

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: P940278

Luminaire Tested: **GALN-SB3B-735-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12792 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

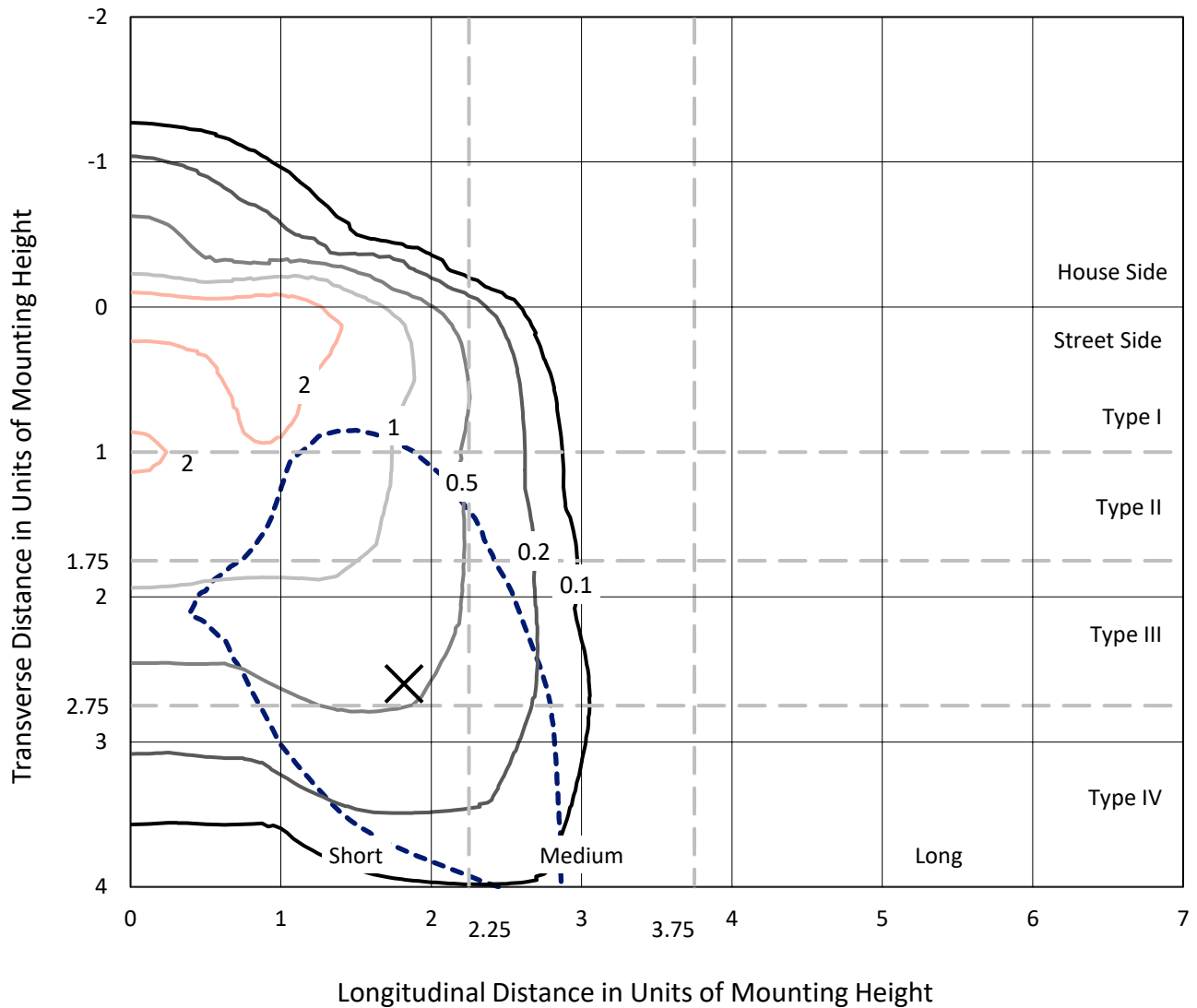
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

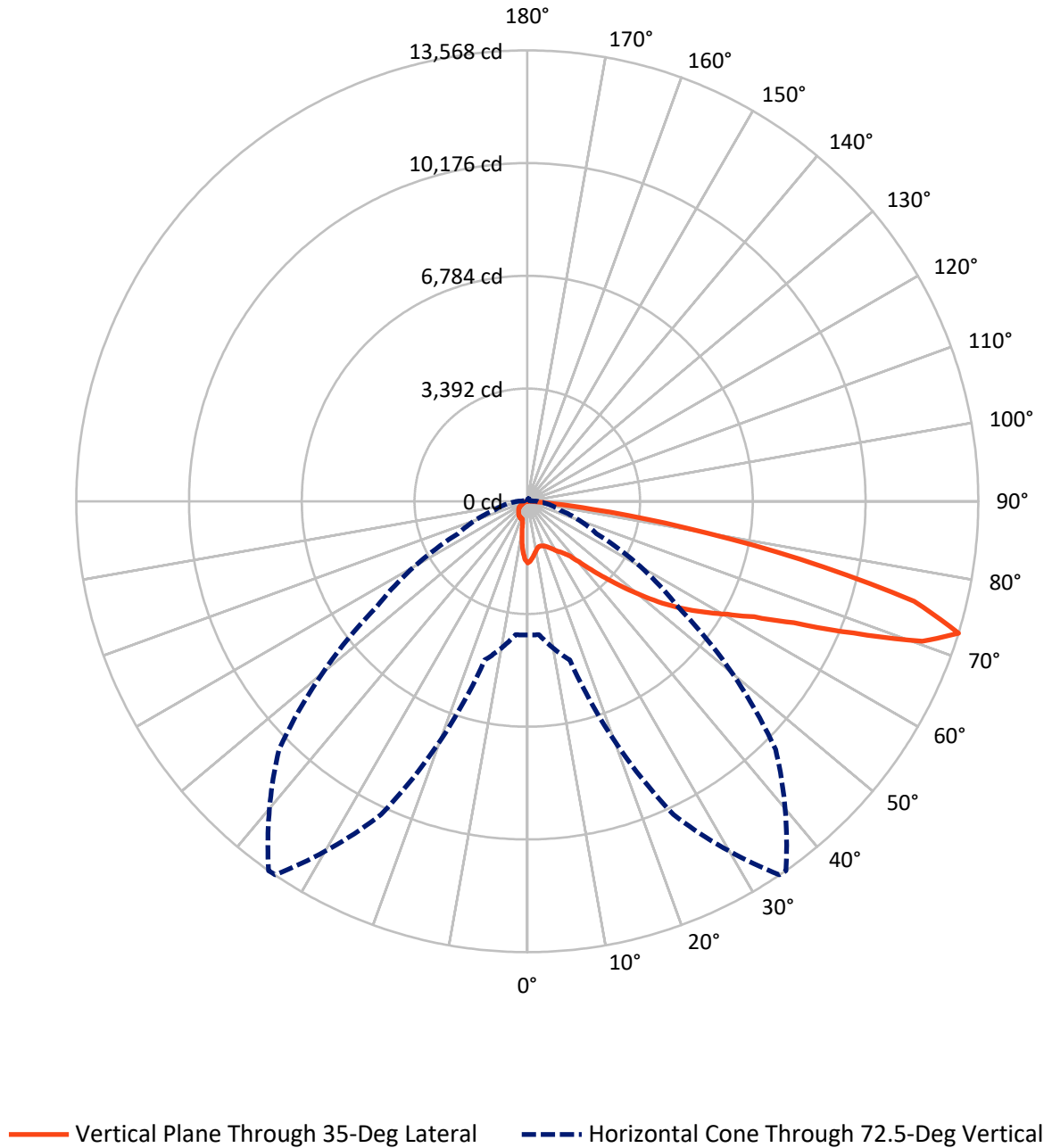
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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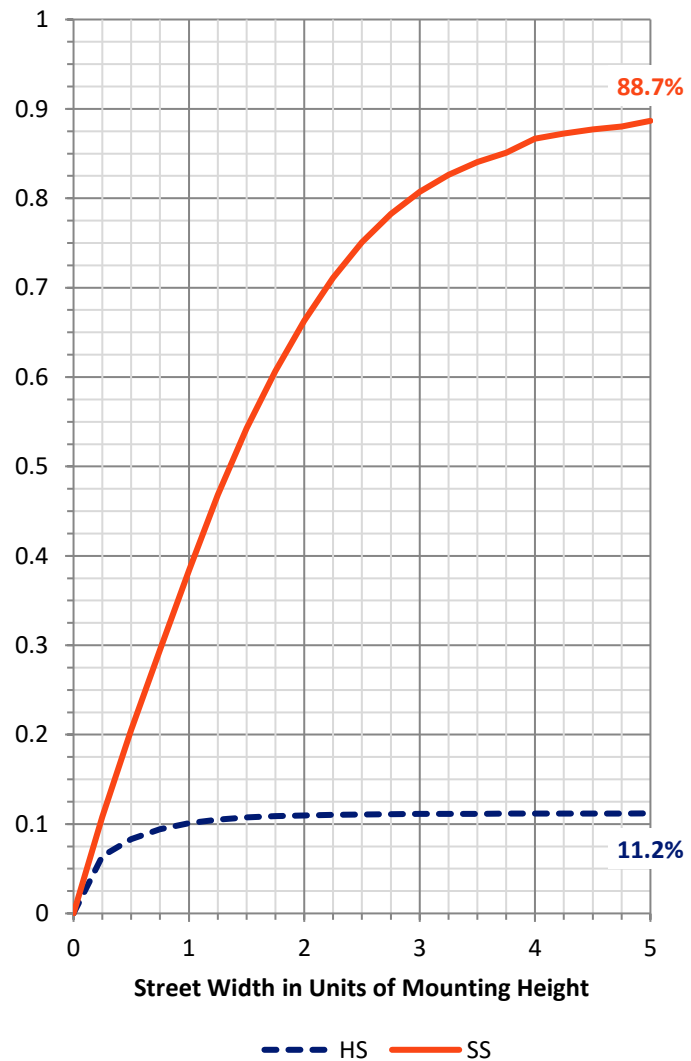
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1439.7	0.0	1439.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	11352.3	0.0	11352.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	12792.0	0.0	12792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	1.2
10°-20°	356.4	2.8
20°-30°	579.0	4.5
30°-40°	966.0	7.6
40°-50°	1827.7	14.3
50°-60°	2904.2	22.7
60°-70°	3592.7	28.1
70°-80°	2233.2	17.5
80°-90°	180.5	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°	12792.0	100.0
0°-180°	12792.0	100.0

Coefficient of Utilization



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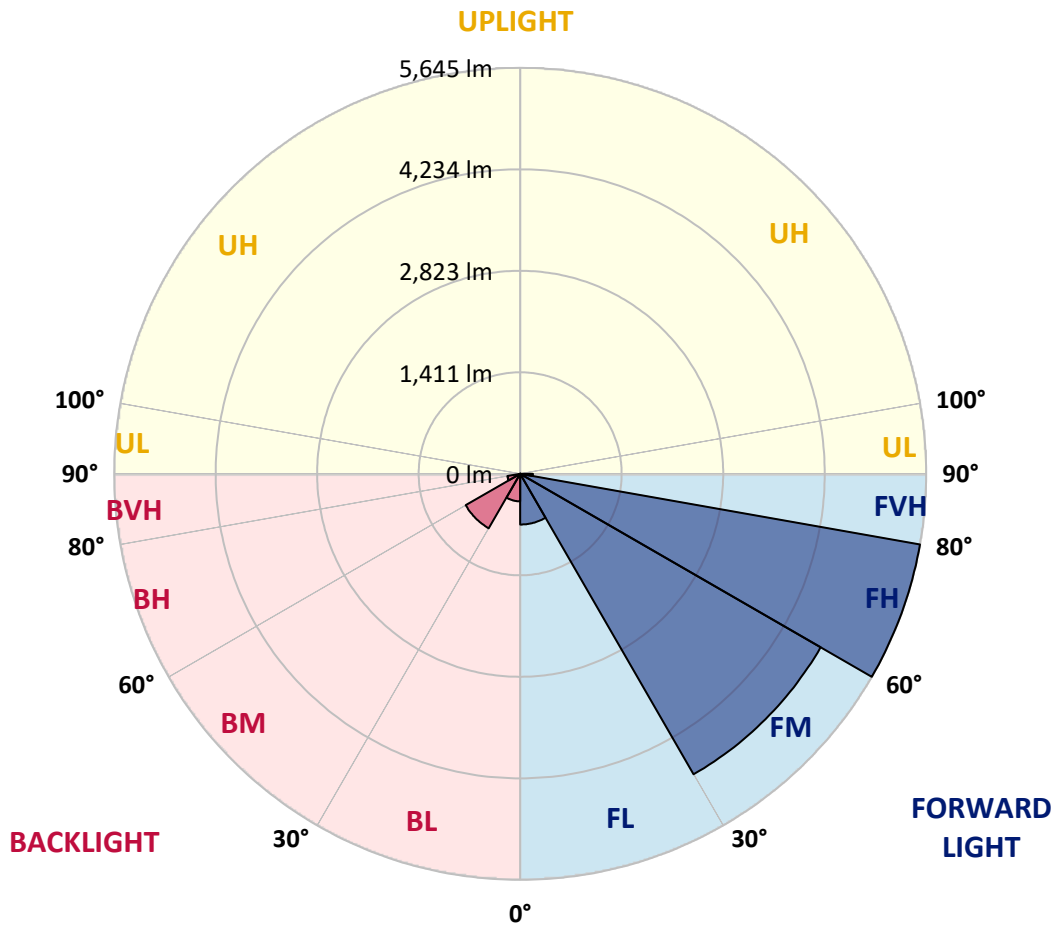
