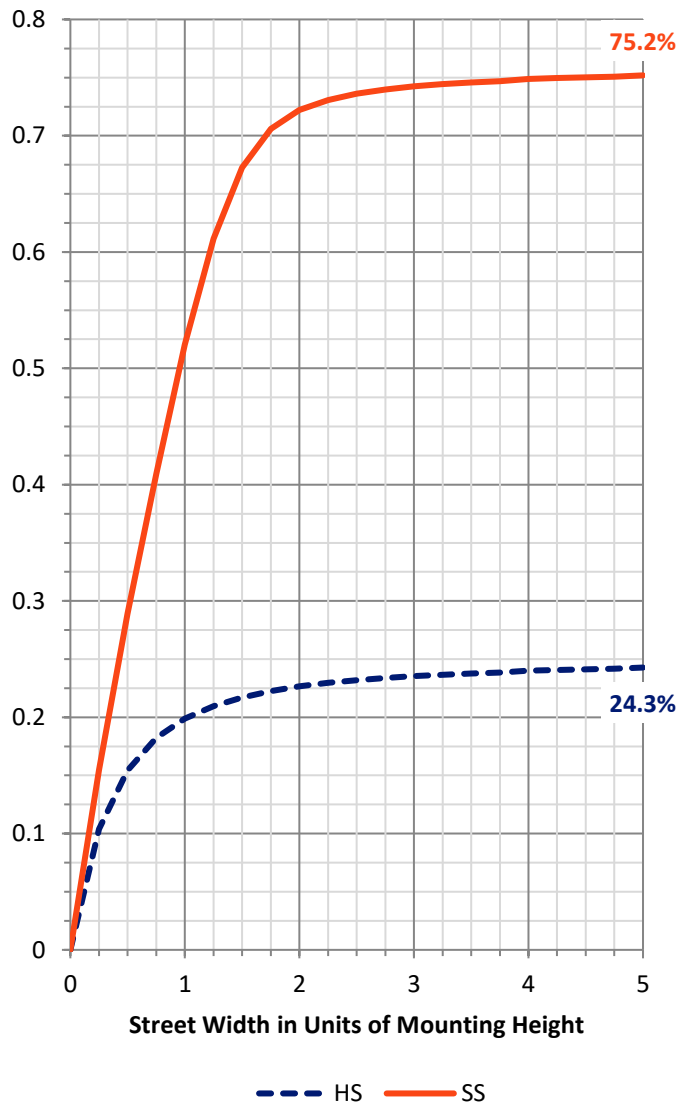
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2218.0	0.0	2218.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6779.0	0.0	6779.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	8997.0	0.0	8997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	1.4
10°-20°	357.8	4.0
20°-30°	598.6	6.7
30°-40°	935.2	10.4
40°-50°	1489.4	16.6
50°-60°	2072.6	23.0
60°-70°	2168.1	24.1
70°-80°	1133.1	12.6
80°-90°	117.7	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°	8997.0	100.0
0°-180°	8997.0	100.0

Coefficient of Utilization

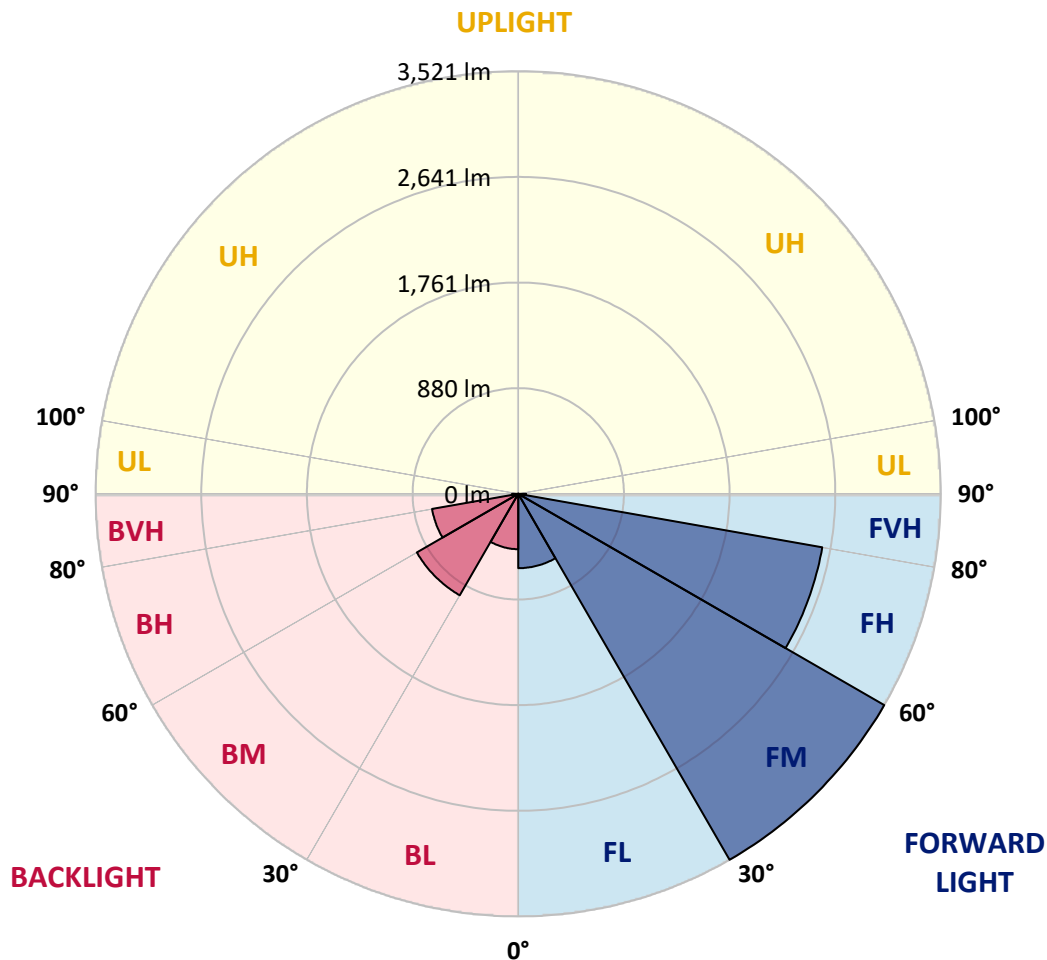


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	619.5	6.9			
FM (30°-60°)	3521.3	39.1			
FH (60°-80°)	2572.3	28.6			G2/5000
FVH (80°-90°)	65.9	0.7			G1/100
BL (0°-30°)	461.4	5.1	B1/500		
BM (30°-60°)	975.8	10.8	B1/1000		
BH (60°-80°)	728.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	51.8	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°	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1
2.5°	1350.6	1358.2	1355.8	1353.4	1353.4	1350.1	1349.6	1344.9	1341.0	1334.8
5°	1367.8	1375.9	1374.9	1376.8	1383.0	1384.5	1385.9	1383.0	1375.4	1367.8
7.5°	1352.5	1361.6	1364.4	1375.9	1395.0	1412.2	1425.1	1430.3	1423.1	1412.2
10°	1300.9	1311.0	1321.0	1348.2	1382.1	1422.7	1457.0	1477.6	1476.1	1465.6
12.5°	1196.4	1206.9	1228.4	1281.4	1343.4	1415.0	1479.0	1522.0	1536.8	1529.1
15°	1112.8	1121.9	1138.1	1192.6	1273.2	1382.1	1487.1	1570.7	1608.4	1604.1
17.5°	1110.4	1114.3	1124.3	1150.1	1212.1	1330.5	1478.5	1618.4	1690.5	1690.0
20°	1152.5	1153.9	1159.6	1164.9	1200.2	1291.4	1456.6	1658.0	1782.6	1782.6
