

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: P852083

Luminaire Tested: **GLAN-SB1B-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852083
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-SB1B-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4354 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

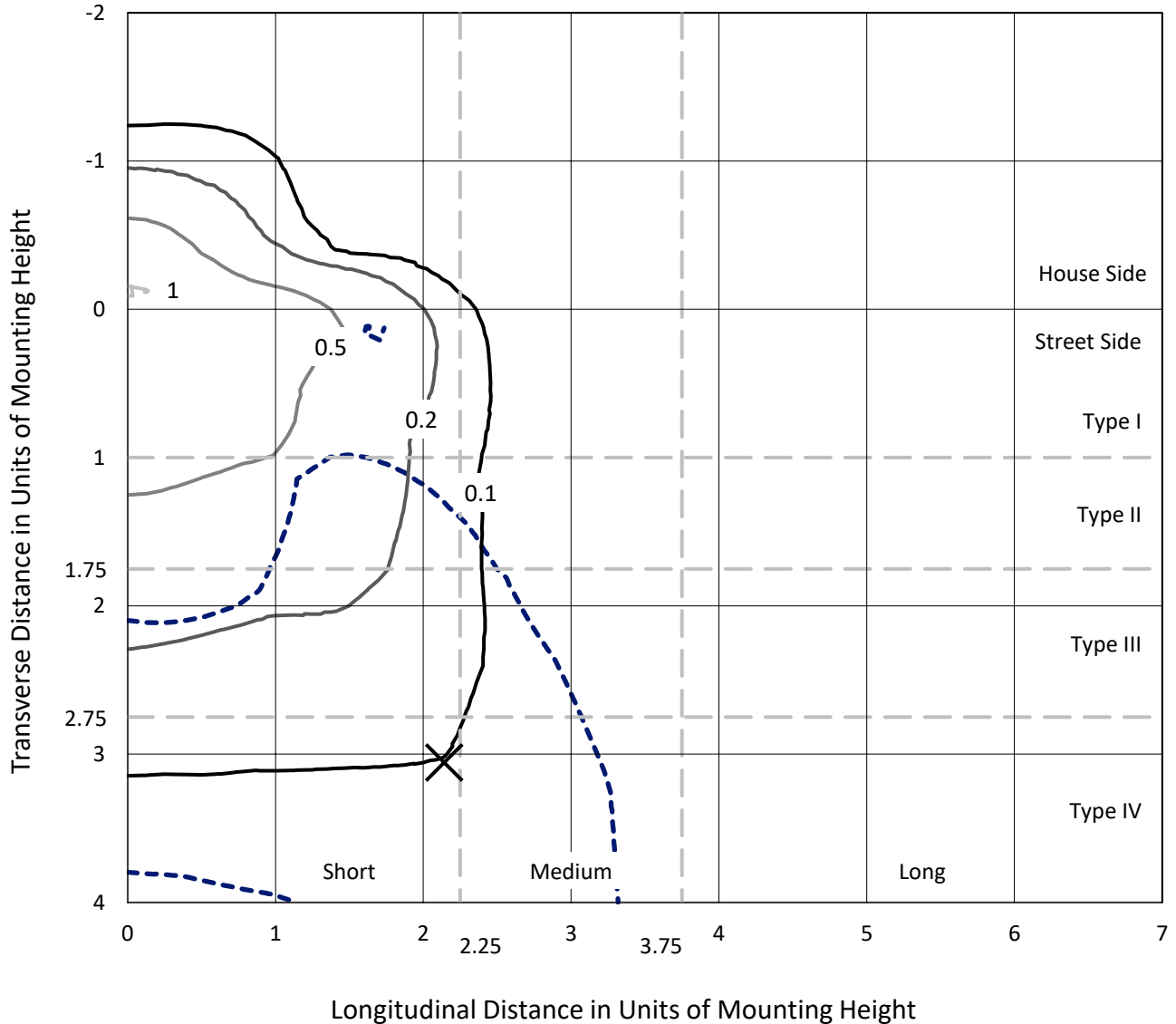
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

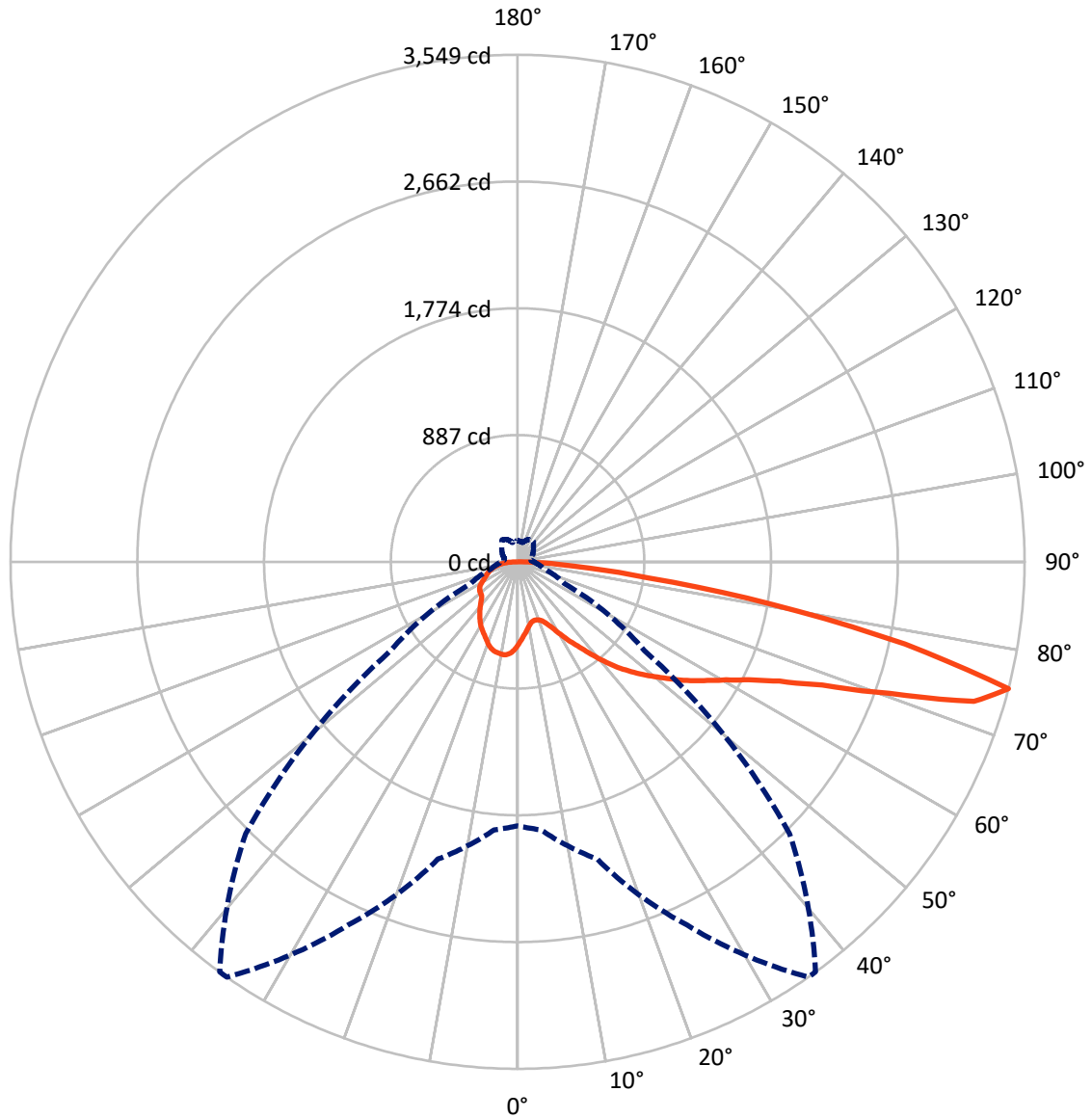
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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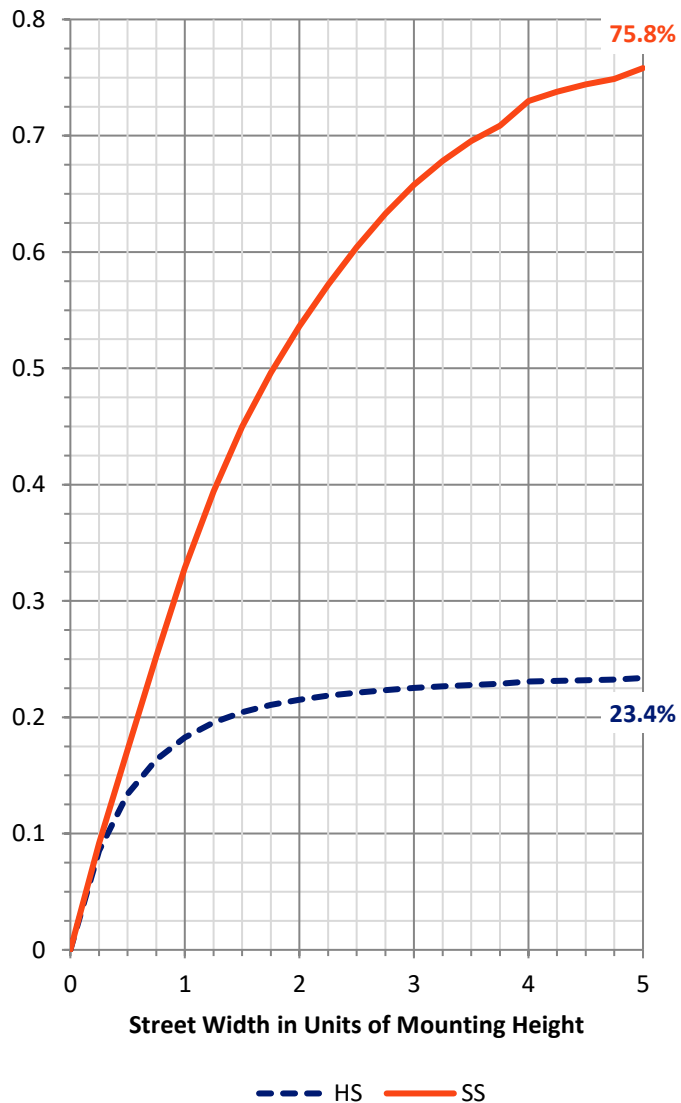
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1036.1	0.0	1036.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3317.9	0.0	3317.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	4354.0	0.0	4354.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	1.3
10°-20°	158.5	3.6
20°-30°	266.1	6.1
30°-40°	413.5	9.5
40°-50°	613.8	14.1
50°-60°	847.4	19.5
60°-70°	1028.1	23.6
70°-80°	849.6	19.5
80°-90°	122.2	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°	4354.0	100.0
0°-180°	4354.0	100.0

Coefficient of Utilization



