

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: P948374

Luminaire Tested: **GALN-SB3B-940-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-940-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

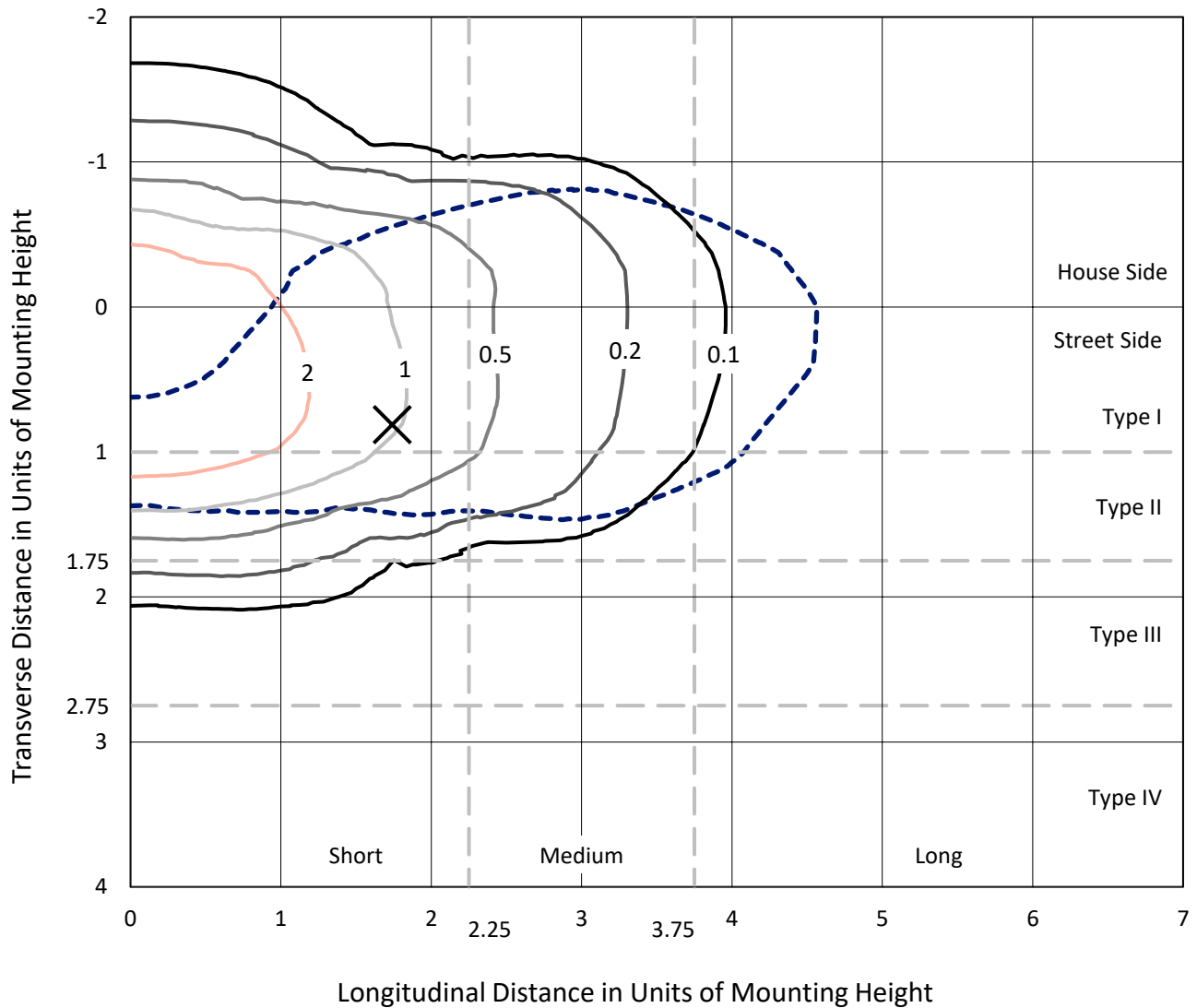
Lumens per Lamp: N/A  
Luminaire Lumens: 12407 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

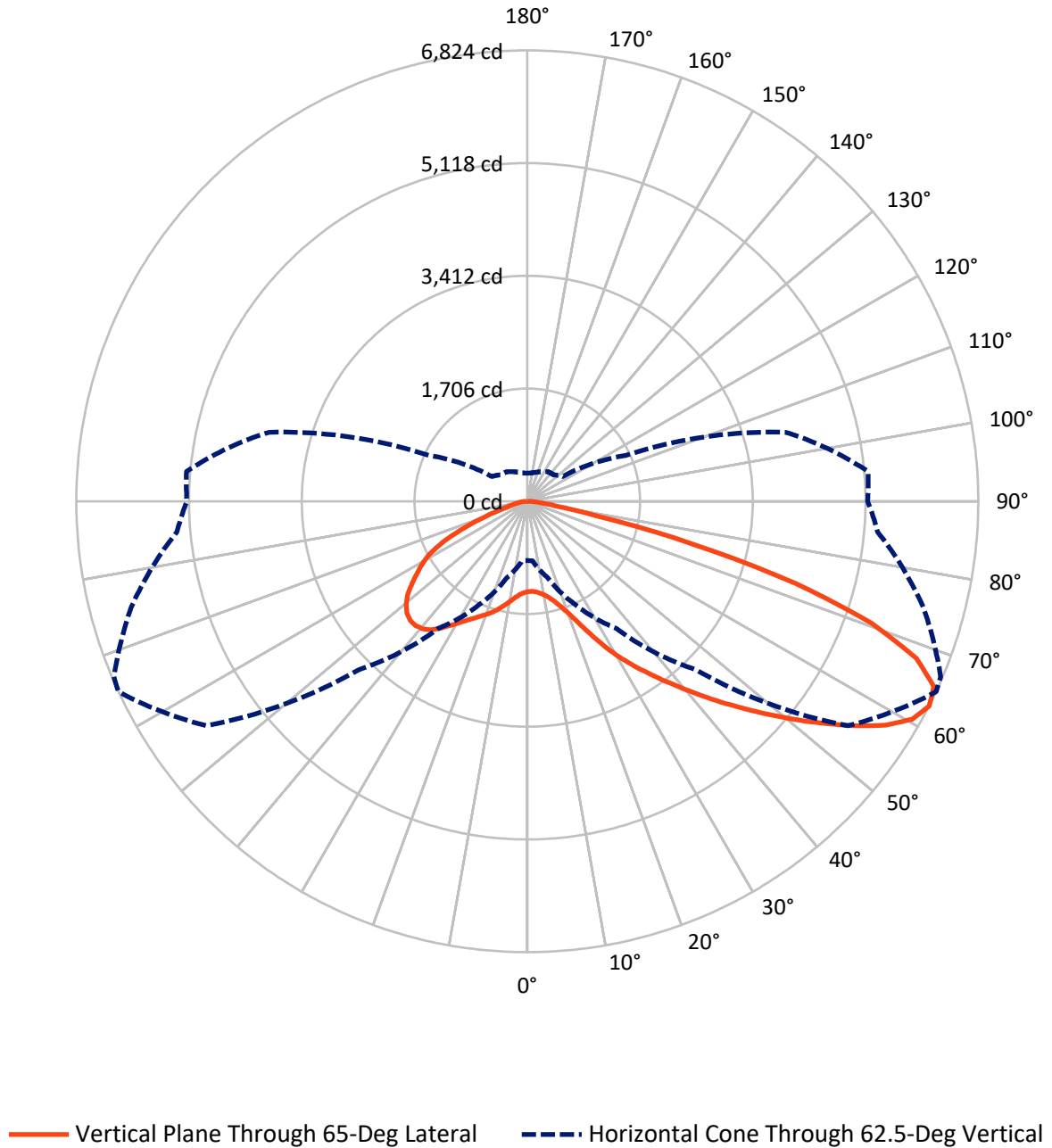
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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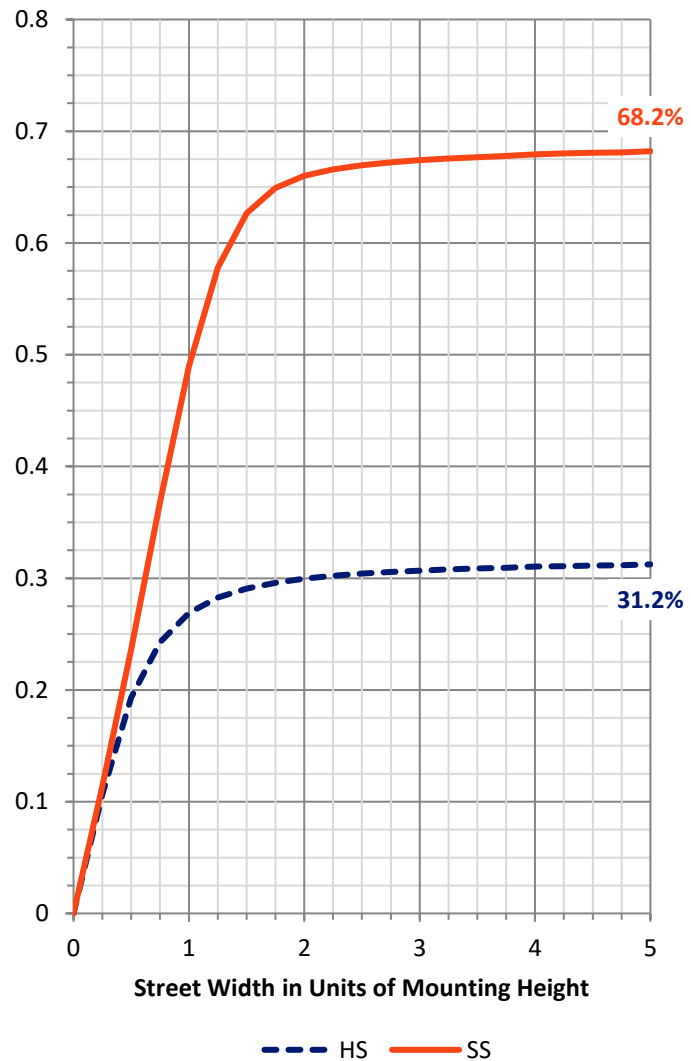
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3915.1	0.0	3915.1
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	8491.9	0.0	8491.9
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	12407.0	0.0	12407.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.3	1.1
10°-20°	462.2	3.7
20°-30°	937.2	7.6
30°-40°	1621.9	13.1
40°-50°	2454.4	19.8
50°-60°	2877.6	23.2
60°-70°	2412.5	19.4
70°-80°	1331.9	10.7
80°-90°	173.0	1.4
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°	12407.0	100.0
0°-180°	12407.0	100.0

**Coefficient of Utilization**



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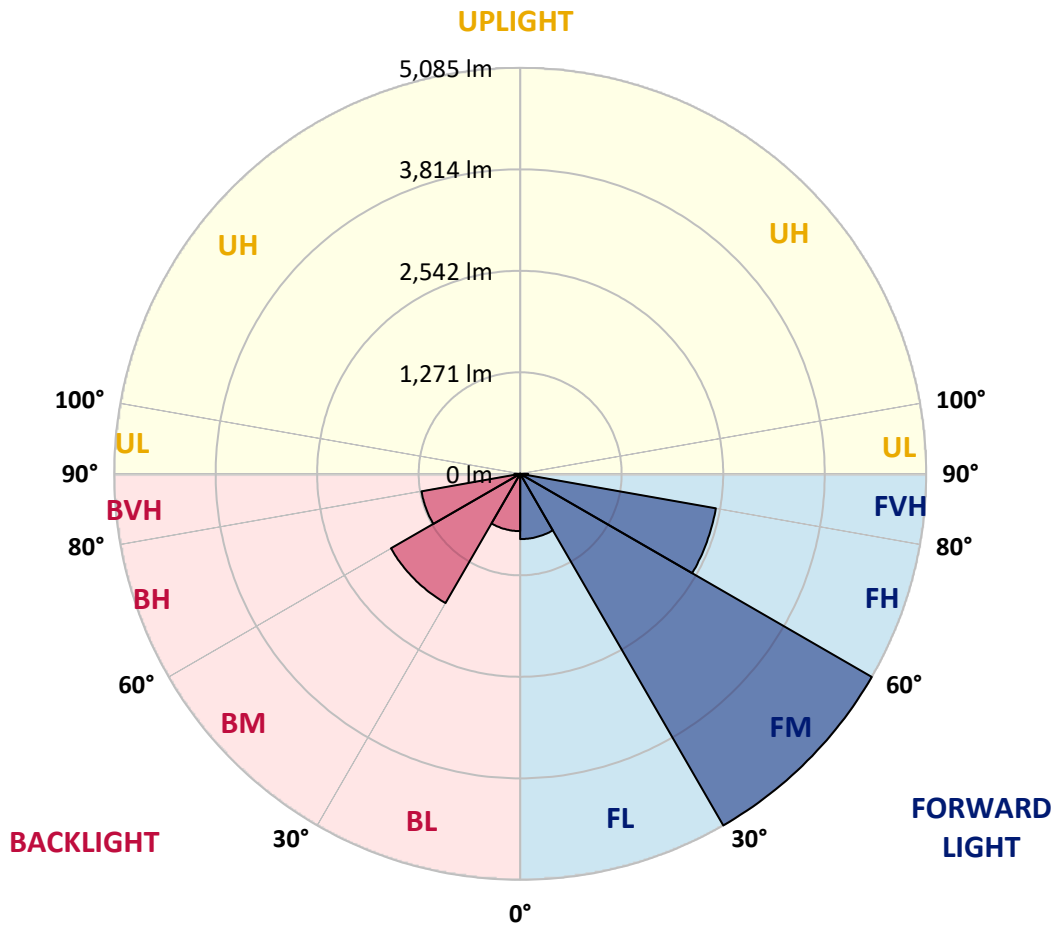