22.5°	1210.7	1209.7	1215.5	1210.7	1227.9	1288.0	1442.7	1692.9	1885.3	1892.9
25°	1298.1	1293.3	1291.9	1280.9	1284.2	1319.1	1458.0	1732.5	2007.0	2022.8
27.5°	1414.6	1406.9	1401.7	1376.4	1367.8	1383.0	1504.8	1780.2	2142.6	2169.8
30°	1566.4	1552.5	1544.9	1501.0	1469.9	1472.3	1575.4	1843.7	2284.4	2328.3
32.5°	1773.6	1752.1	1731.6	1659.5	1602.7	1584.0	1666.6	1931.6	2438.1	2508.3
35°	2005.6	1988.4	1966.4	1855.2	1767.8	1724.9	1789.8	2054.3	2618.1	2729.3
37.5°	2229.0	2214.2	2224.7	2074.8	1962.1	1899.6	1951.2	2219.0	2840.1	3004.3
40°	2460.1	2448.6	2450.0	2306.8	2175.5	2105.4	2146.9	2425.7	3094.5	3331.3
42.5°	2711.2	2702.6	2674.0	2547.0	2399.4	2334.0	2372.2	2664.4	3367.6	3703.7
45°	2992.4	2987.1	2960.4	2814.8	2645.8	2572.3	2623.8	2927.9	3642.1	4054.1
47.5°	3235.4	3239.7	3236.3	3113.6	2938.4	2830.5	2892.1	3202.9	3897.5	4383.5
50°	3352.3	3374.8	3407.7	3369.5	3260.7	3150.9	3162.8	3468.4	4141.0	4692.4
52.5°	3291.2	3333.7	3423.5	3484.6	3526.6	3503.7	3471.7	3731.9	4370.2	4971.2
55°	3063.5	3123.2	3272.1	3419.7	3634.0	3800.6	3842.6	4024.1	4593.6	5216.6
57.5°	2648.6	2745.6	2879.2	3177.6	3538.5	3944.3	4275.2	4429.4	4830.4	5478.7
60°	1937.3	2067.2	2233.3	2677.3	3204.3	3867.5	4643.3	5051.9	5167.0	5818.1
62.5°	1239.8	1320.0	1472.8	1891.0	2496.8	3473.6	4755.9	5830.1	5737.5	6374.8
65°	848.8	900.4	1040.3	1275.2	1614.1	2585.6	4454.2	6413.5	6643.6	7257.0
67.5°	616.8	656.0	775.3	981.1	1051.7	1530.1	3456.4	6386.7	7524.4	8166.0
70°	449.7	477.4	577.7	775.3	809.2	851.2	2093.9	5429.1	7505.3	8407.6
72.5°	333.2	352.3	419.6	601.5	655.0	574.8	1036.4	3945.8	6449.3	7604.6
75°	241.1	255.4	305.1	460.2	524.2	437.8	517.0	2305.9	4498.6	5349.3
77.5°	184.3	195.3	227.7	337.0	419.6	328.5	320.8	1060.8	2133.0	2143.6