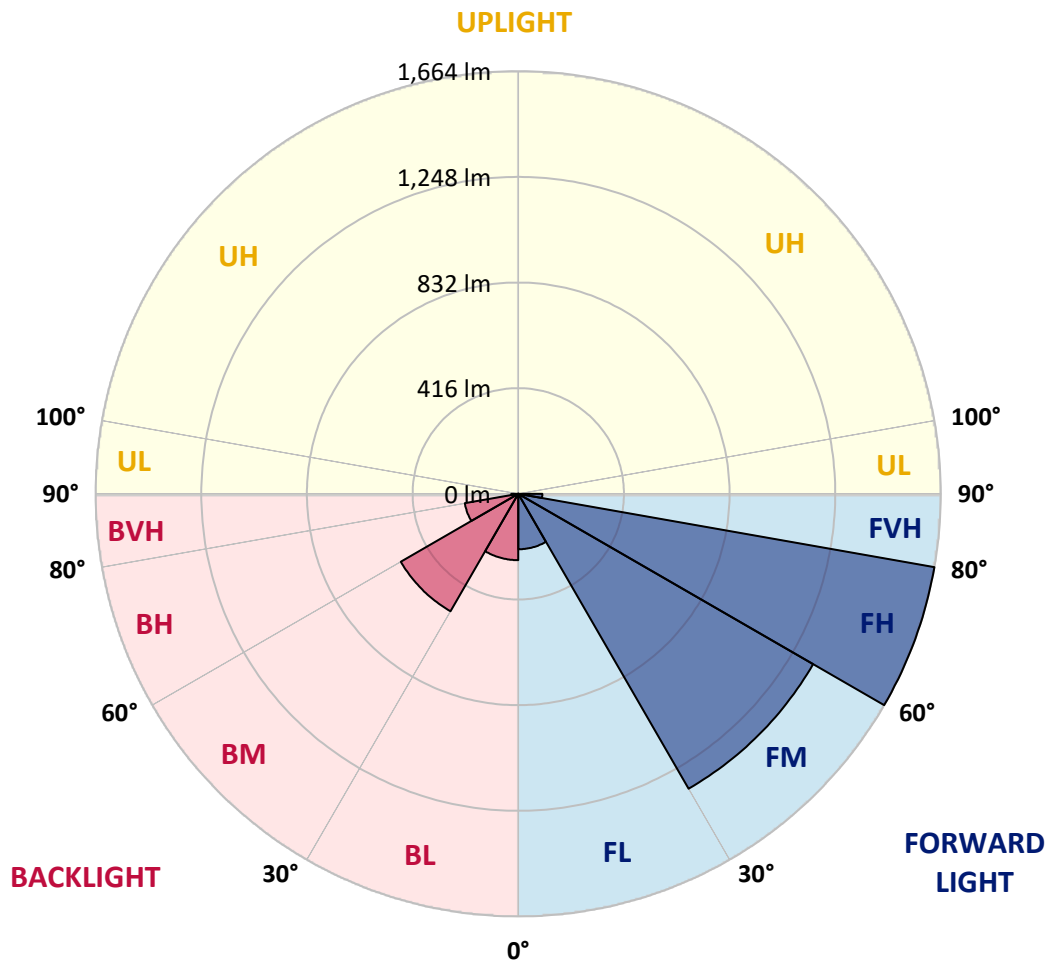
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.3	5.0			
FM	(30°-60°)	1340.8	30.8			
FH	(60°-80°)	1664.0	38.2			G1/1800
FVH	(80°-90°)	94.7	2.2			G1/100
BL	(0°-30°)	261.1	6.0	B1/500		
BM	(30°-60°)	533.9	12.3	B1/1000		
BH	(60°-80°)	213.6	4.9	B1/500		G1/500
BVH	(80°-90°)	27.5	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2
2.5°	535.0	538.3	539.7	539.0	542.5	542.1	547.0	553.1	561.6	569.8
5°	493.8	497.3	500.4	503.2	510.1	512.2	519.9	531.7	547.2	563.0
7.5°	455.5	458.5	463.2	468.4	479.9	482.0	495.0	513.4	535.0	558.1
10°	424.1	427.2	432.1	438.0	452.4	455.0	471.5	495.9	524.2	553.4
12.5°	410.7	411.7	414.5	420.4	432.9	434.5	452.6	480.6	513.6	549.8
15°	410.0	411.9	412.1	415.2	425.6	426.3	443.0	470.8	507.0	549.1
17.5°	417.1	418.5	416.4	418.3	427.0	428.1	441.3	466.0	504.9	552.2
20°	435.9	437.1	430.7	428.1	434.5	435.4	448.4	469.1	507.0	558.5
22.5°	475.9	476.6	461.1	450.5	451.0	451.4	462.7	481.6	515.2	570.1
25°	538.3	537.8	513.1	492.6	480.9	478.3	485.8	501.8	529.1	585.4
27.5°	611.3	607.7	583.0	552.4	526.8	523.0	521.4	528.2	548.9	605.6
30°	693.7	690.4	663.8	623.7	588.2	582.1	566.5	563.0	578.3	633.2