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	705.2	5.5			
FM (30°-60°)	4823.9	37.7			
FH (60°-80°)	5645.3	44.1			G3/7500
FVH (80°-90°)	178.0	1.4			G2/225
BL (0°-30°)	382.6	3.0	B1/500		
BM (30°-60°)	874.0	6.8	B1/1000		
BH (60°-80°)	180.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0
2.5°	1771.5	1786.5	1789.3	1794.0	1794.0	1799.6	1809.0	1822.1	1843.7	1854.9
5°	1632.8	1644.0	1658.1	1669.3	1690.9	1693.7	1730.3	1765.9	1815.6	1853.1
7.5°	1493.1	1506.2	1525.0	1552.2	1580.3	1588.7	1644.0	1704.0	1782.8	1853.1
10°	1394.7	1395.6	1412.5	1439.7	1484.7	1495.0	1562.5	1647.8	1746.2	1841.8
12.5°	1339.4	1346.0	1353.5	1374.1	1417.2	1423.8	1495.9	1596.2	1709.6	1835.2
15°	1339.4	1344.1	1348.8	1359.1	1393.8	1399.4	1463.1	1563.4	1690.9	1838.1
17.5°	1353.5	1361.0	1357.2	1369.4	1406.0	1409.7	1465.9	1554.1	1690.0	1855.9
20°	1387.2	1392.8	1385.3	1392.8	1429.4	1436.9	1495.0	1571.9	1705.9	1886.8
22.5°	1440.6	1443.5	1425.6	1431.3	1468.8	1478.1	1545.6	1622.5	1744.3	1936.5
25°	1508.1	1513.7	1486.6	1493.1	1528.7	1540.0	1617.8	1698.4	1805.2	2004.9
27.5°	1585.9	1588.7	1565.3	1564.4	1610.3	1626.2	1705.0	1792.1	1886.8	2091.1
30°	1675.0	1683.4	1660.9	1657.2	1715.3	1728.4	1806.2	1907.4	2006.8	2220.5