80°	148.0	155.2	172.8	237.3	321.8	245.9	209.1	428.2	674.1	570.5
82.5°	108.8	120.8	146.1	166.6	230.1	169.5	127.5	216.3	256.4	220.6
85°	62.1	70.2	88.3	119.4	147.0	103.6	73.0	96.0	119.4	97.9
87.5°	22.0	28.6	31.0	46.8	64.0	43.0	28.2	27.7	39.1	29.1
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°
1319.1	0°	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1
1333.4	2.5°	1328.6	1326.2	1316.7	1303.8	1290.4	1277.5	1273.2	1264.2	1258.0	1254.6
1364.4	5°	1355.4	1347.7	1325.3	1296.6	1266.6	1234.1	1211.2	1190.2	1174.9	1160.6
1406.9	7.5°	1393.5	1380.2	1341.5	1291.4	1237.9	1184.0	1143.9	1113.3	1092.8	1079.4
1456.6	10°	1437.9	1417.4	1358.2	1283.3	1200.7	1123.3	1076.1	1049.8	1036.9	1029.8
1513.4	12.5°	1489.0	1459.9	1375.4	1264.6	1143.9	1055.5	1023.1	1015.4	1015.9	1016.4
1585.0	15°	1552.0	1511.5	1389.3	1224.1	1069.9	1003.5	997.8	1010.2	1023.1	1029.3
1666.1	17.5°	1623.2	1565.9	1391.6	1157.2	997.3	970.1	988.2	1015.0	1034.5	1043.1
1756.9	20°	1699.6	1621.3	1374.5	1062.7	937.6	942.9	975.3	1009.7	1031.2	1042.2
1860.5	22.5°	1786.9	1680.5	1333.4	963.4	888.9	913.3	951.5	984.9	1007.3	1018.3
1982.2	25°	1886.7	1746.8	1268.9	879.9	846.9	879.9	918.1	945.7	963.9	973.9
2118.3	27.5°	1997.5	1816.1	1183.0	813.5	810.2	845.5	877.0	898.5	908.0	915.7
2262.9	30°	2108.7	1879.1	1078.9	763.4	778.2	811.6	834.0	843.6	846.4	847.9
2424.3	32.5°	2229.0	1933.5	969.6	721.8	747.6	778.6	792.0	796.3	782.9	773.9
2620.0	35°	2374.6	1991.7	862.7	688.9	717.5	744.3	748.6	744.8	729.0	710.4
2865.4	37.5°	2554.6	2064.3	777.2	665.5	689.4	707.0	701.8	700.8	702.3	680.3
3160.4	40°	2775.2	2158.8	714.7	647.4	666.5	670.3	655.5	663.6	670.8	637.3
3484.1	42.5°	3020.1	2272.9	675.1	634.9	647.4	638.3	615.4	624.4	623.5	579.6