32.5°	784.0	781.9	750.1	701.7	654.1	647.0	620.9	611.5	623.5	674.8
35°	859.8	857.9	831.6	781.7	723.5	714.8	688.2	677.6	683.8	728.3
37.5°	928.3	927.4	904.8	865.5	805.5	794.9	765.0	761.4	760.3	798.6
40°	991.9	989.5	966.0	945.3	900.8	891.1	864.8	861.7	852.8	885.2
42.5°	1062.2	1056.1	1022.0	1012.3	1000.3	992.3	976.6	977.0	957.3	982.9
45°	1119.7	1116.1	1081.1	1075.4	1088.4	1085.1	1098.7	1102.3	1063.9	1085.3
47.5°	1181.3	1178.1	1148.4	1144.4	1179.5	1180.4	1228.7	1229.8	1167.9	1191.7
50°	1257.4	1252.7	1223.2	1228.2	1267.5	1271.0	1359.3	1351.3	1263.7	1299.7
52.5°	1307.5	1310.3	1304.0	1312.0	1365.6	1368.9	1487.8	1467.3	1358.6	1406.4
55°	1344.5	1350.1	1369.9	1388.2	1469.2	1472.5	1609.0	1577.7	1437.2	1505.2
57.5°	1392.0	1384.0	1421.0	1456.7	1567.6	1576.3	1726.9	1684.1	1506.9	1590.4
60°	1460.3	1454.6	1483.3	1536.3	1677.8	1691.6	1851.7	1779.9	1557.9	1658.0
62.5°	1598.7	1584.5	1589.0	1635.9	1816.6	1835.0	1992.5	1863.5	1583.4	1684.3
65°	1805.6	1781.3	1758.7	1791.2	2012.2	2030.3	2151.3	1929.1	1574.0	1633.3
67.5°	2066.1	2042.1	2014.3	2044.9	2300.3	2314.7	2347.4	1966.1	1499.8	1436.5
70°	2281.0	2272.1	2305.3	2431.2	2760.5	2761.0	2598.8	1935.5	1296.7	1018.5