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	817.8	6.6			
FM (30°-60°)	5084.8	41.0			
FH (60°-80°)	2488.5	20.1			G2/5000
FVH (80°-90°)	100.8	0.8			G2/225
BL (0°-30°)	718.0	5.8	B2/1000		
BM (30°-60°)	1869.0	15.1	B2/2500		
BH (60°-80°)	1255.9	10.1	B3/2500		G3/2500
BVH (80°-90°)	72.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2
2.5°	1358.2	1354.3	1357.5	1357.5	1358.8	1358.2	1362.7	1364.0	1365.9	1369.8
5°	1344.7	1344.0	1349.8	1355.0	1360.1	1364.6	1370.4	1378.8	1380.1	1384.6
7.5°	1340.2	1336.3	1345.3	1351.7	1364.0	1374.9	1390.4	1404.5	1410.3	1412.3
10°	1374.9	1368.5	1376.9	1380.7	1391.0	1402.0	1420.0	1442.5	1448.9	1456.7
12.5°	1434.1	1427.1	1439.3	1445.1	1454.7	1464.4	1476.6	1498.5	1501.7	1515.9
15°	1515.2	1506.9	1514.6	1521.7	1537.8	1546.8	1559.0	1580.3	1580.3	1591.2
17.5°	1625.3	1614.4	1620.2	1622.7	1633.0	1646.6	1667.2	1685.8	1695.5	1691.6
20°	1789.5	1775.9	1775.9	1763.1	1759.2	1770.1	1797.2	1822.9	1833.2	1813.3
22.5°	2036.0	2016.7	2005.7	1962.0	1944.6	1945.9	1972.9	2004.5	2012.8	1977.4
25°	2349.5	2319.2	2304.4	2240.0	2200.8	2166.7	2187.9	2228.5	2240.0	2196.3
27.5°	2662.9	2664.9	2650.7	2573.5	2508.5	2446.0	2435.1	2477.6	2489.8	2440.2
30°	3102.6	3056.9	3029.8	2937.2	2844.5	2756.9	2711.9	2729.2	2732.5	2673.2
