

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: McGRAW-EDISON

Report Number: P939177

Luminaire Tested: **GALN-SB1C-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4563 lumens
Efficiency: N/A
Efficacy: 83.9 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

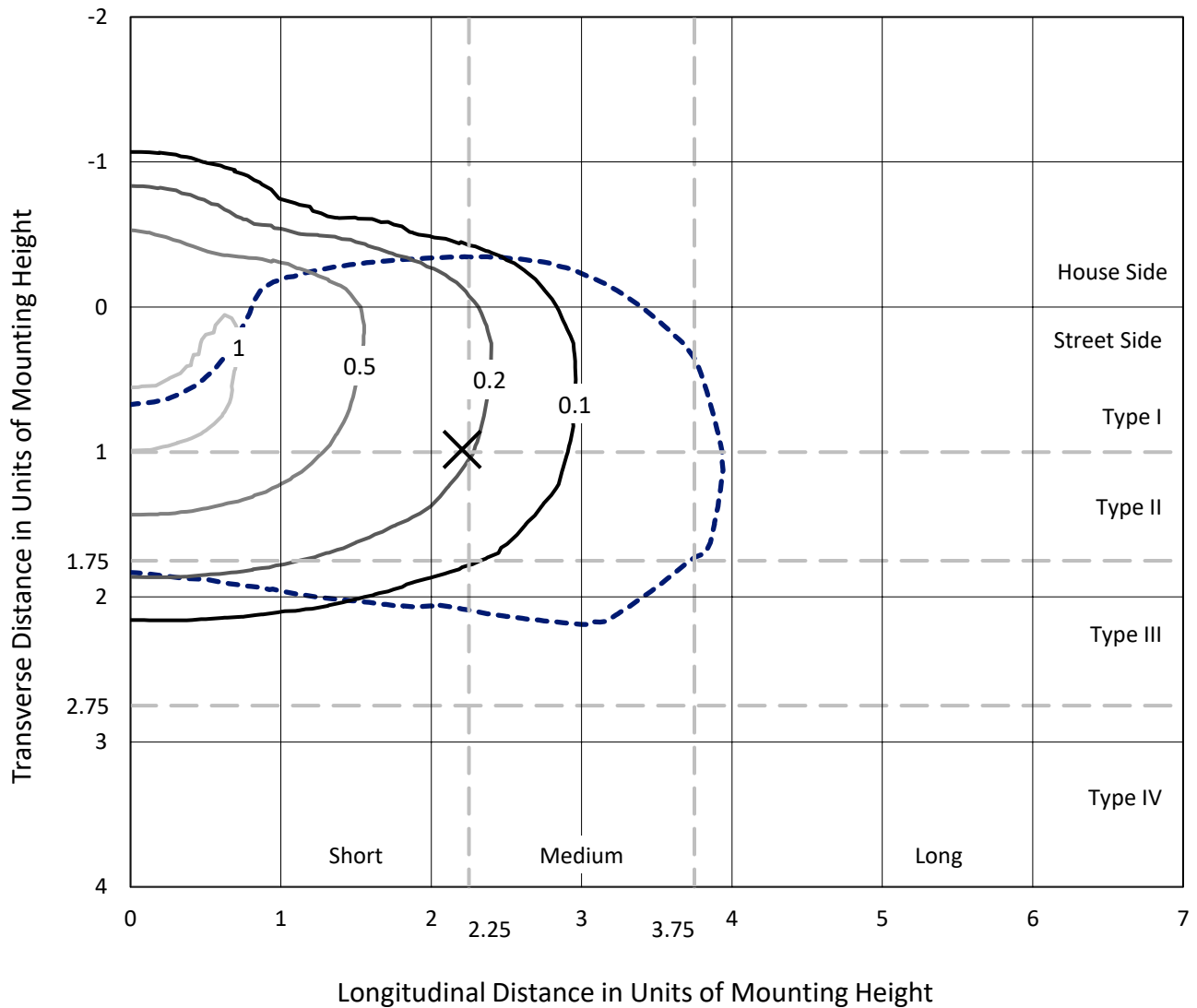
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

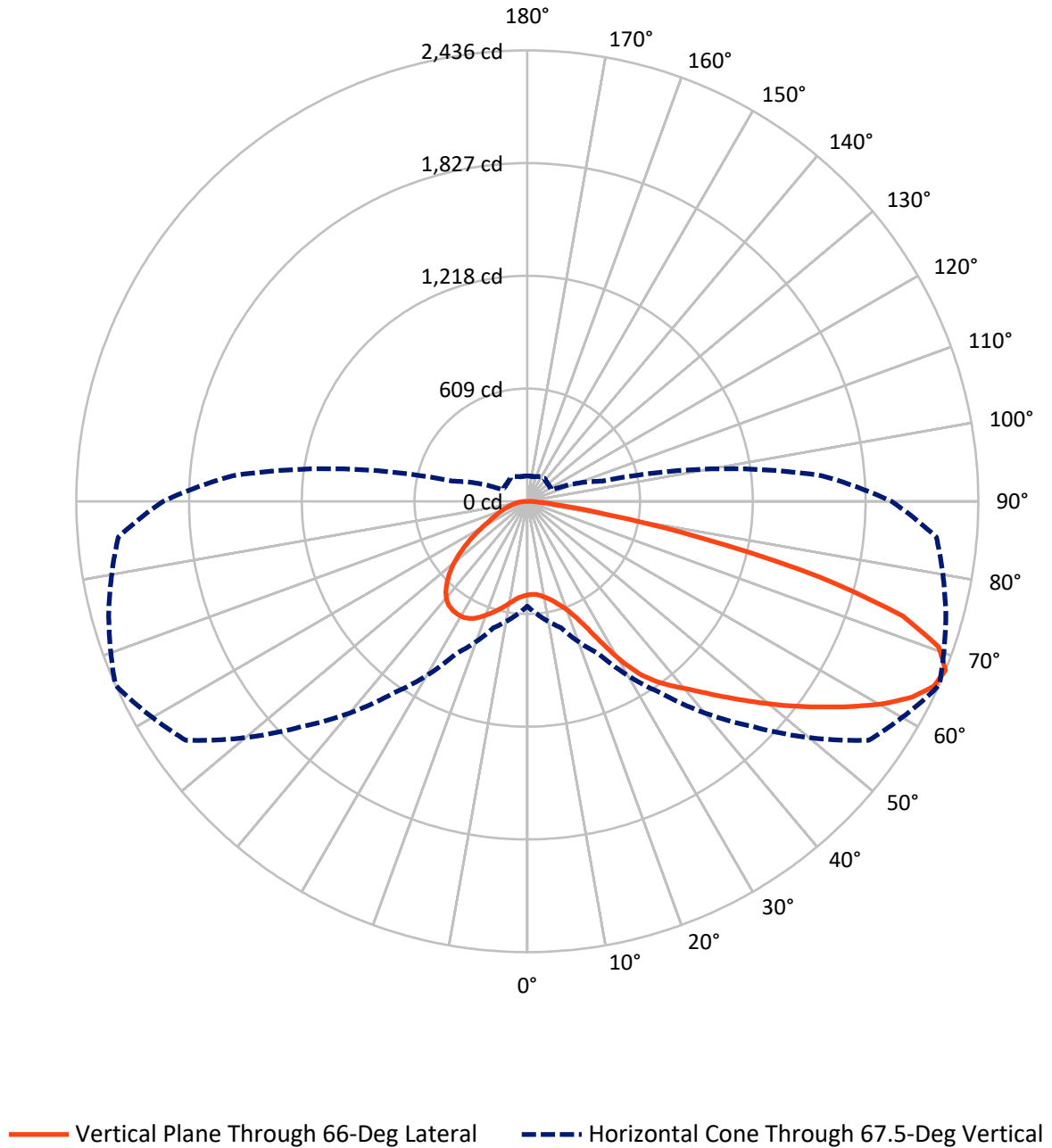
✕ Max cd
 - - - 1/2 Max cd



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



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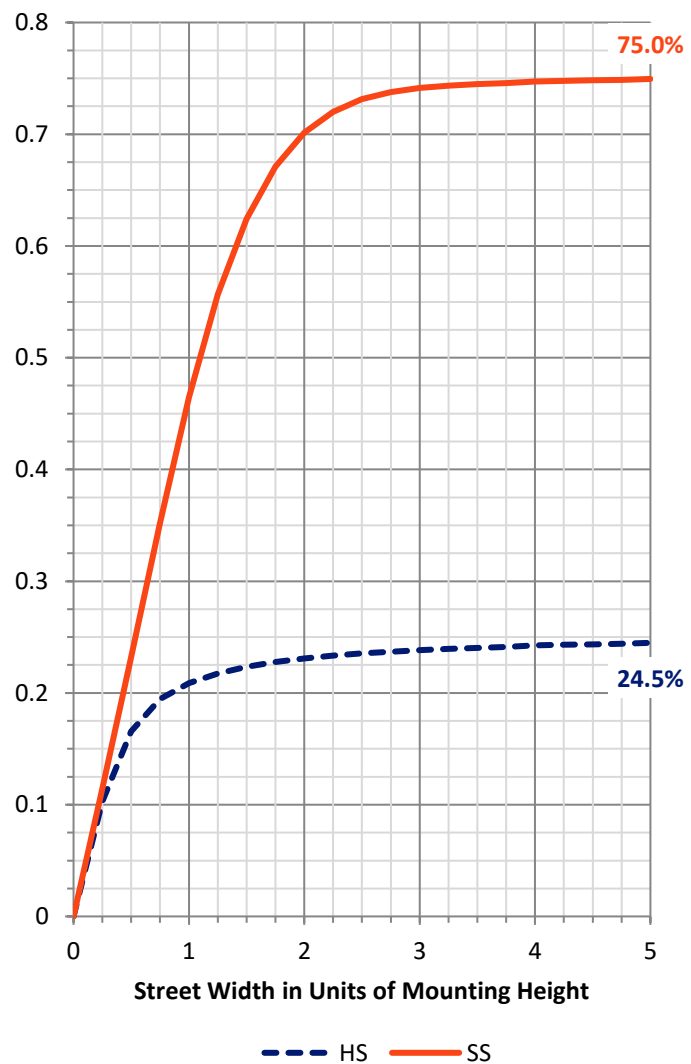
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1134.6	0.0	1134.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3428.4	0.0	3428.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	4563.0	0.0	4563.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	1.1
10°-20°	165.8	3.6
20°-30°	319.5	7.0
30°-40°	560.3	12.3
40°-50°	832.9	18.3
50°-60°	1055.8	23.1
60°-70°	1033.1	22.6
70°-80°	492.8	10.8
80°-90°	52.7	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°	4563.0	100.0
0°-180°	4563.0	100.0

Coefficient of Utilization



