

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: P845998

Luminaire Tested: **GLAN-SB1B-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845998
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-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3803 lumens
Efficiency: N/A
Efficacy: 95.6 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

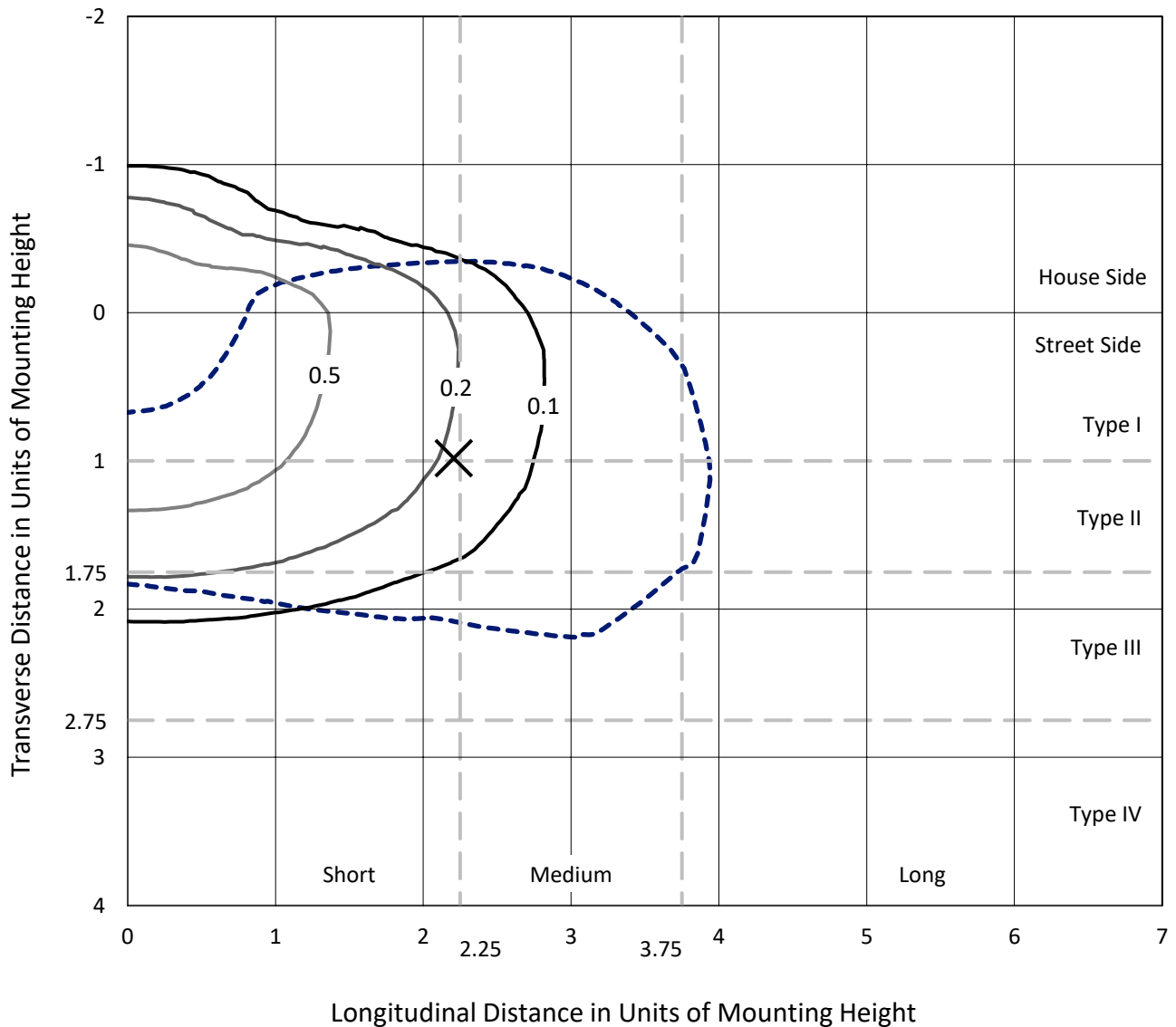
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

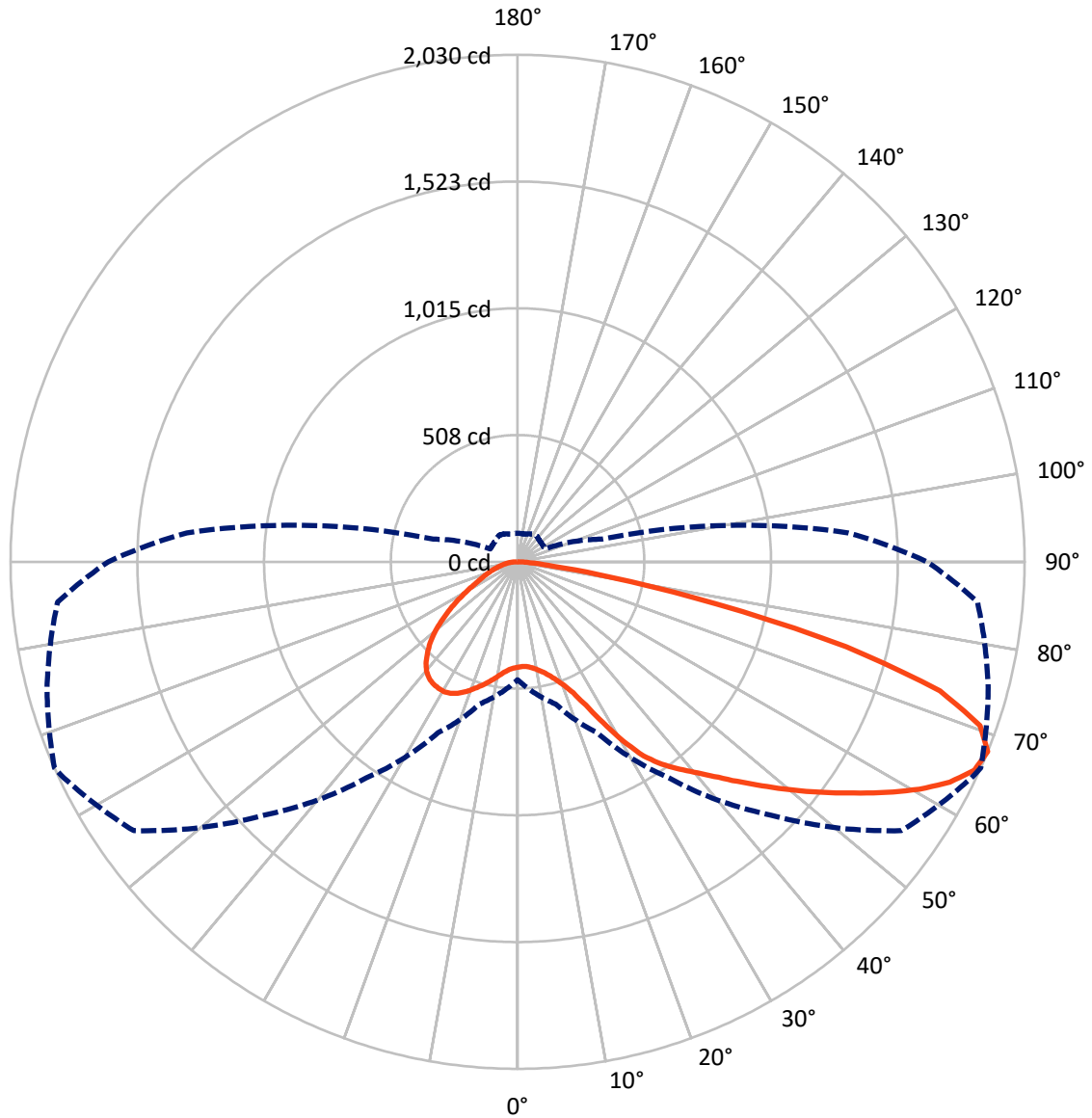
× Max cd
 - - - 1/2 Max cd



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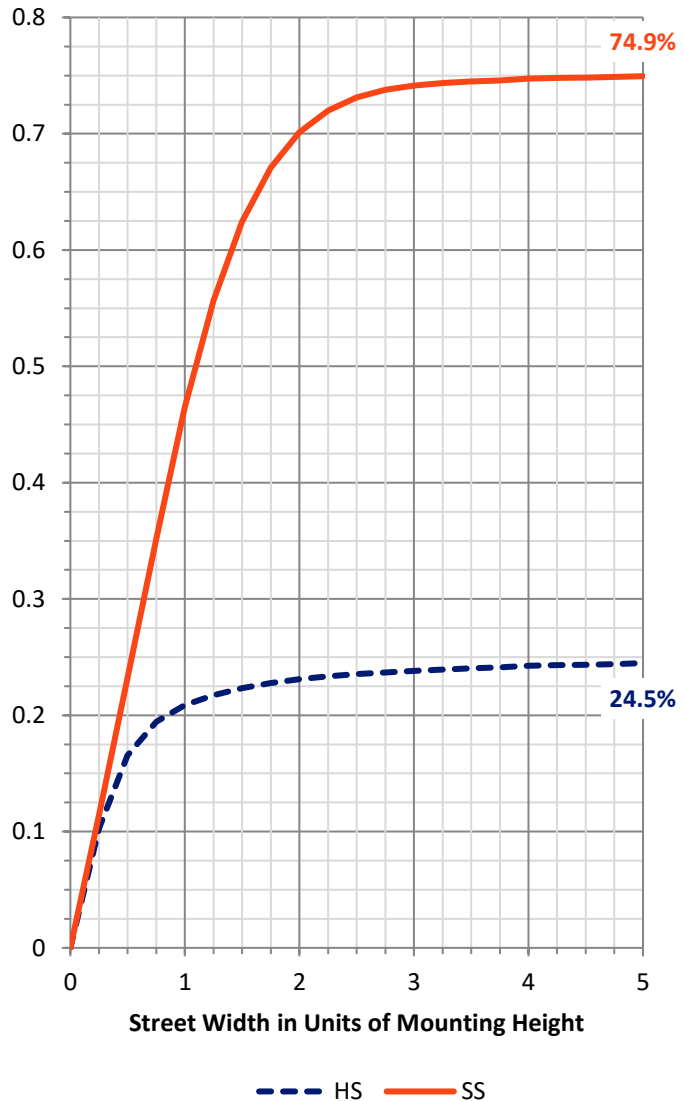
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.6	0.0	945.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	2857.4	0.0	2857.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	3803.0	0.0	3803.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	1.1
10°-20°	138.2	3.6
20°-30°	266.3	7.0
30°-40°	466.9	12.3
40°-50°	694.2	18.3
50°-60°	880.0	23.1
60°-70°	861.0	22.6
70°-80°	410.7	10.8
80°-90°	43.9	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°	3803.0	100.0
0°-180°	3803.0	100.0

Coefficient of Utilization



