

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: P940549

Luminaire Tested: **GALN-SB3C-930-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3C-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15450 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

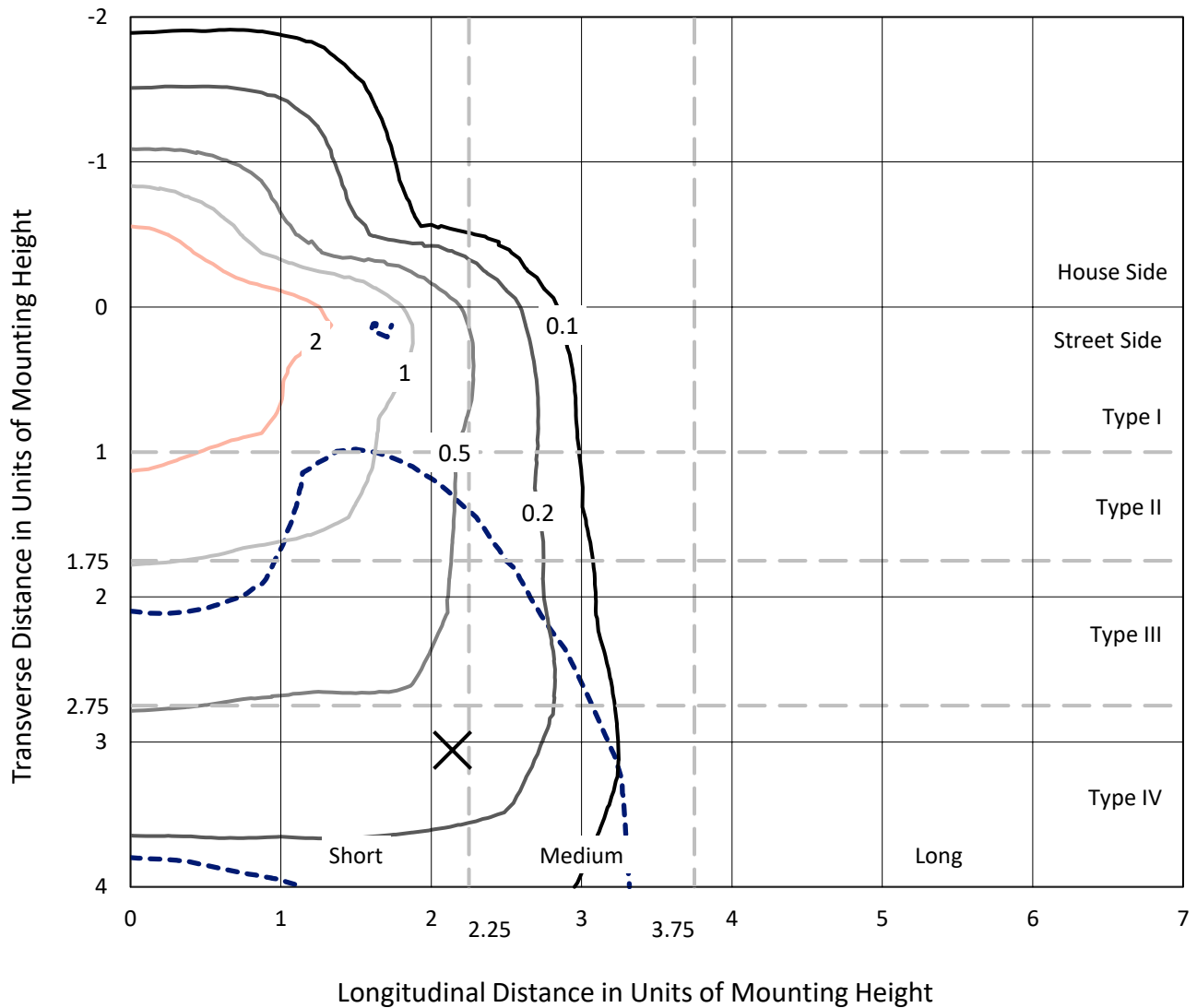
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940549
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Iso-Footcandle Lines of Horizontal Illumination

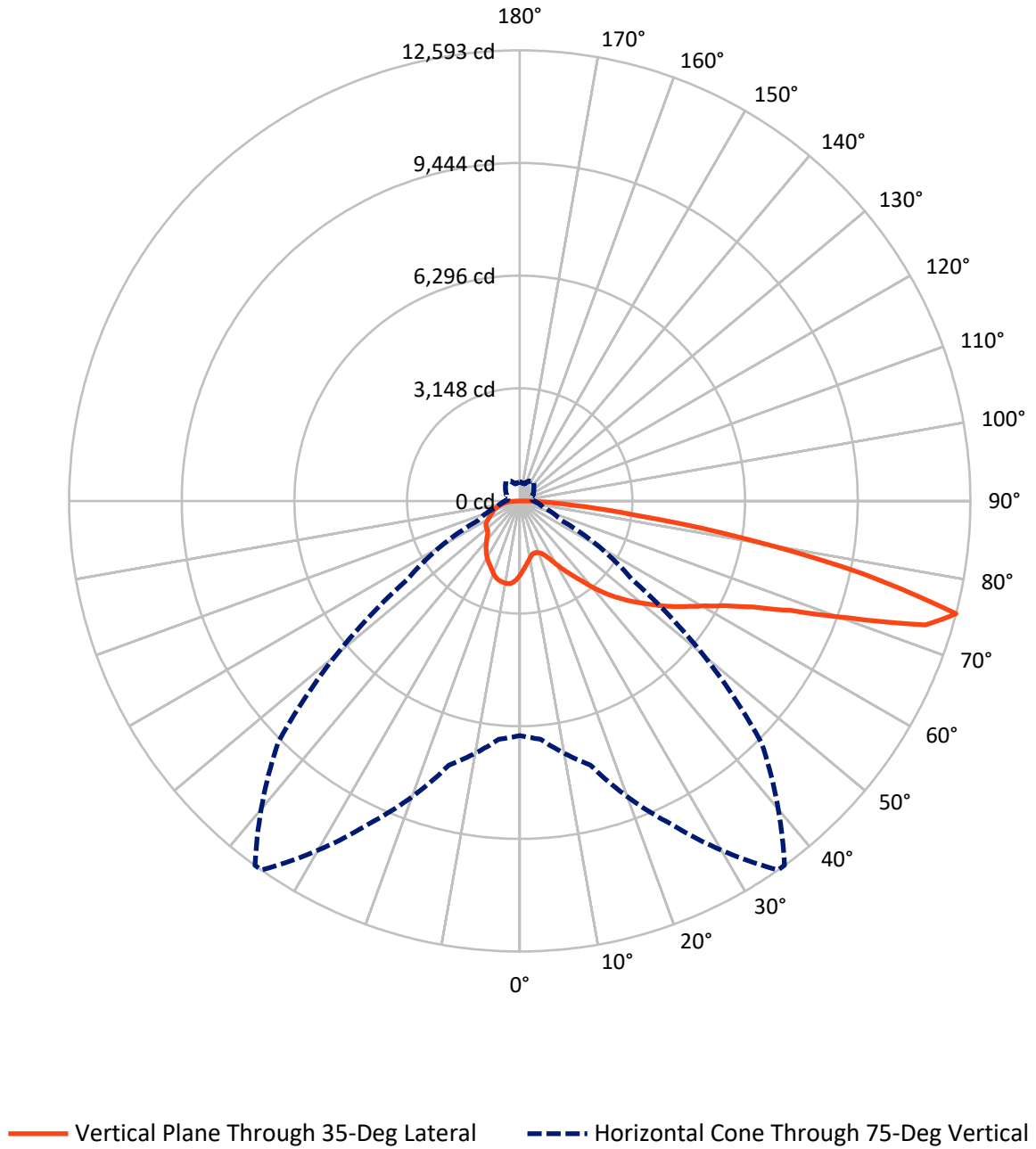
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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CATALOG NUMBER: GALN-SB3C-930-U-T4FT

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3676.7	0.0	3676.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	11773.3	0.0	11773.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	15450.0	0.0	15450.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.9	1.3
10°-20°	562.3	3.6
20°-30°	944.2	6.1
30°-40°	1467.4	9.5
40°-50°	2178.0	14.1
50°-60°	3006.9	19.5
60°-70°	3648.0	23.6
70°-80°	3014.8	19.5
80°-90°	433.6	2.8
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°	15450.0	100.0
0°-180°	15450.0	100.0



REPORT NUMBER: P940549

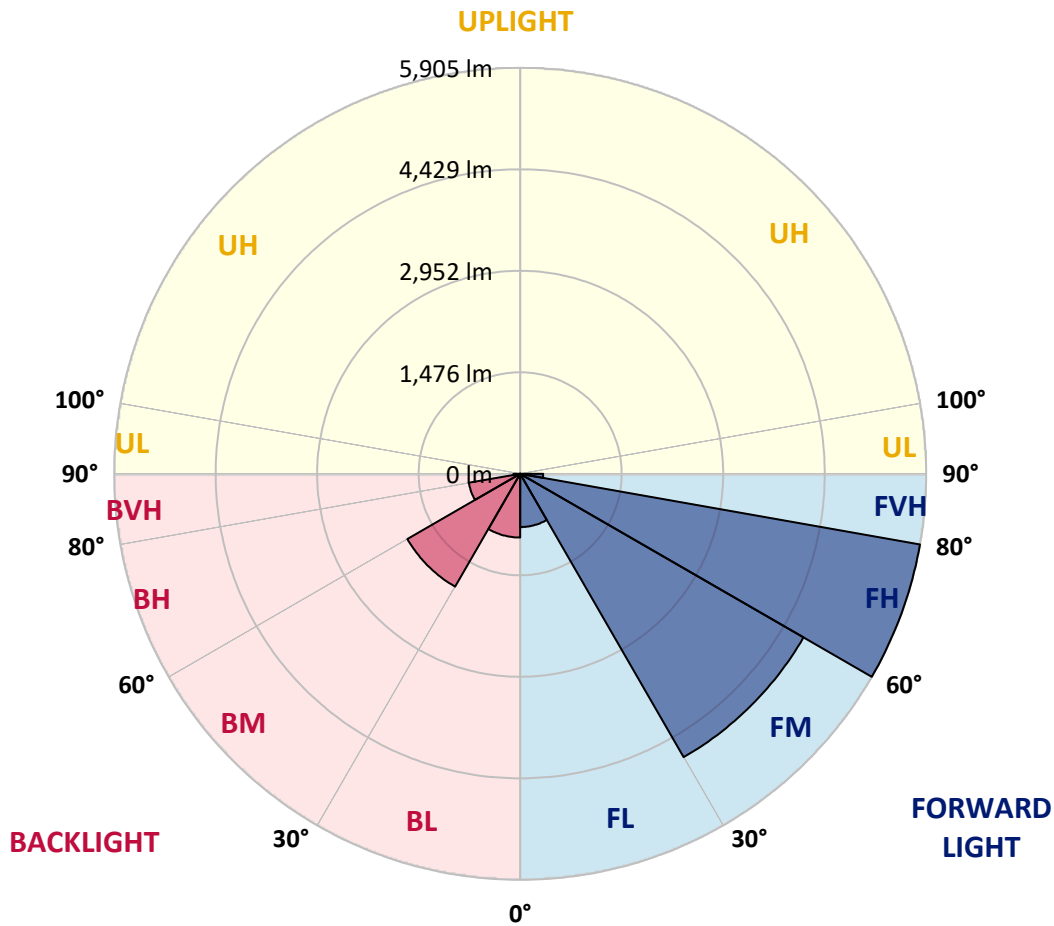
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.8	5.0			
FM (30°-60°)	4757.8	30.8			
FH (60°-80°)	5904.8	38.2			G3/7500
FVH (80°-90°)	336.0	2.2			G3/500