32.5°	1745.3	1751.8	1738.7	1748.1	1807.1	1817.4	1929.0	2070.5	2195.2	2404.2
35°	1846.5	1850.2	1820.2	1837.1	1904.6	1930.8	2096.8	2299.2	2432.3	2634.8
37.5°	2213.0	2213.0	2085.5	2002.1	2066.8	2090.2	2326.4	2587.0	2724.7	2944.1
40°	2720.1	2711.6	2525.1	2354.5	2346.1	2392.0	2653.5	2949.7	3102.5	3315.2
42.5°	3260.9	3247.8	2993.8	2825.0	2796.9	2812.9	3031.2	3396.8	3552.4	3768.0
45°	3740.8	3737.0	3504.6	3277.8	3227.1	3277.8	3502.7	3919.8	4031.3	4258.2
47.5°	4142.9	4142.9	3973.2	3825.1	3798.9	3828.9	4141.0	4500.0	4489.7	4780.3
50°	4605.9	4602.2	4441.0	4377.2	4404.4	4446.6	4875.9	5111.1	4964.0	5293.0
52.5°	4930.2	4952.7	4897.4	4887.1	5025.8	5098.9	5622.0	5709.1	5388.6	5779.4
55°	5187.0	5213.3	5277.0	5349.2	5616.3	5711.9	6344.6	6276.2	5743.8	6201.2
57.5°	5550.7	5513.2	5611.6	5754.1	6186.2	6301.5	7044.8	6811.4	6029.7	6543.3
60°	5992.2	5997.8	6014.7	6194.7	6755.2	6903.3	7734.6	7317.5	6213.4	6753.3
62.5°	6522.7	6531.1	6565.8	6842.3	7519.1	7658.7	8469.5	7731.8	6297.8	6694.2
65°	6486.2	6521.8	6908.9	7854.6	8680.4	8818.2	9327.1	8022.4	6170.3	6154.3
67.5°	5908.8	5966.9	6614.6	9063.7	10431.3	10585.0	10363.8	8079.6	5620.1	4785.9