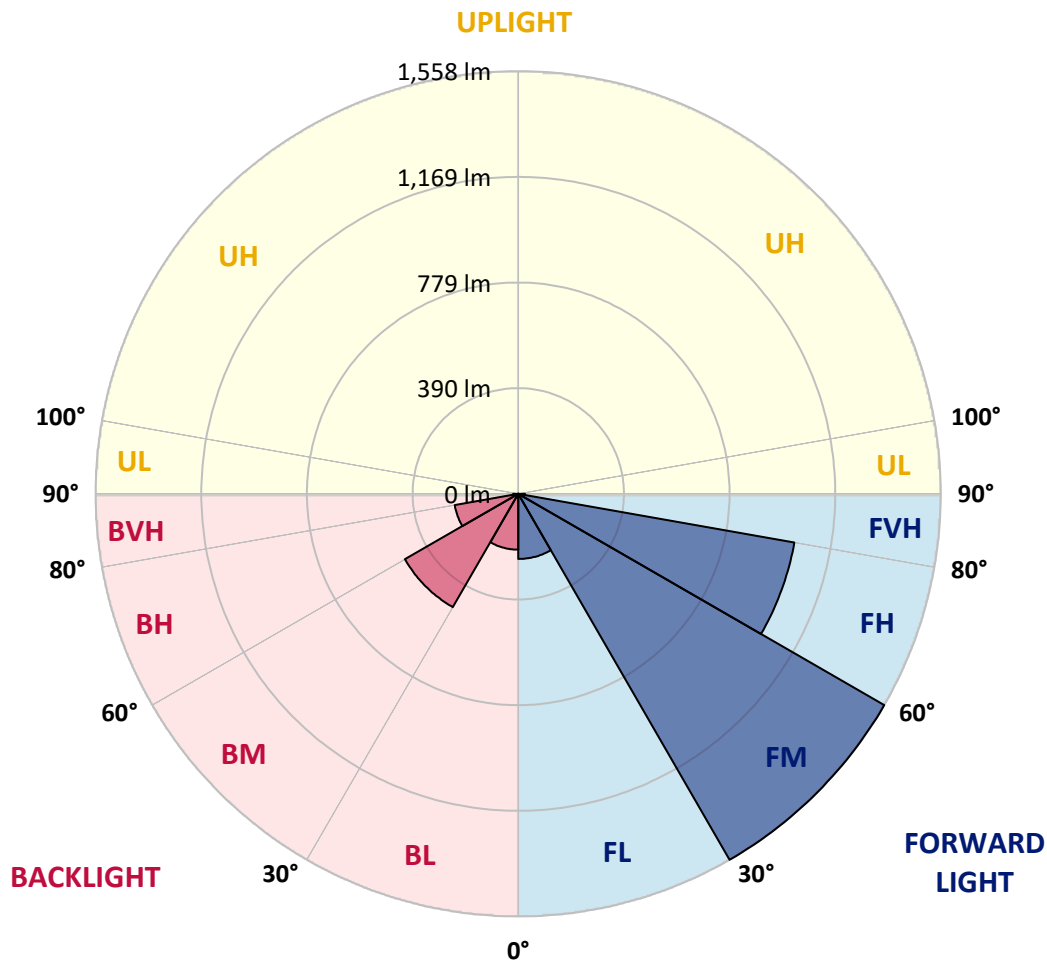
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	240.3	6.3			
FM (30°-60°)	1558.4	41.0			
FH (60°-80°)	1033.8	27.2			G1/1800
FVH (80°-90°)	24.9	0.7			G1/100
BL (0°-30°)	206.0	5.4	B1/500		
BM (30°-60°)	482.7	12.7	B1/1000		
BH (60°-80°)	238.0	6.3	B1/500		G1/500
BVH (80°-90°)	19.0	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°	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8
2.5°	417.4	419.8	419.2	418.2	418.0	418.4	419.0	419.6	419.4	420.4
5°	416.2	418.6	418.4	418.4	419.2	420.8	421.8	422.8	421.8	423.0
7.5°	417.0	418.8	419.6	420.4	422.4	425.4	427.8	430.0	428.8	430.2
10°	427.2	428.6	429.4	429.4	430.8	434.2	436.6	440.6	439.6	441.8
12.5°	445.8	447.2	447.2	446.4	447.4	449.6	450.4	454.8	453.0	456.6
15°	468.6	471.4	469.2	467.8	468.2	470.4	470.2	473.6	471.8	474.8
17.5°	493.7	497.3	493.7	493.5	492.7	495.1	495.3	498.3	495.1	497.3
20°	523.5	528.5	525.5	526.5	524.7	525.7	526.7	531.1	526.1	527.7
22.5°	565.5	571.5	568.3	572.1	570.9	570.1	569.9	577.7	569.9	570.5
25°	626.6	633.8	628.2	633.4	633.4	636.0	639.0	649.0	636.0	632.2
27.5°	716.9	724.1	713.1	716.3	715.3	721.7	718.5	743.3	729.3	723.1