32.5°	3481.7	3470.1	3412.2	3331.1	3212.0	3074.9	2999.6	2971.9	2966.8	2882.4
35°	3913.6	3907.2	3846.0	3749.5	3620.8	3430.2	3294.4	3215.2	3208.8	3090.4
37.5°	4352.6	4352.6	4292.8	4187.2	4054.0	3815.8	3609.2	3483.7	3463.1	3308.6
40°	4702.8	4681.6	4692.5	4648.1	4495.5	4242.6	3958.7	3776.5	3748.9	3563.5
42.5°	4901.7	4894.6	4960.3	5009.8	4947.4	4745.3	4343.6	4093.9	4055.2	3844.1
45°	4946.1	4938.4	5055.5	5237.1	5324.6	5241.6	4762.0	4427.9	4381.0	4137.6
47.5°	4843.8	4828.3	5000.2	5286.6	5567.3	5713.4	5215.2	4790.3	4722.1	4423.4
50°	4536.1	4521.3	4781.3	5161.8	5649.0	6034.0	5707.0	5174.6	5070.3	4729.8
52.5°	3867.3	3874.4	4281.8	4804.5	5541.5	6233.5	6130.5	5579.5	5454.0	5043.3
55°	3012.5	3027.9	3528.7	4104.2	5111.5	6203.2	6419.5	5996.6	5871.7	5338.1
57.5°	2157.0	2225.2	2694.5	3264.2	4285.7	5723.7	6482.6	6393.1	6272.1	5660.0
60°	1398.1	1410.3	1893.1	2467.3	3263.5	4871.4	6354.5	6693.7	6599.1	5988.2
62.5°	896.0	904.4	1198.6	1725.7	2348.8	3604.0	5923.2	6824.4	6795.4	6205.2
65°	658.5	652.1	805.3	1140.6	1582.2	2222.7	5085.8	6761.3	6818.6	6341.0
67.5°	549.7	540.7	616.0	789.8	1165.7	1262.3	3763.0	6351.3	6561.1	6325.5
70°	500.8	493.1	538.8	586.4	909.5	845.2	1897.0	5521.6	5844.7	6149.8
