

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: P845883

Luminaire Tested: **GLAN-SB1B-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5394 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

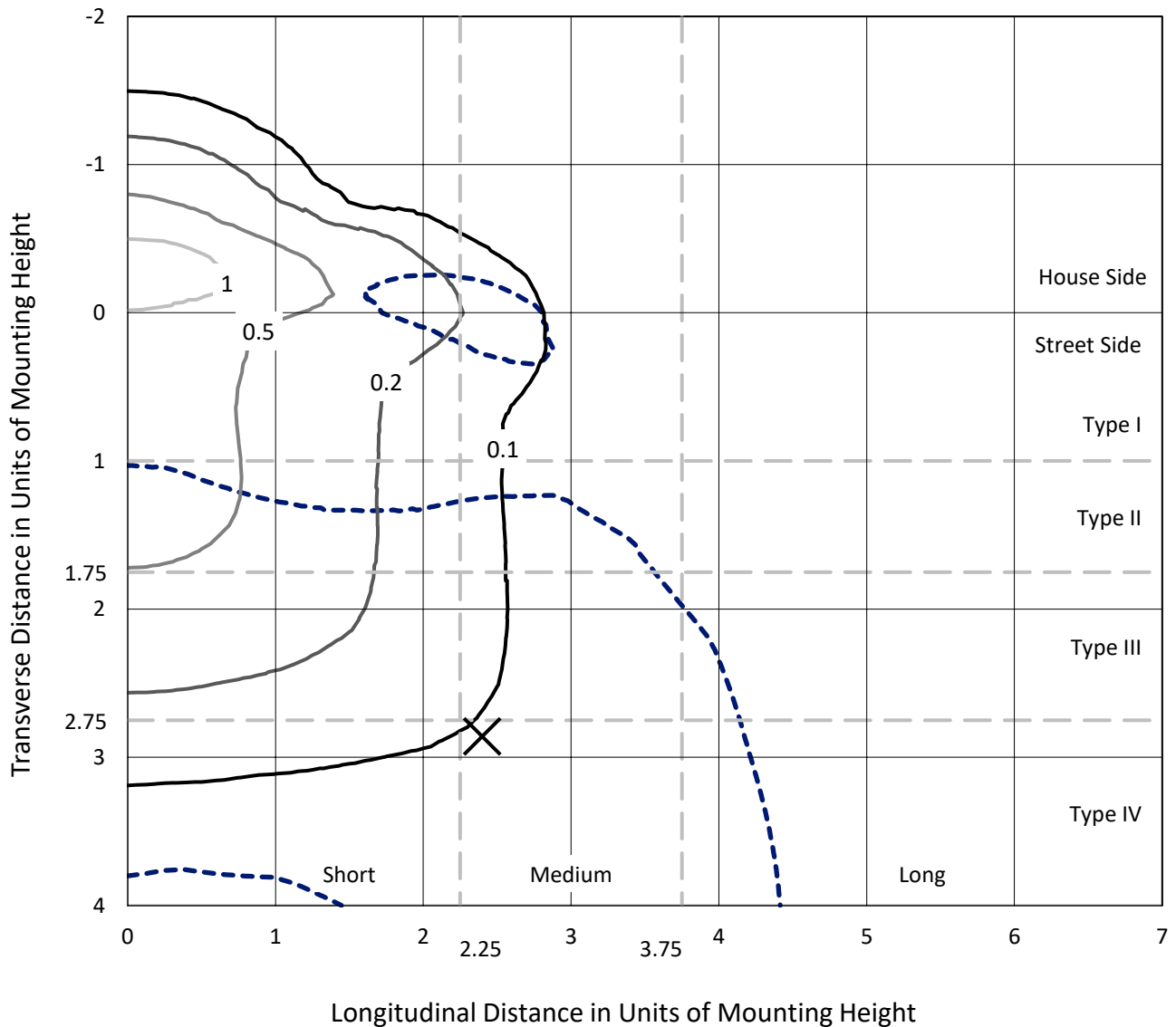
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

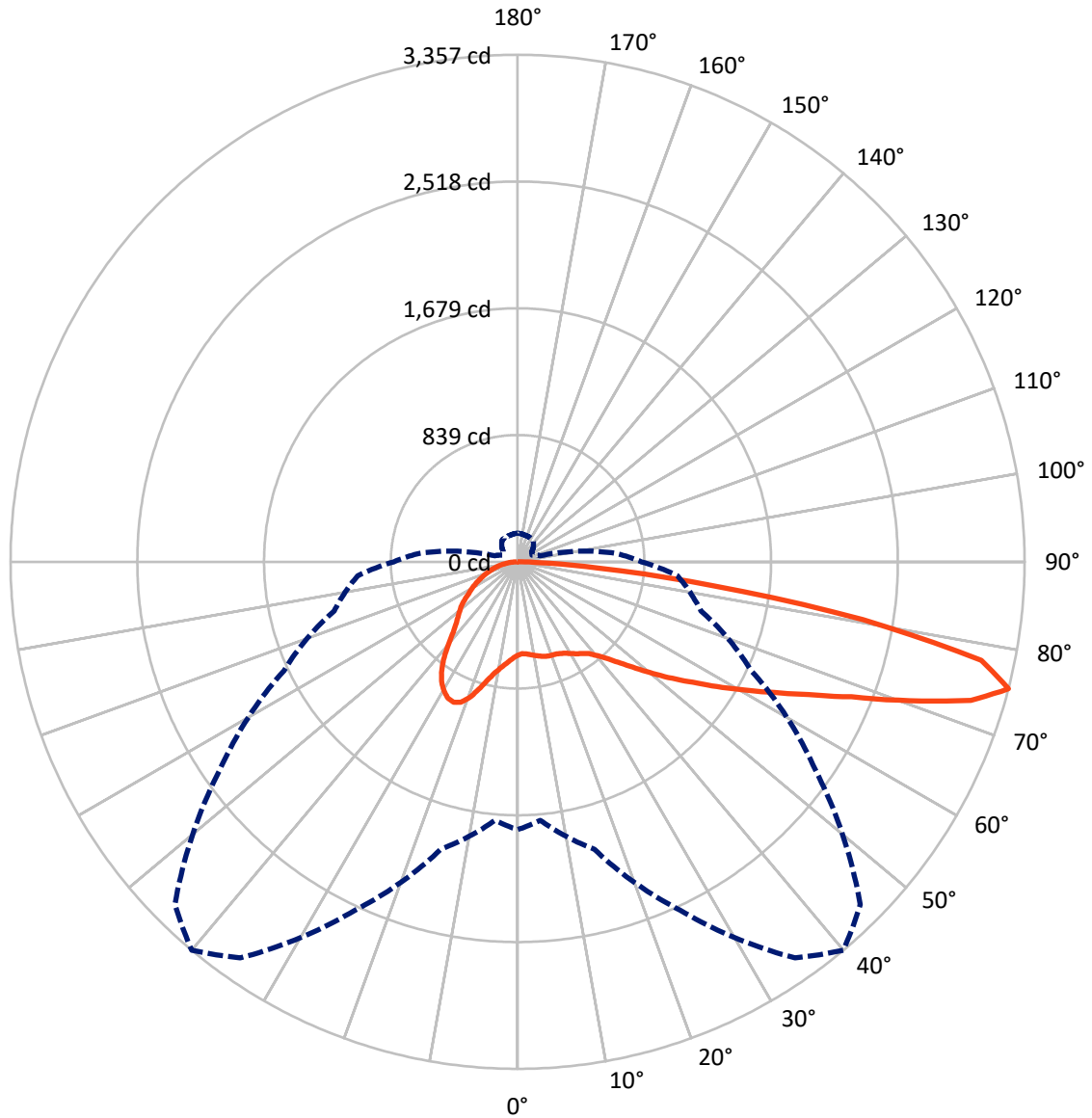
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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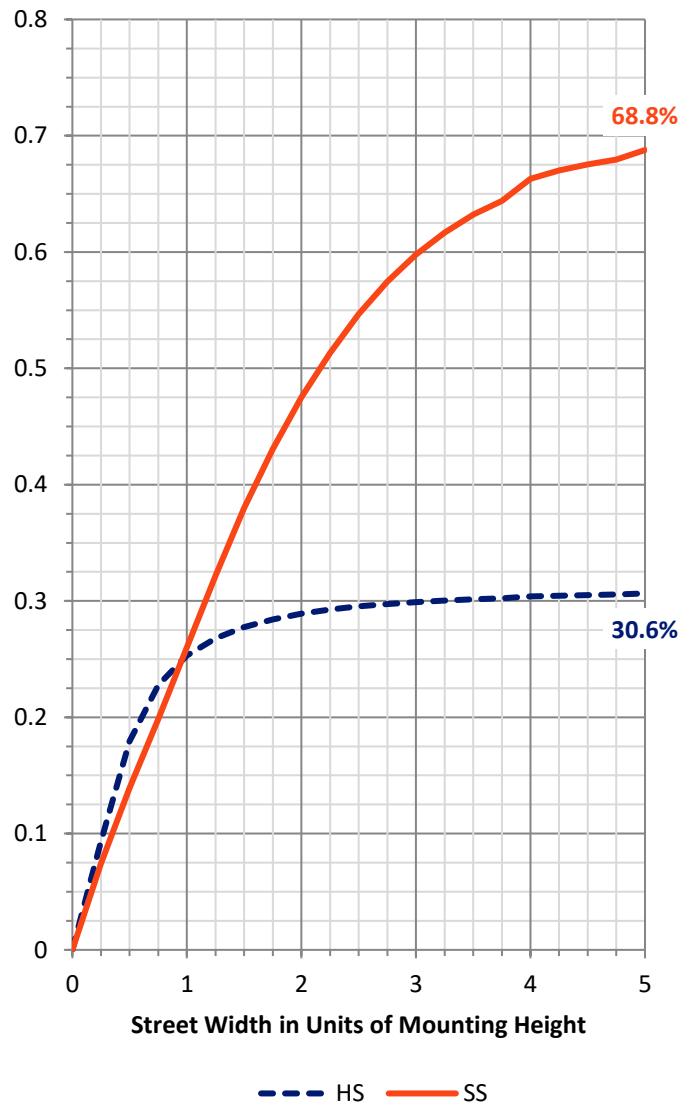
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1671.2	0.0	1671.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3722.8	0.0	3722.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	5394.0	0.0	5394.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	1.1
10°-20°	206.7	3.8
20°-30°	377.4	7.0
30°-40°	535.3	9.9
40°-50°	722.9	13.4
50°-60°	972.4	18.0
60°-70°	1234.2	22.9
70°-80°	1120.1	20.8
80°-90°	163.3	3.0
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°	5394.0	100.0
0°-180°	5394.0	100.0

Coefficient of Utilization

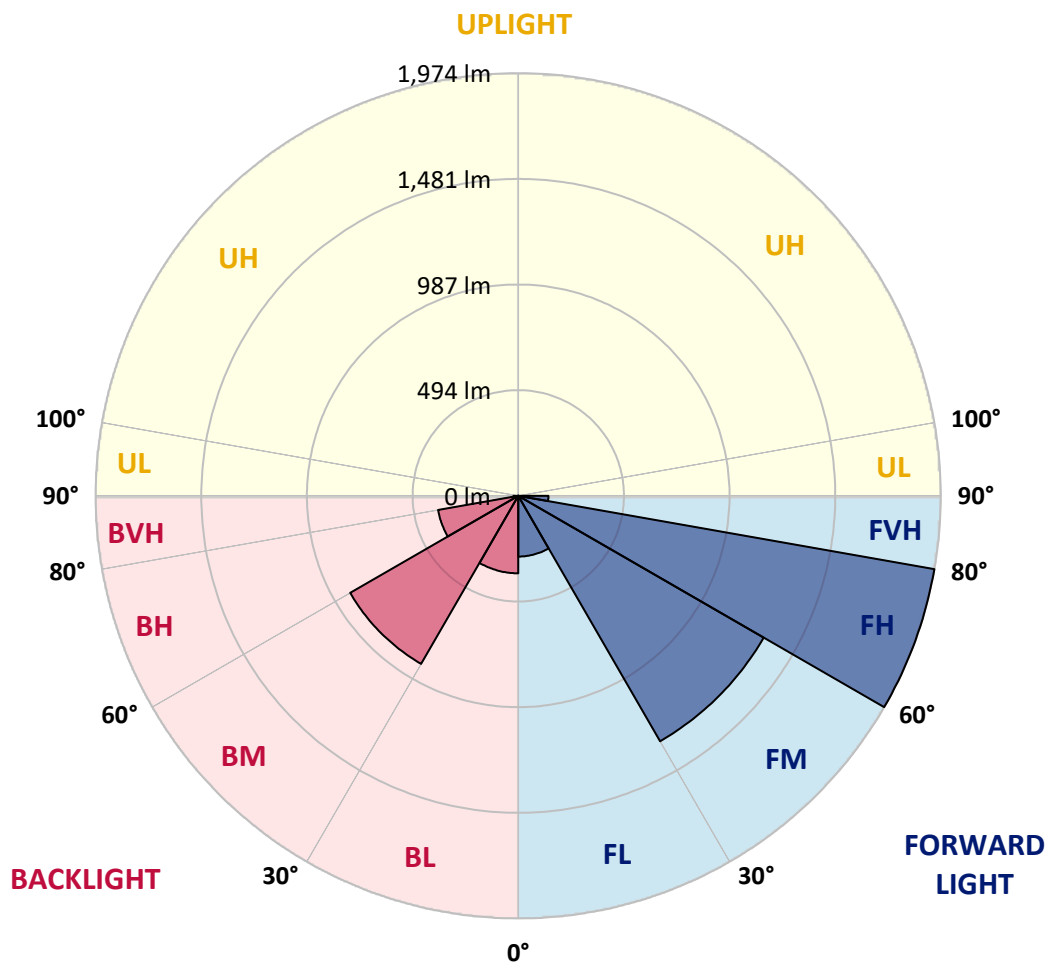


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.7	5.3			