BL (0°-30°)	926.6	6.0	B2/1000		
BM (30°-60°)	1894.5	12.3	B2/2500		
BH (60°-80°)	758.0	4.9	B2/1000		G2/1000
BVH (80°-90°)	97.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CATALOG NUMBER: GALN-SB3C-930-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8
2.5°	1898.5	1910.1	1915.2	1912.7	1925.2	1923.5	1941.1	1962.8	1992.8	2022.1
5°	1752.3	1764.8	1775.7	1785.7	1809.9	1817.4	1845.0	1886.8	1941.9	1997.8
7.5°	1616.2	1627.0	1643.7	1662.1	1703.0	1710.5	1756.5	1821.6	1898.5	1980.3
10°	1505.1	1515.9	1533.5	1554.3	1605.3	1614.5	1672.9	1759.8	1860.0	1963.6
12.5°	1457.5	1460.8	1470.8	1491.7	1536.0	1541.8	1606.1	1705.5	1822.4	1951.1
15°	1455.0	1461.6	1462.5	1473.3	1510.1	1512.6	1571.9	1670.4	1799.1	1948.6
17.5°	1480.0	1485.0	1477.5	1484.2	1515.1	1519.3	1566.0	1653.7	1791.5	1959.4
20°	1546.8	1551.0	1528.5	1519.3	1541.8	1545.2	1591.1	1664.6	1799.1	1982.0
22.5°	1688.8	1691.3	1636.2	1598.6	1600.3	1602.0	1642.0	1708.9	1828.3	2022.9
25°	1910.1	1908.5	1820.8	1748.1	1706.4	1697.2	1723.9	1780.7	1877.6	2077.2
27.5°	2169.1	2156.5	2068.8	1960.3	1869.2	1855.9	1850.0	1874.2	1947.7	2149.0
30°	2461.4	2449.7	2355.3	2213.3	2087.2	2065.5	2010.4	1997.8	2052.1	2246.7
32.5°	2782.1	2774.6	2661.8	2489.8	2321.1	2296.0	2203.3	2169.9	2212.5	2394.6
35°	3051.1	3044.4	2950.8	2773.8	2567.5	2536.6	2442.2	2404.6	2426.3	2584.2
37.5°	3294.1	3290.8	3210.6	3071.1	2858.1	2820.5	2714.5	2701.9	2697.8	2833.9
