

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: P845718

Luminaire Tested: **GLAN-SB1A-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845718
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-SB1A-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4337 lumens
Efficiency: N/A
Efficacy: 140.4 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

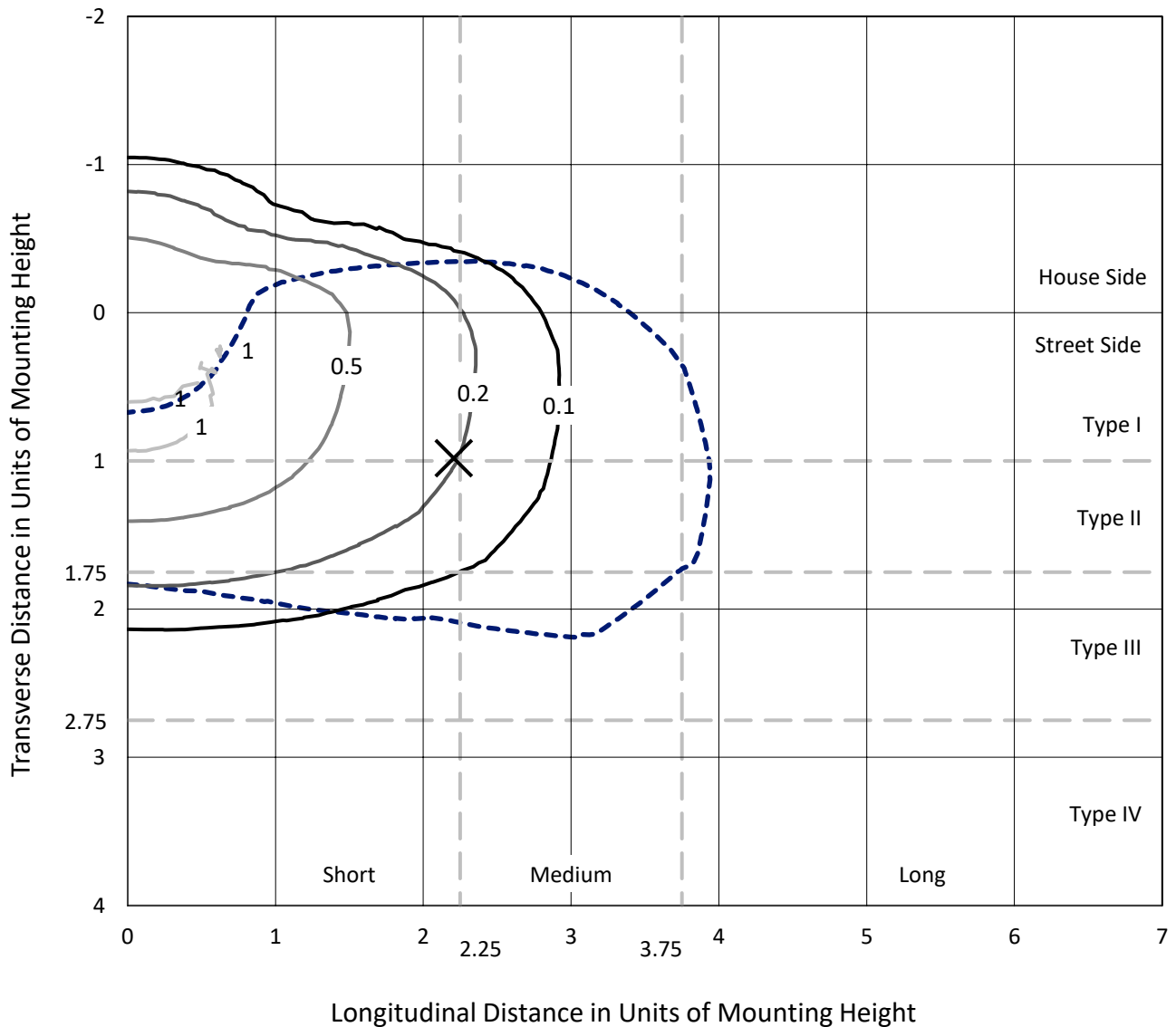
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

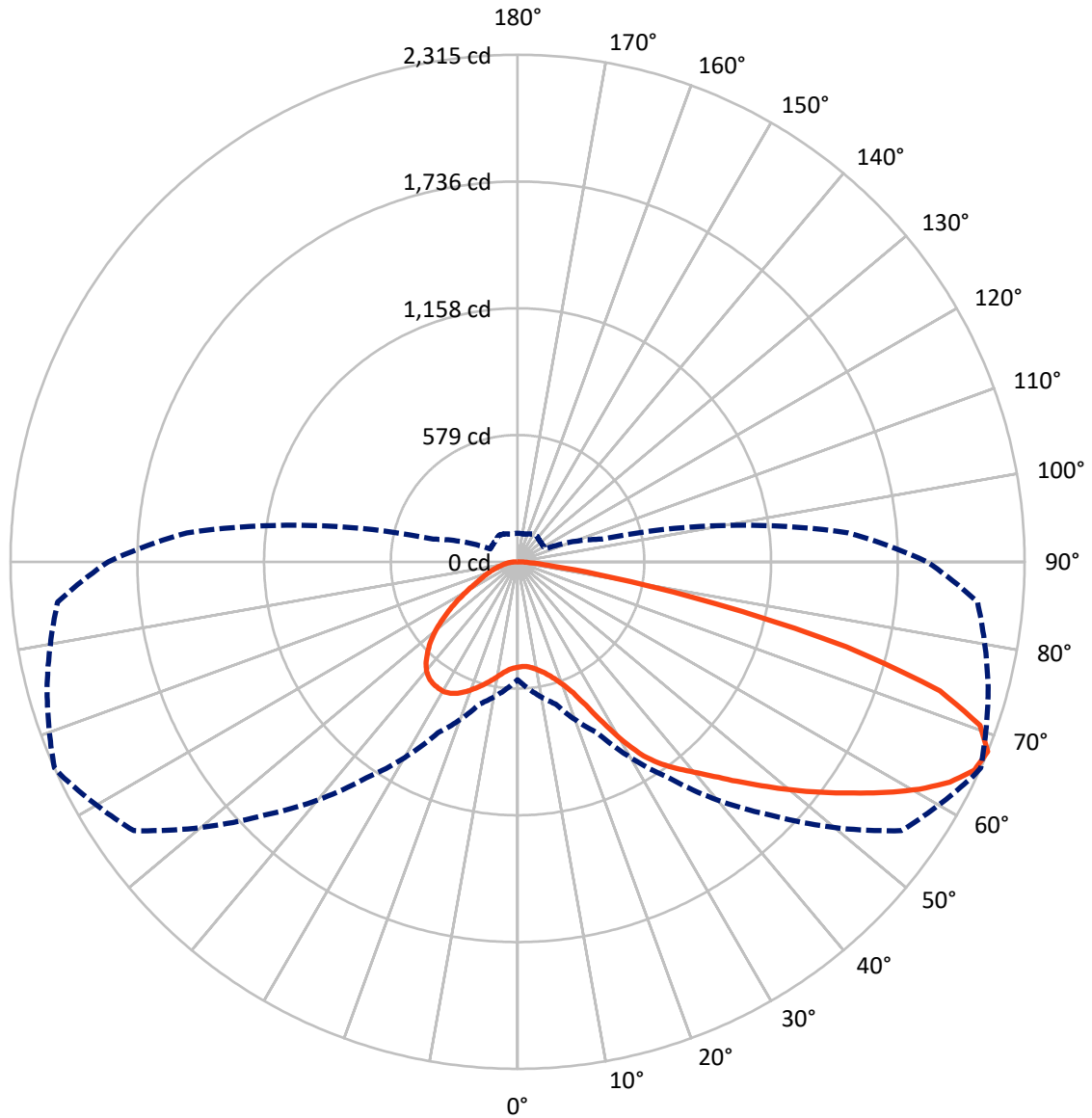
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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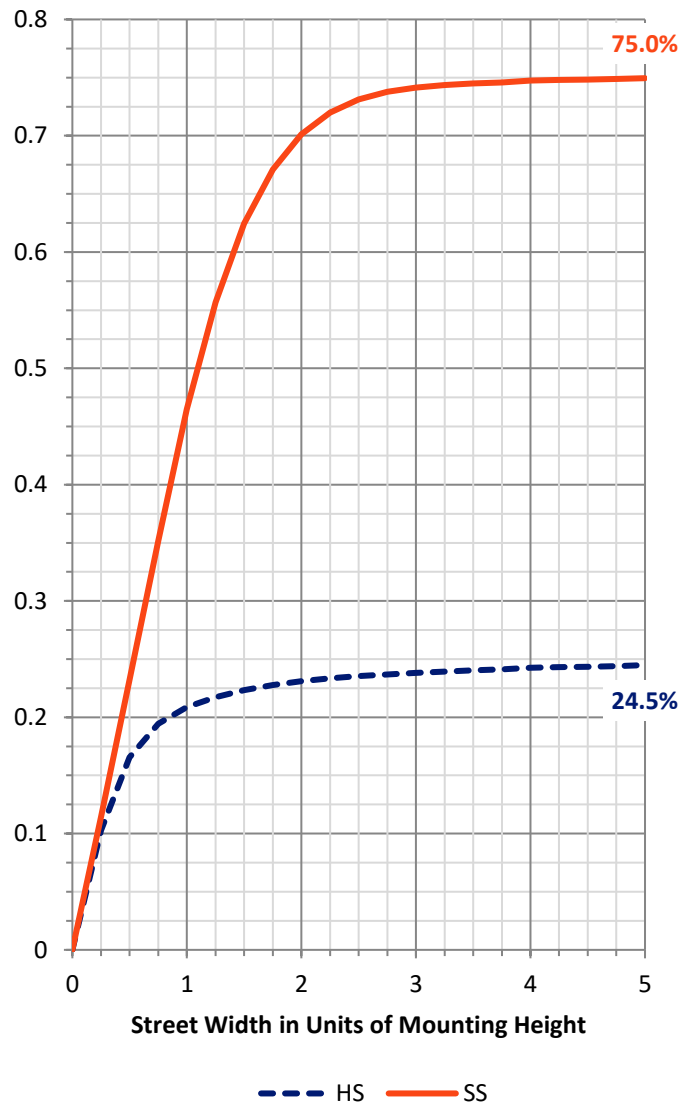
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1078.4	0.0	1078.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3258.6	0.0	3258.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	4337.0	0.0	4337.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	1.1
10°-20°	157.6	3.6
20°-30°	303.7	7.0
30°-40°	532.5	12.3
40°-50°	791.7	18.3
50°-60°	1003.5	23.1
60°-70°	981.9	22.6
70°-80°	468.4	10.8
80°-90°	50.1	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°	4337.0	100.0
0°-180°	4337.0	100.0