70°	5151.4	5172.1	5951.0	10151.0	12458.7	12614.3	11291.7	7450.6	4264.7	2669.4
72.5°	4022.9	4027.6	4941.5	10403.2	13559.1	13567.5	10563.4	5531.0	2293.6	1025.4
75°	2873.8	2845.7	3309.6	8436.7	11929.1	12024.7	7919.3	2594.5	876.4	484.6
77.5°	1540.9	1571.9	1872.7	5003.3	8240.8	8403.9	4321.0	748.0	446.2	329.9
80°	476.2	502.4	767.7	2290.8	4667.8	4766.2	1601.9	332.7	311.2	235.3
82.5°	150.0	155.6	358.1	962.6	1937.4	1982.4	464.0	188.4	212.8	155.6
85°	43.1	44.1	159.3	359.0	479.0	488.3	130.3	73.1	121.8	96.5
87.5°	4.7	15.0	60.0	60.0	42.2	41.2	14.1	15.9	34.7	12.2
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°
1854.0	0°	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0	1854.0
1862.4	2.5°	1857.7	1858.7	1846.5	1825.9	1803.4	1784.6	1761.2	1742.5	1729.3	1725.6
1879.3	5°	1870.9	1864.3	1829.6	1766.8	1691.8	1627.2	1555.0	1497.8	1460.3	1444.4
1897.1	7.5°	1890.5	1871.8	1795.9	1672.2	1528.7	1401.3	1271.9	1171.6	1107.9	1076.0
1914.0	10°	1907.4	1869.9	1739.6	1535.3	1316.0	1122.9	948.6	827.6	760.2	728.3
1933.7	12.5°	1923.4	1869.0	1666.5	1373.2	1076.0	839.8	677.7	617.7	598.9	592.4
1965.5	15°	1953.3	1871.8	1574.7	1187.6	837.0	634.6	575.5	574.6	578.3	576.4