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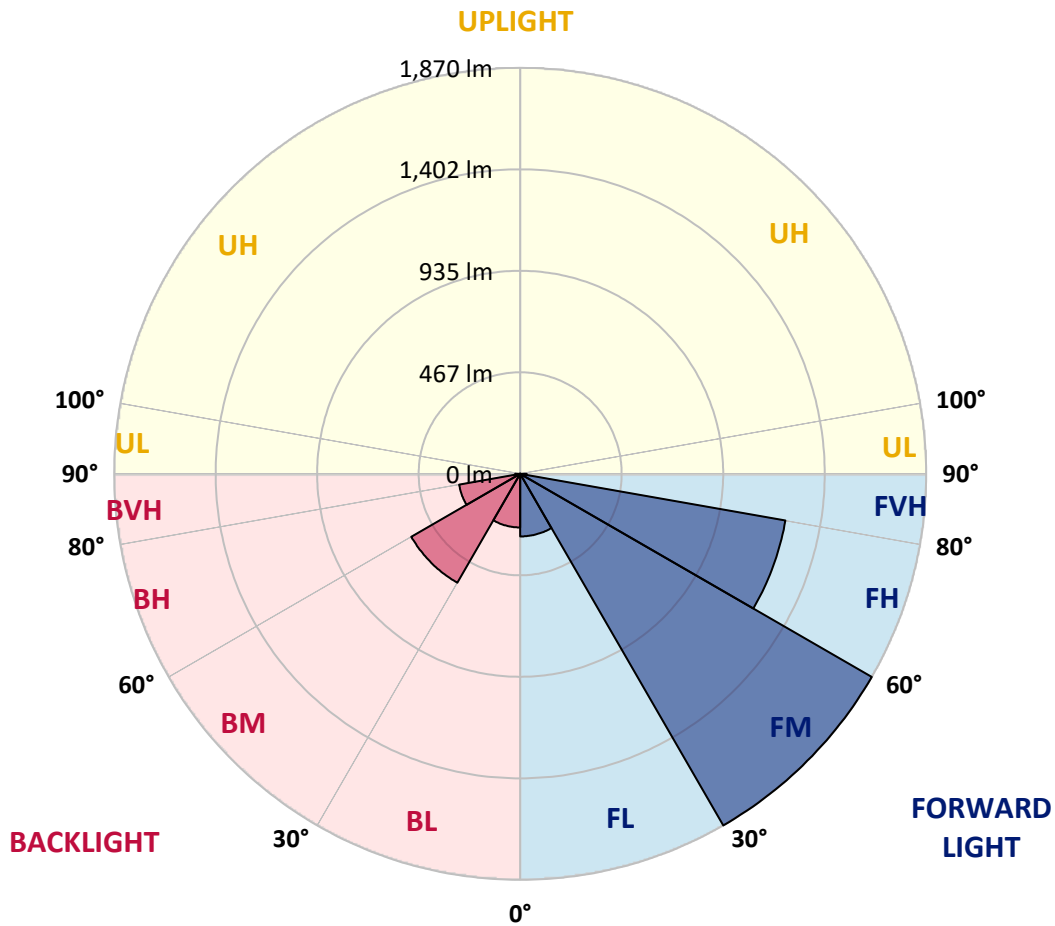
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.3	6.3			
FM (30°-60°)	1869.9	41.0			
FH (60°-80°)	1240.4	27.2			G1/1800
FVH (80°-90°)	29.9	0.7			G1/100
BL (0°-30°)	247.2	5.4	B1/500		
BM (30°-60°)	579.1	12.7	B1/1000		
BH (60°-80°)	285.5	6.3	B1/500		G1/500
BVH (80°-90°)	22.8	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°	506.1	506.1	506.1	506.1	506.1	506.1	506.1	506.1	506.1	506.1
2.5°	500.8	503.7	503.0	501.8	501.5	502.0	502.7	503.5	503.2	504.4
5°	499.4	502.3	502.0	502.0	503.0	504.9	506.1	507.3	506.1	507.5
7.5°	500.3	502.5	503.5	504.4	506.8	510.4	513.3	515.9	514.5	516.2
10°	512.6	514.2	515.2	515.2	516.9	521.0	523.8	528.6	527.4	530.1
12.5°	534.9	536.5	536.5	535.6	536.8	539.4	540.4	545.7	543.5	547.8
15°	562.2	565.6	562.9	561.2	561.7	564.4	564.1	568.2	566.0	569.6
17.5°	592.4	596.7	592.4	592.2	591.2	594.1	594.3	597.9	594.1	596.7
20°	628.1	634.1	630.5	631.7	629.6	630.8	632.0	637.2	631.2	633.2
22.5°	678.5	685.7	681.8	686.4	684.9	684.0	683.7	693.1	683.7	684.5
25°	751.8	760.5	753.8	760.0	760.0	763.1	766.7	778.7	763.1	758.5
27.5°	860.2	868.8	855.6	859.5	858.3	866.0	862.1	891.8	875.1	867.6