Coefficient of Utilization



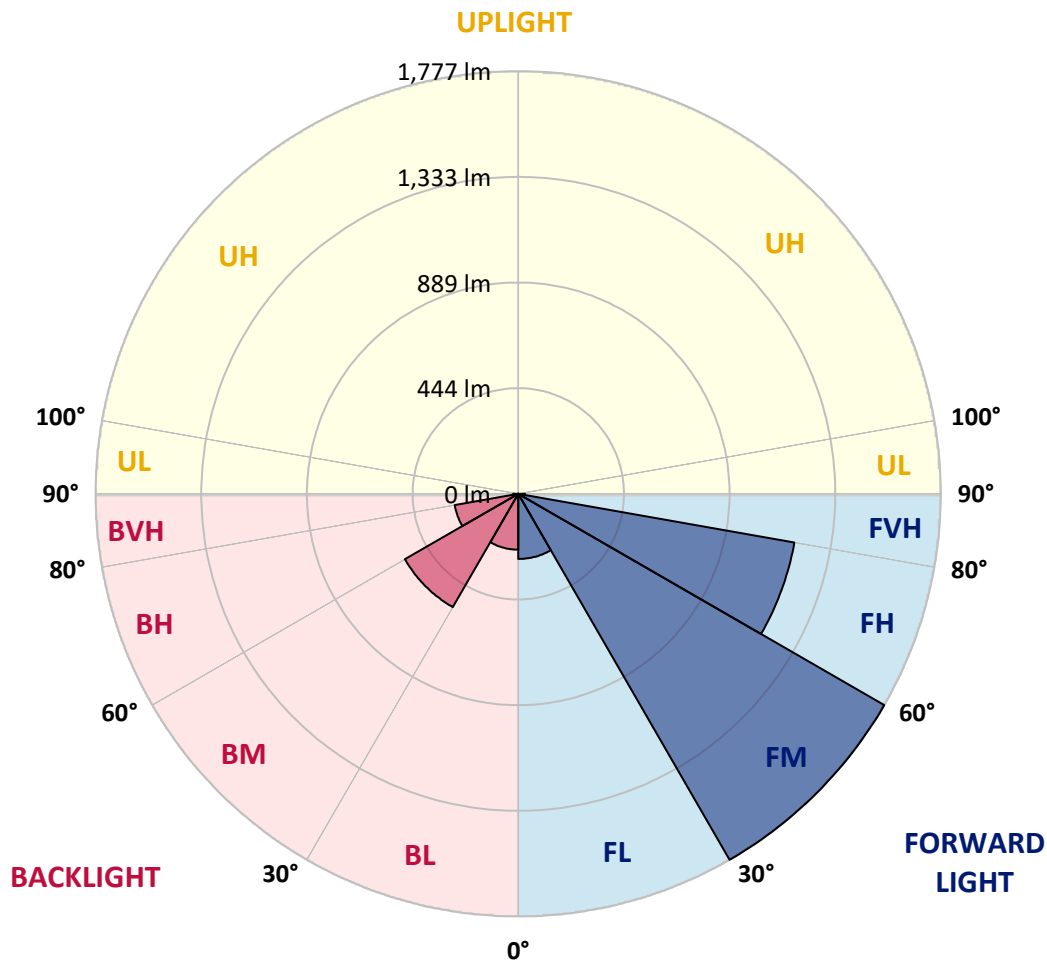
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.1	6.3			
FM (30°-60°)	1777.3	41.0			
FH (60°-80°)	1178.9	27.2			G1/1800
FVH (80°-90°)	28.4	0.7			G1/100
BL (0°-30°)	234.9	5.4	B1/500		
BM (30°-60°)	550.4	12.7	B1/1000		
BH (60°-80°)	271.4	6.3	B1/500		G1/500
BVH (80°-90°)	21.7	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°	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0
2.5°	476.0	478.8	478.1	476.9	476.7	477.2	477.8	478.5	478.3	479.4
5°	474.7	477.4	477.2	477.2	478.1	479.9	481.0	482.2	481.0	482.4
7.5°	475.6	477.6	478.5	479.4	481.7	485.1	487.9	490.4	489.0	490.6
10°	487.2	488.8	489.7	489.7	491.3	495.2	497.9	502.5	501.3	503.8
12.5°	508.4	510.0	510.0	509.1	510.2	512.7	513.6	518.6	516.6	520.7
15°	534.4	537.5	535.0	533.4	533.9	536.4	536.2	540.0	538.0	541.4
17.5°	563.1	567.2	563.1	562.8	561.9	564.7	564.9	568.3	564.7	567.2
20°	597.0	602.7	599.3	600.4	598.4	599.5	600.7	605.7	600.0	601.8
22.5°	644.9	651.7	648.1	652.4	651.0	650.1	649.9	658.8	649.9	650.6
25°	714.6	722.8	716.4	722.3	722.3	725.3	728.7	740.1	725.3	721.0
27.5°	817.6	825.8	813.3	816.9	815.8	823.1	819.4	847.7	831.7	824.7