2014.3	17.5°	1994.6	1874.6	1470.6	990.7	645.8	559.6	556.8	565.2	570.8	568.0
2075.2	20°	2048.0	1885.9	1360.0	795.8	554.9	540.8	547.4	554.9	559.6	554.9
2156.7	22.5°	2123.0	1905.5	1239.1	639.2	525.8	529.6	535.2	543.6	548.3	541.8
2260.8	25°	2214.9	1936.5	1120.1	555.8	511.8	516.5	524.9	534.3	539.9	533.3
2392.0	27.5°	2333.9	1986.1	1010.4	537.1	497.7	500.5	512.7	526.8	534.3	525.8
2578.5	30°	2506.4	2067.7	915.7	545.5	489.3	482.7	499.6	519.3	527.7	520.2
2832.5	32.5°	2735.1	2183.0	857.6	558.6	485.5	462.1	478.0	503.3	517.4	512.7
3164.3	35°	3035.0	2358.3	835.1	573.6	482.7	440.5	451.8	479.0	503.3	508.0
3582.4	37.5°	3398.7	2602.0	841.7	580.2	474.3	422.7	428.3	451.8	483.6	498.6
4052.9	40°	3812.0	2886.0	879.2	573.6	464.9	407.7	408.7	426.5	454.6	477.1
4559.1	42.5°	4238.5	3217.8	948.6	549.3	456.5	394.6	391.8	404.0	422.7	438.7
5064.3	45°	4644.3	3558.9	1017.0	515.5	446.2	381.5	374.9	379.6	383.4	389.9
5556.3	47.5°	4998.6	3798.9	997.3	484.6	432.1	366.5	355.2	353.4	342.1	341.2
5995.9	50°	5243.3	3851.4	885.8	453.7	411.5	349.6	331.8	320.6	300.9	291.5
6324.9	52.5°	5321.1	3644.2	723.6	422.7	377.7	327.1	301.8	284.0	259.6	251.2