72.5°	424.2	410.7	473.1	520.7	707.4	648.2	784.0	4241.3	4635.2	5586.6
75°	328.9	319.9	373.3	458.3	531.7	505.9	495.6	2575.4	3005.4	4320.4
77.5°	260.7	248.5	297.4	357.2	478.3	381.7	361.1	1109.1	1535.2	2758.2
80°	196.3	185.4	225.9	282.6	367.5	287.7	233.7	452.5	578.7	1397.5
82.5°	139.7	130.0	157.7	207.3	247.2	258.1	143.5	253.6	285.2	538.8
85°	89.5	83.7	105.6	130.0	157.1	166.1	87.5	132.6	145.5	222.1
87.5°	48.9	39.9	56.6	60.5	72.7	66.3	41.8	48.3	52.1	80.5
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°
1367.2	0°	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2	1367.2
1369.8	2.5°	1372.3	1374.3	1380.7	1382.6	1387.2	1392.9	1396.8	1400.7	1400.7	1404.5
1390.4	5°	1391.0	1395.5	1409.0	1416.1	1427.7	1439.3	1446.4	1454.7	1459.9	1462.5
1423.2	7.5°	1427.1	1434.1	1453.5	1465.7	1485.6	1501.7	1512.7	1524.3	1526.8	1533.9
1468.9	10°	1476.0	1484.3	1506.2	1529.4	1553.2	1573.2	1583.5	1591.8	1595.1	1596.4
1527.5	12.5°	1532.0	1544.2	1572.5	1600.9	1626.0	1643.3	1645.9	1644.0	1635.0	1627.2
1599.6	15°	1600.9	1611.8	1643.3	1674.2	1698.7	1701.9	1685.8	1675.5	1664.6	1662.7
1680.0	17.5°	1683.2	1689.0	1718.0	1748.3	1750.2	1739.3	1715.4	1705.8	1695.5	1688.4
1785.0	20°	1779.2	1777.2	1797.8	1810.7	1797.2	1763.7	1727.7	1711.6	1701.3	1692.9