30°	990.6	1006.0	981.0	980.1	978.9	991.1	996.6	1016.3	999.2	991.8
32.5°	1131.6	1147.6	1117.9	1109.3	1104.7	1112.2	1107.6	1123.4	1111.7	1100.2
35°	1280.7	1296.5	1268.2	1251.5	1233.2	1217.7	1201.4	1205.4	1194.4	1176.9
37.5°	1421.7	1450.7	1420.7	1402.7	1369.2	1338.7	1293.2	1274.2	1263.9	1247.9
40°	1565.3	1581.8	1559.0	1543.7	1507.3	1459.6	1386.7	1346.6	1332.7	1317.1
42.5°	1671.0	1686.8	1674.6	1664.1	1635.5	1580.1	1485.9	1435.8	1415.7	1398.2
45°	1754.9	1766.7	1759.0	1762.8	1750.6	1696.9	1588.8	1531.5	1510.6	1489.3
47.5°	1788.7	1801.2	1813.4	1836.2	1857.0	1817.5	1699.3	1635.0	1613.0	1591.2
50°	1784.9	1797.6	1833.1	1881.5	1946.2	1933.0	1815.8	1745.3	1724.9	1700.0
52.5°	1754.2	1768.6	1814.1	1894.7	1997.8	2019.6	1934.5	1859.2	1840.0	1810.3
55°	1673.6	1682.3	1750.6	1864.7	2010.0	2080.0	2050.8	1980.5	1961.3	1919.9
57.5°	1524.3	1536.8	1636.2	1783.9	1979.3	2121.0	2152.9	2108.1	2089.6	2029.9
60°	1329.4	1349.3	1463.2	1648.2	1901.2	2120.8	2245.7	2233.4	2218.1	2138.3
62.5°	1108.8	1131.8	1241.4	1456.4	1764.5	2060.6	2303.7	2338.5	2330.5	2238.2
65°	851.6	867.4	976.5	1208.3	1551.9	1931.4	2310.4	2410.1	2411.6	2314.2