FM (30°-60°)	1324.1	24.5			
FH (60°-80°)	1974.1	36.6			G2/5000
FVH (80°-90°)	140.8	2.6			G2/225
BL (0°-30°)	362.0	6.7	B1/500		
BM (30°-60°)	906.5	16.8	B1/1000		
BH (60°-80°)	380.3	7.0	B1/500		G1/500
BVH (80°-90°)	22.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8
2.5°	607.4	610.8	609.9	608.8	608.8	609.1	608.8	610.8	612.8	614.8
5°	613.7	617.1	615.4	614.0	612.8	612.5	611.7	611.4	612.5	615.1
7.5°	626.0	629.4	626.8	624.2	622.0	620.8	619.7	618.0	617.1	618.5
10°	639.7	643.1	640.0	635.4	631.7	630.3	629.1	627.4	626.3	627.1
12.5°	653.4	656.9	652.6	646.3	641.4	640.6	639.1	638.6	638.3	638.0
15°	666.3	669.2	663.7	656.3	651.1	649.7	648.3	649.1	650.6	652.3
17.5°	676.3	679.2	671.2	661.4	656.6	656.0	655.1	658.0	662.0	666.3
20°	685.5	688.3	678.0	664.9	659.2	659.2	659.4	665.4	671.2	677.5
22.5°	698.3	700.6	688.0	670.0	661.7	662.3	664.6	670.6	677.7	686.3
25°	717.5	719.2	703.8	679.8	670.3	672.0	674.0	676.9	683.8	693.8
27.5°	748.4	749.8	729.5	696.9	682.6	685.5	688.3	686.3	689.5	698.1
30°	791.9	792.8	767.0	723.8	703.5	704.9	705.5	697.2	691.2	698.1
32.5°	843.4	843.1	812.5	756.4	727.2	725.8	720.9	704.6	690.6	696.6