40°	3519.6	3511.3	3427.7	3354.2	3196.4	3162.1	3068.6	3057.7	3026.0	3141.3
42.5°	3769.3	3747.6	3626.5	3592.3	3549.7	3521.3	3465.3	3467.0	3396.8	3487.9
45°	3973.1	3960.6	3836.2	3816.1	3862.1	3850.4	3898.8	3911.3	3775.2	3851.2
47.5°	4192.0	4180.3	4075.0	4060.8	4185.3	4188.6	4359.8	4364.0	4144.4	4228.7
50°	4461.7	4445.0	4340.6	4358.2	4497.7	4510.2	4823.4	4795.0	4484.3	4612.1
52.5°	4639.6	4649.7	4627.1	4655.5	4845.9	4857.6	5279.4	5206.8	4820.9	4990.4
55°	4770.8	4790.8	4861.0	4926.1	5213.4	5225.1	5709.6	5598.5	5099.9	5341.2
57.5°	4939.5	4911.1	5042.2	5169.2	5562.6	5593.5	6128.0	5976.0	5347.1	5643.6
60°	5181.7	5161.7	5263.6	5451.5	5953.4	6002.7	6570.7	6315.9	5528.3	5883.3
62.5°	5672.8	5622.7	5638.6	5804.8	6446.2	6511.4	7070.1	6612.4	5618.5	5976.8
65°	6407.0	6320.9	6240.8	6356.0	7140.3	7204.6	7633.9	6845.5	5585.1	5795.6
67.5°	7331.6	7246.4	7147.8	7256.4	8162.6	8213.6	8329.6	6976.6	5322.0	5097.3
70°	8094.1	8062.4	8180.1	8627.0	9795.5	9797.1	9221.7	6868.0	4601.2	3614.0
72.5°	7993.1	7973.8	8594.4	9975.9	11853.4	11809.2	10066.1	6046.2	3099.5	1630.3
75°	6557.3	6681.8	7643.1	9951.6	12592.6	12586.8	9549.1	3843.7	1282.1	675.7
77.5°	3516.3	3713.4	4962.0	7347.4	9830.5	9978.4	6713.5	1344.7	550.4	432.6
80°	1146.8	1318.8	1977.8	3740.9	6387.8	6360.2	2877.3	527.9	376.7	306.5
82.5°	486.9	507.0	883.7	1766.5	3278.2	3227.3	916.2	303.2	264.8	209.6
85°	190.4	213.0	390.0	816.8	1419.9	1389.0	330.7	150.3	169.5	137.0