30°	825.6	838.4	817.6	816.8	815.8	826.0	830.6	847.0	832.8	826.6
32.5°	943.1	956.5	931.7	924.5	920.7	926.9	923.1	936.3	926.5	916.9
35°	1067.4	1080.6	1057.0	1043.0	1027.8	1014.8	1001.3	1004.7	995.5	980.9
37.5°	1184.9	1209.1	1184.1	1169.1	1141.1	1115.7	1077.8	1062.0	1053.4	1040.0
40°	1304.6	1318.4	1299.4	1286.6	1256.2	1216.5	1155.7	1122.3	1110.8	1097.8
42.5°	1392.7	1405.9	1395.7	1386.9	1363.1	1317.0	1238.4	1196.7	1179.9	1165.3
45°	1462.6	1472.4	1466.0	1469.2	1459.0	1414.3	1324.2	1276.4	1259.0	1241.2
47.5°	1490.8	1501.2	1511.4	1530.4	1547.7	1514.8	1416.3	1362.7	1344.3	1326.2
50°	1487.6	1498.2	1527.8	1568.1	1622.1	1611.1	1513.4	1454.6	1437.6	1416.9
52.5°	1462.0	1474.0	1512.0	1579.1	1665.0	1683.2	1612.3	1549.5	1533.6	1508.8
55°	1394.9	1402.1	1459.0	1554.1	1675.2	1733.6	1709.2	1650.6	1634.7	1600.1
57.5°	1270.4	1280.8	1363.7	1486.8	1649.6	1767.7	1794.3	1756.9	1741.6	1691.8
60°	1108.0	1124.5	1219.5	1373.7	1584.5	1767.5	1871.6	1861.4	1848.7	1782.1
62.5°	924.1	943.3	1034.6	1213.9	1470.6	1717.4	1920.0	1949.0	1942.4	1865.4
65°	709.7	722.9	813.8	1007.1	1293.4	1609.7	1925.6	2008.7	2009.9	1928.8
67.5°	472.6	510.5	589.4	755.7	1056.0	1433.7	1876.4	2018.5	2030.1	1950.6