35°	923.2	920.1	880.6	802.2	754.1	745.3	733.8	712.9	693.5	695.2
37.5°	1055.4	1045.7	991.0	877.2	794.2	771.6	754.7	726.4	699.8	694.6
40°	1204.4	1192.1	1132.1	979.9	854.3	817.9	790.8	745.6	710.1	697.2
42.5°	1381.2	1363.8	1299.1	1100.9	930.4	877.7	836.8	769.9	725.2	705.5
45°	1598.4	1575.2	1483.7	1237.3	1026.2	956.1	901.5	806.8	748.4	721.5
47.5°	1817.8	1823.5	1693.4	1393.5	1141.2	1052.8	982.4	862.3	782.2	747.3
50°	2051.0	2055.0	1901.9	1566.6	1271.7	1162.1	1073.4	924.4	829.1	783.9
52.5°	2232.9	2233.5	2091.3	1747.7	1407.6	1282.3	1171.5	995.3	883.4	832.5
55°	2346.8	2345.4	2224.1	1919.1	1563.8	1408.4	1280.3	1076.0	949.8	889.7
57.5°	2429.5	2425.2	2315.6	2066.4	1730.3	1557.5	1403.3	1167.5	1028.2	957.8
60°	2461.0	2458.4	2377.7	2193.7	1905.4	1722.3	1545.2	1270.0	1117.2	1038.2
62.5°	2473.0	2477.8	2438.6	2317.0	2092.8	1904.8	1701.1	1392.4	1217.3	1129.2
65°	2515.3	2524.2	2516.2	2478.4	2304.5	2118.5	1907.9	1538.0	1326.6	1226.8
67.5°	2599.1	2608.0	2611.4	2671.5	2563.1	2384.9	2166.0	1719.4	1454.5	1328.0
70°	2597.1	2594.6	2655.2	2825.1	2886.9	2753.6	2513.9	1942.6	1607.0	1412.1
72.5°	2364.0	2343.4	2486.7	2823.4	3156.4	3138.7	2938.7	2230.4	1738.6	1422.4