87.5°	62.6	76.0	139.5	279.8	441.8	426.0	81.0	51.8	73.5	62.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940549
 CATALOG NUMBER: GALN-SB3C-930-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2058.8	0°	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8	2058.8
2064.7	2.5°	2076.4	2089.7	2105.6	2129.0	2149.0	2165.7	2183.3	2194.1	2198.3	2210.8
2068.0	5°	2091.4	2120.6	2159.9	2198.3	2235.9	2258.4	2278.5	2288.5	2297.7	2304.4
2077.2	7.5°	2116.4	2154.0	2215.8	2266.0	2297.7	2316.1	2329.4	2326.1	2329.4	2331.1
2087.2	10°	2138.2	2190.8	2264.3	2311.9	2336.1	2336.9	2333.6	2321.9	2316.1	2316.9
2102.2	12.5°	2164.1	2222.5	2301.9	2342.0	2348.6	2330.3	2316.1	2296.0	2288.5	2285.2
2124.8	15°	2199.1	2266.0	2342.8	2357.8	2341.1	2317.7	2293.5	2260.9	2244.2	2230.9
2163.2	17.5°	2241.7	2315.2	2374.5	2363.7	2327.8	2289.3	2250.1	2200.8	2166.6	2152.4
2215.8	20°	2301.0	2367.0	2398.8	2351.1	2296.9	2238.4	2171.6	2111.4	2079.7	2065.5
2282.7	22.5°	2372.9	2436.3	2422.1	2329.4	2252.6	2159.0	2075.5	2031.3	2015.4	2005.4
2368.7	25°	2458.9	2513.2	2438.8	2297.7	2179.9	2053.8	1989.5	1975.3	1967.8	1960.3
2473.9	27.5°	2570.8	2600.0	2451.4	2250.9	2066.3	1941.9	1918.5	1921.0	1918.5	1906.0
2620.1	30°	2718.6	2712.8	2463.1	2174.9	1936.0	1840.8	1842.5	1853.4	1855.0	1846.7
2823.9	32.5°	2913.2	2853.9	2468.9	2076.4	1811.6	1752.3	1754.0	1765.7	1774.0	1759.8
3090.3	35°	3148.8	3018.5	2459.7	1952.7	1715.5	1667.9	1655.4	1658.7	1661.3	1647.9