30°	941.6	956.1	932.4	931.5	930.4	942.0	947.2	965.9	949.8	942.7
32.5°	1075.5	1090.8	1062.6	1054.3	1050.0	1057.1	1052.8	1067.8	1056.6	1045.7
35°	1217.3	1232.3	1205.4	1189.5	1172.2	1157.3	1141.8	1145.7	1135.2	1118.6
37.5°	1351.3	1378.8	1350.3	1333.3	1301.4	1272.4	1229.1	1211.1	1201.3	1186.1
40°	1487.8	1503.5	1481.8	1467.2	1432.6	1387.3	1318.0	1279.9	1266.7	1251.9
42.5°	1588.2	1603.3	1591.7	1581.6	1554.5	1501.9	1412.3	1364.7	1345.6	1328.9
45°	1668.0	1679.2	1671.9	1675.5	1663.9	1612.9	1510.1	1455.6	1435.8	1415.5
47.5°	1700.1	1712.0	1723.6	1745.2	1765.1	1727.5	1615.1	1554.1	1533.1	1512.4
50°	1696.5	1708.6	1742.3	1788.3	1849.8	1837.3	1725.9	1658.9	1639.5	1615.8
52.5°	1667.3	1681.0	1724.3	1800.8	1898.8	1919.6	1838.7	1767.1	1748.9	1720.6
55°	1590.8	1599.0	1663.9	1772.4	1910.5	1977.0	1949.2	1882.4	1864.2	1824.8
57.5°	1448.8	1460.6	1555.2	1695.6	1881.3	2016.0	2046.3	2003.6	1986.1	1929.4
60°	1263.5	1282.4	1390.7	1566.6	1807.0	2015.7	2134.4	2122.8	2108.2	2032.4
62.5°	1053.9	1075.8	1179.9	1384.3	1677.1	1958.5	2189.6	2222.6	2215.1	2127.4
65°	809.4	824.4	928.1	1148.5	1475.0	1835.7	2196.0	2290.8	2292.1	2199.6
67.5°	538.9	582.2	672.2	861.8	1204.3	1635.0	2139.9	2301.9	2315.1	2224.5