75°	1773.5	1718.5	1971.7	2544.5	3201.4	3357.3	3208.8	2408.9	1707.4	1256.8
77.5°	758.4	703.2	1001.6	1883.6	2865.2	3138.4	2961.0	2101.6	1362.9	831.1
80°	198.5	198.3	302.7	854.0	1948.6	2317.6	2033.2	1357.2	778.7	297.0
82.5°	82.1	80.1	111.3	332.2	952.1	1300.6	1061.4	605.4	281.2	80.4
85°	30.6	30.3	54.1	114.7	335.9	536.4	388.2	154.8	70.1	39.2
87.5°	8.6	8.3	11.7	39.8	81.8	124.2	66.4	25.5	19.7	15.4
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°
616.8	0°	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8
618.0	2.5°	618.8	620.2	622.8	624.8	627.4	630.3	634.3	636.8	639.4	641.1
619.4	5°	621.4	624.5	631.1	637.7	645.4	652.6	660.9	666.9	671.7	673.2
624.5	7.5°	627.1	632.3	643.4	654.6	666.9	678.6	690.6	700.9	709.2	712.4
633.7	10°	637.1	644.0	659.7	675.5	691.8	709.8	725.2	740.1	751.8	756.7
644.6	12.5°	649.7	658.3	678.9	700.6	723.2	748.1	768.2	786.5	801.1	807.6
659.7	15°	666.0	677.2	703.5	732.7	765.9	800.5	825.9	846.3	862.6	870.6
675.5	17.5°	683.8	698.6	731.8	775.9	823.4	868.9	898.6	913.5	930.4	938.1
690.1	20°	700.9	719.2	766.7	830.8	894.0	942.4	966.4	970.4	971.6	972.4