72.5°	2252.5	2247.1	2422.0	2811.3	3340.4	3328.0	2836.7	1703.9	873.5	459.5
75°	1847.9	1883.0	2153.9	2804.5	3548.8	3547.1	2691.0	1083.2	361.3	190.4
77.5°	990.9	1046.5	1398.4	2070.6	2770.4	2812.0	1891.9	379.0	155.1	121.9
80°	323.2	371.7	557.4	1054.2	1800.1	1792.4	810.9	148.8	106.2	86.4
82.5°	137.2	142.9	249.0	497.8	923.8	909.5	258.2	85.4	74.6	59.1
85°	53.7	60.0	109.9	230.2	400.1	391.4	93.2	42.4	47.8	38.6
87.5°	17.7	21.4	39.3	78.9	124.5	120.0	22.8	14.6	20.7	17.7
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°
580.2	0°	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2
581.8	2.5°	585.1	588.9	593.4	600.0	605.6	610.3	615.3	618.3	619.5	623.0
582.8	5°	589.4	597.6	608.7	619.5	630.1	636.5	642.1	644.9	647.5	649.4
585.4	7.5°	596.4	607.0	624.5	638.6	647.5	652.7	656.5	655.5	656.5	656.9
588.2	10°	602.6	617.4	638.1	651.5	658.3	658.6	657.6	654.3	652.7	652.9
592.4	12.5°	609.9	626.3	648.7	660.0	661.9	656.7	652.7	647.0	644.9	644.0
598.8	15°	619.7	638.6	660.2	664.5	659.8	653.2	646.3	637.2	632.5	628.7
609.6	17.5°	631.7	652.5	669.2	666.1	656.0	645.2	634.1	620.2	610.6	606.6