70°	230.6	280.5	357.9	491.1	755.7	1163.7	1748.0	1938.2	1964.0	1887.0
72.5°	95.7	111.9	154.1	242.4	433.8	785.3	1489.8	1720.4	1768.1	1672.0
75°	64.5	69.9	88.1	124.3	197.6	387.2	1074.4	1282.8	1359.7	1262.8
77.5°	49.8	53.1	64.1	86.9	117.5	146.5	575.1	773.1	812.8	752.5
80°	39.2	41.8	48.0	63.3	83.3	78.3	196.0	350.3	373.2	313.1
82.5°	34.0	35.0	34.4	43.0	55.3	45.8	64.3	129.3	142.7	103.5
85°	24.6	27.4	28.6	26.6	29.4	23.2	26.4	45.8	50.4	45.0
87.5°	10.0	14.8	18.2	17.2	10.8	6.6	8.2	13.4	15.4	16.8
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°
421.8	0°	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8	421.8
422.0	2.5°	422.2	423.6	424.6	425.8	426.6	427.8	430.2	431.6	431.8	432.8
425.2	5°	426.0	428.0	430.2	433.4	437.0	440.0	444.6	447.8	449.0	450.0
433.0	7.5°	434.2	437.0	441.0	446.6	451.8	455.8	461.4	465.2	469.0	470.4
445.4	10°	446.4	450.4	456.2	463.8	469.4	474.6	480.3	483.5	487.3	488.9
460.2	12.5°	461.6	465.8	473.4	483.9	489.1	492.7	494.7	493.9	494.7	496.1
478.0	15°	478.9	483.5	492.1	503.5	507.1	503.9	499.5	495.5	494.9	495.3
499.5	17.5°	499.5	502.9	512.9	522.5	519.9	506.7	497.1	490.7	487.5	486.5