70°	263.0	319.9	408.1	560.1	861.8	1327.1	1993.4	2210.3	2239.7	2152.0
72.5°	109.1	127.6	175.7	276.4	494.7	895.5	1699.0	1961.9	2016.4	1906.8
75°	73.6	79.8	100.5	141.7	225.4	441.6	1225.2	1462.9	1550.6	1440.1
77.5°	56.7	60.6	73.1	99.1	134.0	167.0	655.8	881.6	927.0	858.2
80°	44.7	47.6	54.7	72.2	95.0	89.3	223.5	399.5	425.7	357.1
82.5°	38.7	39.9	39.2	49.0	63.1	52.2	73.4	147.4	162.7	118.0
85°	28.0	31.2	32.6	30.3	33.5	26.4	30.1	52.2	57.4	51.3
87.5°	11.4	16.9	20.7	19.6	12.3	7.5	9.3	15.3	17.5	19.1
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°
481.0	0°	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0
481.3	2.5°	481.5	483.1	484.2	485.6	486.5	487.9	490.6	492.2	492.4	493.6
484.9	5°	485.8	488.1	490.6	494.2	498.3	501.8	507.0	510.7	512.0	513.2
493.8	7.5°	495.2	498.3	502.9	509.3	515.2	519.8	526.1	530.5	534.8	536.4
507.9	10°	509.1	513.6	520.2	528.9	535.3	541.2	547.8	551.4	555.8	557.6
524.8	12.5°	526.4	531.2	539.8	551.9	557.8	561.9	564.2	563.3	564.2	565.8
545.1	15°	546.2	551.4	561.2	574.2	578.3	574.7	569.7	565.1	564.4	564.9
569.7	17.5°	569.7	573.5	584.9	595.9	592.9	577.9	566.9	559.6	556.0	554.9