624.5	20°	648.5	667.1	676.0	662.6	647.3	630.8	612.0	595.0	586.1	582.1
643.3	22.5°	668.7	686.6	682.6	656.5	634.8	608.4	584.9	572.4	568.0	565.1
667.5	25°	692.9	708.2	687.3	647.5	614.3	578.8	560.7	556.7	554.5	552.4
697.2	27.5°	724.5	732.7	690.8	634.3	582.3	547.2	540.7	541.4	540.7	537.1
738.4	30°	766.1	764.5	694.1	612.9	545.6	518.8	519.2	522.3	522.8	520.4
795.8	32.5°	821.0	804.3	695.8	585.1	510.5	493.8	494.3	497.6	499.9	495.9
870.9	35°	887.4	850.6	693.2	550.3	483.5	470.0	466.5	467.5	468.2	464.4
962.0	37.5°	964.8	902.7	681.6	511.7	461.1	446.7	439.2	432.9	429.1	425.6
1065.1	40°	1049.8	959.4	660.5	474.0	436.2	422.0	410.7	398.7	386.0	381.3
1174.3	42.5°	1138.7	1017.8	634.8	438.0	407.4	395.9	383.9	366.5	347.4	337.8
1287.7	45°	1231.0	1077.5	609.6	402.5	378.0	373.1	359.2	338.2	317.5	305.3
1401.4	47.5°	1321.4	1134.0	572.7	366.7	350.5	355.9	345.1	325.8	302.7	283.4
1514.2	50°	1407.8	1187.0	512.2	330.5	328.1	350.7	340.4	312.6	286.2	261.5
1624.8	52.5°	1493.5	1229.8	434.7	297.5	316.1	349.3	334.2	303.6	271.4	245.5
1728.8	55°	1566.2	1252.0	360.1	269.3	298.7	337.3	326.9	293.0	250.4	222.9
1800.1	57.5°	1607.6	1234.1	298.0	241.5	274.7	317.5	314.5	270.4	225.5	204.3