67.5°	567.0	612.5	707.2	906.7	1267.0	1720.2	2251.4	2421.9	2435.8	2340.4
70°	276.7	336.6	429.4	589.3	906.7	1396.3	2097.3	2325.5	2356.4	2264.1
72.5°	114.8	134.3	184.8	290.8	520.5	942.2	1787.5	2064.2	2121.5	2006.2
75°	77.4	83.9	105.7	149.1	237.1	464.6	1289.1	1539.1	1631.4	1515.2
77.5°	59.7	63.8	77.0	104.3	141.0	175.7	690.0	927.6	975.3	902.9
80°	47.0	50.1	57.5	76.0	100.0	94.0	235.2	420.3	447.8	375.7
82.5°	40.8	42.0	41.2	51.5	66.4	54.9	77.2	155.1	171.2	124.2
85°	29.5	32.8	34.3	31.9	35.2	27.8	31.6	54.9	60.4	53.9
87.5°	12.0	17.7	21.8	20.6	12.9	7.9	9.8	16.1	18.5	20.1
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°
506.1	0°	506.1	506.1	506.1	506.1	506.1	506.1	506.1	506.1	506.1	506.1
506.3	2.5°	506.6	508.3	509.5	510.9	511.9	513.3	516.2	517.8	518.1	519.3
510.2	5°	511.1	513.5	516.2	520.0	524.3	527.9	533.4	537.3	538.7	539.9
519.5	7.5°	521.0	524.3	529.1	535.8	542.1	546.9	553.6	558.1	562.7	564.4
534.4	10°	535.6	540.4	547.3	556.4	563.2	569.4	576.3	580.2	584.7	586.7
552.1	12.5°	553.8	558.8	568.0	580.7	586.9	591.2	593.6	592.6	593.6	595.3
573.5	15°	574.7	580.2	590.5	604.2	608.5	604.6	599.4	594.6	593.8	594.3
599.4	17.5°	599.4	603.4	615.4	626.9	623.8	608.0	596.5	588.8	585.0	583.8