601.1	20°	602.5	602.5	611.8	618.7	598.8	573.3	556.2	544.4	536.9	533.7
644.0	22.5°	642.4	638.7	644.6	639.9	597.7	560.6	536.9	516.4	505.0	500.4
703.9	25°	692.9	688.6	687.0	657.4	589.5	540.3	501.8	476.9	466.9	464.4
790.2	27.5°	769.3	758.3	737.6	667.0	574.5	508.4	460.8	437.7	432.0	432.3
901.2	30°	870.9	849.0	798.2	668.6	549.8	463.3	418.8	402.4	399.7	400.8
994.4	32.5°	965.0	944.3	860.2	661.3	512.0	419.1	381.2	370.3	366.2	367.6
1065.5	35°	1038.9	1033.2	917.6	651.0	465.5	377.6	347.5	338.2	330.2	328.4
1132.5	37.5°	1108.6	1106.3	960.7	636.7	419.5	348.2	320.4	308.1	296.5	290.1
1206.6	40°	1185.1	1182.9	988.9	614.6	378.7	322.7	296.0	279.8	265.5	253.8
1290.4	42.5°	1271.3	1257.8	1002.4	582.9	344.1	301.0	276.2	254.3	235.4	224.7
1385.2	45°	1365.4	1335.1	1002.2	542.6	314.9	281.2	255.0	224.0	206.4	196.4
1482.5	47.5°	1465.2	1408.9	989.9	497.9	286.7	259.3	222.2	198.5	186.9	180.7
1588.2	50°	1568.2	1478.0	968.9	446.6	257.7	234.5	201.7	185.5	176.6	170.9
1693.1	52.5°	1665.0	1540.6	943.6	388.5	228.3	210.3	192.5	180.0	170.7	164.3
1794.7	55°	1755.0	1594.6	907.8	329.0	204.4	194.1	188.2	177.7	167.0	159.5
1897.9	57.5°	1835.0	1629.7	846.1	273.2	187.3	183.0	183.7	173.9	161.6	155.2