1814.0	60°	1589.7	1161.6	247.1	217.3	251.9	296.1	292.8	248.1	206.4	186.4
1739.7	62.5°	1491.1	1023.4	206.9	196.1	231.1	274.2	271.2	230.9	191.8	172.5
1542.2	65°	1292.4	832.5	175.6	178.4	210.2	247.9	252.3	216.5	180.3	161.5
1193.1	67.5°	985.8	603.0	151.1	163.1	189.7	222.0	234.9	206.2	170.6	152.8
690.4	70°	561.8	342.5	130.4	148.3	171.6	198.0	221.5	198.0	160.3	145.5
258.7	72.5°	213.0	157.2	112.7	133.5	154.2	177.7	206.7	185.0	148.3	137.2
133.7	75°	113.7	95.8	94.9	116.0	134.2	157.9	188.1	172.3	139.3	145.0
92.5	77.5°	77.4	67.8	79.3	99.3	112.3	136.0	168.3	153.0	120.7	120.3
64.0	80°	53.7	48.0	64.5	80.0	86.9	114.4	146.9	131.3	98.4	91.8
39.5	82.5°	32.2	31.3	48.3	59.8	61.4	88.3	121.7	110.2	80.5	70.1
23.5	85°	17.7	18.6	30.8	35.1	35.8	61.7	95.3	85.2	61.9	52.0
8.5	87.5°	4.9	6.4	11.3	13.9	17.2	32.0	56.7	50.6	31.1	21.7
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

<u>180°</u>
580.2
622.8
649.9
657.6
653.4
643.5
629.9
606.8
581.6
565.6
552.4
537.8
521.6
497.8
467.0
427.9
383.4
338.9
304.3
281.3
259.4
242.7
220.5
201.5
183.6
169.5
158.4
149.9
143.6
135.3
149.7
110.9
87.8
70.6
52.5
21.7
0.0

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