1913.7	22.5°	1893.7	1878.9	1876.4	1873.1	1837.1	1766.9	1718.0	1697.4	1681.3	1669.7
2093.3	25°	2060.5	2003.8	1964.5	1942.7	1861.6	1749.5	1687.1	1641.4	1611.2	1591.2
2312.8	27.5°	2269.0	2173.7	2074.6	2021.2	1861.6	1714.1	1612.4	1538.4	1488.9	1468.3
2525.2	30°	2467.9	2368.1	2222.0	2115.8	1857.0	1656.2	1492.1	1389.1	1331.2	1310.6
2706.7	32.5°	2637.8	2529.1	2378.4	2219.4	1846.1	1562.2	1342.7	1228.8	1172.8	1148.3
2886.3	35°	2795.5	2679.7	2535.5	2333.4	1817.1	1424.5	1178.6	1091.7	1029.3	990.0
3069.1	37.5°	2957.1	2819.4	2684.2	2436.4	1765.0	1263.6	1052.4	978.4	905.0	852.2
3263.5	40°	3132.8	2968.1	2843.2	2497.5	1679.4	1110.4	954.6	887.0	809.1	753.1
3487.5	42.5°	3338.2	3146.4	3020.2	2529.1	1562.2	1001.6	890.9	824.6	751.2	705.5
3727.6	45°	3552.5	3342.7	3181.8	2528.4	1431.6	950.7	870.3	804.6	723.5	675.9
3974.1	47.5°	3777.2	3548.0	3321.4	2487.2	1318.3	957.8	858.7	761.5	672.0	625.7
4223.3	50°	4002.5	3772.7	3456.6	2410.0	1270.0	942.4	815.6	701.0	595.4	553.6
4456.9	52.5°	4225.8	4011.5	3573.1	2299.9	1221.1	885.1	760.2	622.4	563.9	534.9
4698.3	55°	4450.5	4247.7	3699.9	2139.6	1098.8	818.1	667.5	592.8	538.8	512.4
4934.5	57.5°	4675.8	4520.6	3820.3	1979.3	944.9	735.7	616.7	556.8	513.7	491.1