527.1	20°	528.3	528.3	536.5	542.5	525.1	502.7	487.7	477.4	470.8	468.0
564.7	22.5°	563.3	560.1	565.3	561.1	524.1	491.5	470.8	452.8	442.8	438.8
617.2	25°	607.6	603.8	602.4	576.5	516.9	473.8	440.0	418.2	409.4	407.2
692.9	27.5°	674.6	665.0	646.8	584.8	503.7	445.8	404.0	383.8	378.8	379.0
790.3	30°	763.7	744.5	699.9	586.2	482.1	406.2	367.3	352.9	350.5	351.5
872.0	32.5°	846.2	828.0	754.3	579.9	449.0	367.5	334.3	324.7	321.1	322.3
934.3	35°	910.9	905.9	804.6	570.9	408.2	331.1	304.7	296.5	289.5	287.9
993.1	37.5°	972.1	970.1	842.4	558.3	367.9	305.3	280.9	270.1	260.0	254.4
1058.0	40°	1039.2	1037.2	867.2	538.9	332.1	282.9	259.6	245.4	232.8	222.6
1131.5	42.5°	1114.8	1103.0	879.0	511.1	301.7	264.0	242.2	223.0	206.4	197.0
1214.7	45°	1197.3	1170.7	878.8	475.8	276.1	246.6	223.6	196.4	181.0	172.2
1300.0	47.5°	1284.8	1235.4	868.0	436.6	251.4	227.4	194.8	174.0	163.8	158.5
1392.7	50°	1375.1	1296.0	849.6	391.6	226.0	205.6	176.8	162.6	154.9	149.9
1484.6	52.5°	1460.0	1350.9	827.4	340.7	200.2	184.4	168.8	157.9	149.7	144.1
1573.7	55°	1539.0	1398.3	796.1	288.5	179.2	170.2	165.0	155.9	146.5	139.9
1664.2	57.5°	1609.1	1429.1	741.9	239.6	164.2	160.4	161.0	152.5	141.7	136.1