632.4	20°	633.9	633.9	643.7	650.9	630.0	603.2	585.2	572.7	564.8	561.5
677.5	22.5°	675.8	672.0	678.2	673.2	628.8	589.8	564.8	543.3	531.3	526.5
740.6	25°	729.1	724.5	722.8	691.7	620.2	568.4	527.9	501.8	491.2	488.6
831.4	27.5°	809.4	797.9	776.0	701.7	604.4	534.9	484.8	460.5	454.6	454.8
948.2	30°	916.3	893.3	839.8	703.4	578.5	487.4	440.6	423.4	420.5	421.7
1046.2	32.5°	1015.3	993.5	905.0	695.7	538.7	440.9	401.1	389.6	385.3	386.7
1121.0	35°	1093.0	1087.0	965.4	684.9	489.8	397.3	365.6	355.8	347.4	345.5
1191.5	37.5°	1166.3	1164.0	1010.8	669.8	441.4	366.3	337.1	324.1	311.9	305.2
1269.4	40°	1246.9	1244.5	1040.5	646.6	398.5	339.5	311.4	294.4	279.3	267.1
1357.7	42.5°	1337.5	1323.4	1054.6	613.3	362.0	316.7	290.6	267.6	247.7	236.4
1457.4	45°	1436.5	1404.7	1054.4	570.8	331.3	295.8	268.3	235.7	217.2	206.7
1559.8	47.5°	1541.5	1482.3	1041.4	523.8	301.6	272.8	233.7	208.8	196.6	190.1
1671.0	50°	1649.9	1555.0	1019.4	469.9	271.1	246.7	212.2	195.2	185.8	179.8
1781.3	52.5°	1751.8	1620.9	992.8	408.8	240.2	221.3	202.6	189.4	179.6	172.9
1888.2	55°	1846.5	1677.7	955.1	346.2	215.0	204.3	198.0	187.0	175.7	167.8
1996.8	57.5°	1930.6	1714.6	890.2	287.5	197.1	192.5	193.2	182.9	170.0	163.3