703.8	22.5°	718.7	743.3	810.5	900.0	967.8	1001.3	1004.7	987.6	963.6	952.4
717.2	25°	738.1	770.7	867.7	976.4	1031.4	1035.4	1009.0	967.3	921.8	900.9
728.1	27.5°	757.0	802.5	936.4	1049.4	1077.1	1041.9	985.3	926.1	871.1	849.1
735.8	30°	775.9	838.8	1012.2	1113.2	1098.0	1025.6	947.8	881.7	826.5	803.3
742.7	32.5°	795.0	881.2	1099.4	1159.2	1094.3	991.0	901.2	832.0	783.3	759.0
748.7	35°	816.8	933.2	1182.1	1184.4	1069.4	940.1	839.7	772.4	730.1	710.6
755.9	37.5°	845.1	999.3	1255.1	1190.7	1025.9	865.4	763.3	702.1	667.2	658.3
766.4	40°	880.3	1078.8	1310.9	1180.7	961.6	774.7	679.8	630.8	611.1	613.1
780.7	42.5°	926.1	1167.8	1350.1	1154.9	872.0	681.2	606.5	584.8	594.2	602.2
802.2	45°	985.6	1260.2	1374.4	1111.2	770.7	601.9	563.3	568.5	575.6	576.5
836.8	47.5°	1061.7	1353.8	1390.4	1045.1	667.4	546.1	535.8	537.0	535.6	529.6
888.6	50°	1156.7	1444.8	1404.7	957.5	579.6	511.2	497.5	493.5	473.8	454.3
957.5	52.5°	1264.8	1528.3	1410.7	848.8	511.2	482.1	459.7	434.6	397.7	391.7
1044.2	55°	1385.0	1605.5	1395.3	715.2	453.7	444.6	410.8	380.5	376.5	371.3
1158.4	57.5°	1528.6	1688.8	1363.8	566.2	394.8	400.8	367.9	371.3	364.2	356.2