1753.3	60°	1667.4	1451.6	661.8	194.2	152.1	150.9	154.9	146.1	133.5	127.1
1828.7	62.5°	1702.4	1451.2	563.5	159.1	141.7	142.1	146.7	138.1	125.3	119.3
1868.0	65°	1699.4	1415.7	455.6	136.1	131.7	132.1	138.1	129.3	118.5	114.9
1848.3	67.5°	1639.3	1328.9	349.5	121.1	120.7	122.5	129.5	123.3	114.3	113.9
1730.4	70°	1476.4	1148.9	251.8	109.1	109.3	111.9	121.1	119.5	112.1	112.9
1454.8	72.5°	1183.9	876.0	169.0	96.5	96.7	100.9	113.1	116.5	109.9	120.5
1032.2	75°	788.5	546.3	108.7	83.1	83.3	88.7	106.1	110.7	103.9	120.1
537.1	77.5°	378.8	245.6	78.7	69.9	69.9	74.9	91.7	99.1	88.5	93.3
172.6	80°	130.9	92.3	61.9	56.3	55.1	58.5	77.3	85.9	76.3	70.3
56.3	82.5°	51.6	48.0	49.8	43.8	39.8	42.0	60.1	70.9	56.1	50.8
31.8	85°	29.6	31.2	35.2	29.0	23.0	25.8	44.2	51.0	42.4	37.4
10.4	87.5°	8.0	11.0	16.2	15.0	10.4	11.0	21.0	28.2	24.4	18.8
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

<u>180°</u>
421.8
432.6
449.8
470.6
489.7
496.5
496.7
487.9
467.4
438.2
407.6
379.6
354.9
323.9
289.1
254.6
223.6
197.6
171.8
157.3
148.1
141.7
137.3
132.5
124.3
117.5
114.7
114.5
112.7
122.1
121.1
85.5
65.9
50.6
38.2
19.4
0.0

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