2103.7	60°	2000.7	1741.7	794.0	233.0	182.4	181.0	185.8	175.3	160.1	152.5
2194.1	62.5°	2042.6	1741.3	676.1	190.8	170.0	170.5	176.0	165.7	150.3	143.1
2241.4	65°	2039.0	1698.6	546.6	163.3	158.0	158.5	165.7	155.1	142.2	137.9
2217.6	67.5°	1966.8	1594.5	419.3	145.3	144.8	147.0	155.4	147.9	137.1	136.7
2076.2	70°	1771.5	1378.5	302.1	130.9	131.1	134.3	145.3	143.4	134.5	135.5
1745.6	72.5°	1420.5	1051.0	202.8	115.8	116.0	121.1	135.7	139.8	131.9	144.6
1238.5	75°	946.0	655.5	130.4	99.7	100.0	106.4	127.3	132.8	124.7	144.1
644.4	77.5°	454.6	294.6	94.5	83.9	83.9	89.9	110.0	118.9	106.2	112.0
207.1	80°	157.0	110.8	74.3	67.6	66.2	70.2	92.8	103.1	91.6	84.4
67.6	82.5°	61.9	57.5	59.7	52.5	47.7	50.3	72.2	85.1	67.4	60.9
38.1	85°	35.5	37.4	42.2	34.8	27.6	30.9	53.0	61.1	50.8	44.8
12.5	87.5°	9.6	13.2	19.4	18.0	12.5	13.2	25.2	33.8	29.2	22.5
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°
506.1
519.0
539.7
564.6
587.6
595.8
596.0
585.5
560.8
525.8
489.1
455.5
425.8
388.6
346.9
305.4
268.3
237.1
206.2
188.7
177.6
170.0
164.7
158.9
149.1
141.0
137.6
137.4
135.2
146.5
145.3
102.6
79.1
60.7
45.8
23.3
0.0

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