1305.1	60°	1685.6	1774.9	1308.6	430.3	333.9	346.2	356.8	356.5	354.5	347.9
1459.9	62.5°	1827.0	1831.6	1199.9	329.6	280.4	303.8	332.7	332.4	330.7	327.0
1621.6	65°	1911.1	1823.0	1018.5	259.5	236.3	268.9	300.1	302.4	302.7	302.4
1743.1	67.5°	1896.2	1722.6	769.6	206.6	200.0	233.4	267.8	270.9	273.2	273.8
1758.6	70°	1728.0	1502.0	501.8	164.8	167.6	202.3	237.2	240.3	242.3	244.6
1526.0	72.5°	1346.9	1104.3	287.2	133.3	139.3	175.4	206.8	210.6	211.7	216.0
1062.0	75°	820.8	649.4	155.1	105.0	114.4	149.9	176.8	181.1	183.1	188.2
521.5	77.5°	390.2	281.2	88.4	81.8	92.1	122.4	149.3	154.2	148.8	151.6
143.9	80°	131.9	104.4	55.8	62.4	70.4	95.6	119.6	124.4	113.0	112.4
47.8	82.5°	46.1	42.3	35.5	41.5	45.5	68.4	90.4	96.7	84.1	83.8
21.5	85°	18.0	17.2	19.7	22.6	27.2	42.1	59.5	62.7	51.8	41.8
6.3	87.5°	3.7	4.0	4.9	5.1	8.3	14.6	21.5	26.3	20.9	17.7
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>
616.8
640.0
673.7
712.7
757.0
807.6
870.0
937.8
974.7
955.5
904.0
851.7
805.9
762.1
714.9
664.6
620.0
609.7
582.2
534.1
456.9
393.7
372.2
354.8
345.6
325.6
302.4
274.4
245.8
217.7
188.8
149.3
111.3
79.8
41.2
16.3
0.0

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