1999.5	60°	1901.6	1655.5	754.7	221.5	173.4	172.0	176.6	166.6	152.2	144.9
2085.5	62.5°	1941.4	1655.0	642.6	181.4	161.6	162.0	167.3	157.5	142.9	136.0
2130.3	65°	1938.0	1614.4	519.5	155.2	150.2	150.6	157.5	147.4	135.1	131.0
2107.8	67.5°	1869.4	1515.6	398.5	138.1	137.6	139.7	147.7	140.6	130.3	129.9
1973.3	70°	1683.7	1310.2	287.1	124.4	124.6	127.6	138.1	136.3	127.8	128.7
1659.1	72.5°	1350.1	999.0	192.8	110.1	110.3	115.1	129.0	132.8	125.3	137.4
1177.2	75°	899.2	623.0	124.0	94.8	95.0	101.2	121.0	126.2	118.5	136.9
612.5	77.5°	432.0	280.1	89.8	79.8	79.8	85.5	104.6	113.0	100.9	106.4
196.9	80°	149.3	105.3	70.6	64.3	62.9	66.8	88.2	98.0	87.0	80.2
64.3	82.5°	58.8	54.7	56.7	49.9	45.3	47.9	68.6	80.9	64.0	57.9
36.2	85°	33.7	35.5	40.1	33.0	26.2	29.4	50.4	58.1	48.3	42.6
11.8	87.5°	9.1	12.5	18.5	17.1	11.8	12.5	23.9	32.1	27.8	21.4
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°
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481.0
493.3
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499.7
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433.0
404.7
369.4
329.7
290.3
255.0
225.4
196.0
179.3
168.9
161.6
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