3809.2	45°	3269.8	2397.1	661.2	625.9	629.7	611.6	586.3	588.6	568.6	529.0
4121.0	47.5°	3518.0	2530.3	669.8	618.2	607.7	587.2	567.6	557.1	527.5	497.9
4419.8	50°	3761.5	2670.1	701.3	603.0	577.7	565.7	551.4	532.8	501.3	476.0
4702.4	52.5°	3987.3	2811.0	736.6	577.7	539.9	547.1	538.0	516.6	485.5	459.7
4969.8	55°	4201.2	2951.8	750.5	542.8	504.6	530.9	525.6	486.0	448.8	427.8
5249.6	57.5°	4434.1	3121.3	735.2	498.4	476.0	512.3	492.2	448.3	426.8	411.0
5613.8	60°	4756.9	3387.2	702.3	443.5	448.8	484.6	450.2	432.1	408.7	391.0
6160.0	62.5°	5293.0	3883.2	649.3	389.1	416.8	443.5	430.1	412.0	388.1	370.9
7093.8	65°	6085.5	4572.6	549.5	346.6	381.0	403.4	408.7	390.5	365.7	347.6
7912.0	67.5°	6753.9	5005.1	415.8	311.3	344.2	370.9	385.7	368.1	341.8	324.2
8103.5	70°	6717.1	4691.0	317.5	276.4	311.7	339.0	358.1	344.2	316.0	299.3
7360.6	72.5°	5966.1	3924.3	256.8	241.1	278.8	305.5	328.5	318.0	289.3	273.1
5392.3	75°	4383.1	2785.7	205.3	205.3	237.7	270.7	296.0	289.3	263.1	251.6
2263.9	77.5°	1847.6	1168.7	160.9	170.4	197.6	232.5	264.0	266.4	243.5	257.8
598.7	80°	491.3	322.2	122.7	134.2	155.2	191.9	229.6	228.7	203.9	190.5
222.5	82.5°	187.1	127.0	87.4	94.5	112.2	147.0	181.9	187.6	162.8	140.8
87.4	85°	72.1	54.4	53.9	56.8	65.4	97.4	137.5	142.3	122.7	104.1
24.3	87.5°	18.6	16.2	20.1	19.1	30.1	52.0	78.8	81.6	75.0	43.4
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°
1319.1
1258.4
1166.3
1082.3
1031.7
1017.4
1028.8
1045.0
1045.0
1021.2
976.8
918.5
851.2
776.7
711.3
681.7
638.3
579.1
530.4
497.9
474.1
460.2
425.8
409.6
390.0
370.9
348.5
324.6
300.8
273.1
248.3
233.9
177.1
140.8
107.4
62.1
0.0

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