6514.3	55°	5218.0	3238.4	578.3	385.2	330.9	297.1	269.0	245.6	225.9	215.6
6534.9	57.5°	4965.8	2721.9	457.4	341.2	281.2	263.4	235.3	211.8	195.0	184.6
6306.2	60°	4547.8	2161.4	361.8	288.7	240.0	226.8	197.8	182.8	167.8	155.6
5715.7	62.5°	3913.2	1542.8	284.0	228.7	200.6	185.6	168.7	157.5	139.7	122.8
4653.7	65°	3053.7	943.9	219.3	167.8	161.2	153.7	143.4	133.1	111.5	94.7
3035.9	67.5°	1926.2	447.1	156.5	126.5	127.5	123.7	119.0	110.6	94.7	79.7
1360.0	70°	848.3	216.5	103.1	96.5	94.7	94.7	98.4	95.6	80.6	66.5
472.4	72.5°	288.7	116.2	76.9	73.1	68.4	67.5	82.5	79.7	64.7	51.6
235.3	75°	150.9	77.8	56.2	52.5	41.2	49.7	65.6	61.9	45.9	33.7
155.6	77.5°	98.4	55.3	38.4	33.7	23.4	32.8	48.7	43.1	27.2	16.9
102.2	80°	61.9	36.6	22.5	15.9	11.2	17.8	26.2	18.7	10.3	3.7
60.0	82.5°	32.8	18.7	8.4	5.6	4.7	5.6	6.6	4.7	1.9	0.0
30.9	85°	13.1	6.6	2.8	1.9	0.9	0.0	1.9	0.9	0.0	0.0
5.6	87.5°	4.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
1854.0
1732.1
1450.0
1080.7
729.2
590.5
575.5
567.1
553.9
540.8
532.4
525.8
519.3
512.7
508.0
502.4
484.6
445.2
393.7
340.2
292.4
250.3
215.6
182.8
152.8
120.0
91.9
77.8
63.7
48.7
30.9
15.0
2.8
0.0
0.0
0.0
0.0

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