5132.1	60°	4910.1	4832.8	3944.5	1831.9	793.0	630.2	579.3	527.8	484.1	459.0
5322.0	62.5°	5151.5	5176.6	4041.7	1642.1	653.3	565.8	545.8	493.1	450.6	426.8
5479.1	65°	5394.8	5508.1	4105.5	1378.8	529.8	504.7	509.8	455.1	412.0	391.4
5594.3	67.5°	5578.2	5746.9	4087.4	1043.4	434.5	446.7	464.7	415.2	374.6	358.5
5575.6	70°	5598.8	5718.5	3909.8	714.5	363.7	390.1	414.5	375.9	334.1	322.5
5313.0	72.5°	5324.6	5332.3	3414.8	466.7	307.7	342.4	361.8	336.0	295.5	283.9
4648.1	75°	4605.6	4409.9	2507.2	307.7	257.5	294.2	312.2	294.2	254.9	257.5
3477.9	77.5°	3489.4	3123.2	1522.3	218.9	215.0	247.2	271.6	258.8	225.3	253.0
1748.9	80°	1797.8	1689.7	679.1	163.5	169.9	197.6	223.4	206.6	178.3	169.9
390.7	82.5°	412.0	478.9	267.8	117.2	122.9	142.3	170.6	155.1	128.1	108.1
162.9	85°	144.2	157.7	118.4	73.4	72.1	88.8	115.9	103.6	86.9	69.5
68.9	87.5°	45.7	59.9	44.4	29.6	30.9	39.9	53.4	48.9	40.6	26.4
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

<u>180°</u>
1367.2
1404.5
1463.8
1531.3
1593.1
1627.2
1662.7
1689.0
1693.5
1673.6
1598.9
1478.6
1322.8
1160.6
1002.9
866.4
764.1
714.5
683.6
632.1
556.1
534.9
509.8
487.3
457.0
426.1
390.7
359.2
323.1
283.2
248.5
222.7
155.1
106.9
73.4
27.7
0.0

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