3413.5	37.5°	3423.6	3203.1	2418.8	1815.8	1636.2	1585.2	1558.5	1536.0	1522.6	1510.1
3779.4	40°	3725.1	3404.4	2343.6	1682.1	1547.7	1497.5	1457.5	1414.9	1369.8	1353.1
4166.9	42.5°	4040.8	3611.5	2252.6	1554.3	1445.8	1404.8	1362.2	1300.4	1232.8	1198.5
4569.5	45°	4368.2	3823.6	2163.2	1428.2	1341.4	1323.8	1274.5	1200.2	1126.7	1083.3
4972.9	47.5°	4688.9	4024.1	2032.1	1301.3	1243.6	1262.9	1224.4	1155.9	1074.1	1005.6
5373.0	50°	4995.5	4212.0	1817.4	1172.6	1164.3	1244.5	1207.7	1109.2	1015.6	927.9
5765.5	52.5°	5299.5	4364.0	1542.7	1055.7	1121.7	1239.5	1186.0	1077.4	963.0	871.1
6134.7	55°	5557.6	4442.5	1277.9	955.5	1059.9	1196.9	1160.1	1039.8	888.7	791.0
6387.8	57.5°	5704.6	4379.1	1057.4	856.9	974.7	1126.7	1115.9	959.7	800.1	725.0
6437.0	60°	5641.1	4121.8	877.0	770.9	893.7	1050.7	1039.0	880.3	732.5	661.5
6173.1	62.5°	5291.1	3631.5	734.2	695.7	820.2	973.0	962.2	819.4	680.7	612.2
5472.4	65°	4586.2	2954.2	623.1	633.1	745.9	879.5	895.4	768.4	639.8	573.0
4233.7	67.5°	3497.9	2139.8	536.2	578.8	673.2	787.6	833.5	731.7	605.5	542.1
2449.7	70°	1993.7	1215.2	462.7	526.2	608.9	702.4	785.9	702.4	568.8	516.2
917.9	72.5°	755.9	557.9	400.1	473.6	547.1	630.6	733.3	656.5	526.2	486.9
474.4	75°	403.4	339.9	336.6	411.8	476.1	560.4	667.3	611.4	494.5	514.5
328.2	77.5°	274.8	240.5	281.5	352.5	398.4	482.8	597.2	542.9	428.5	426.8
227.2	80°	190.4	170.4	228.9	284.0	308.2	405.9	521.2	466.1	349.1	325.7
140.3	82.5°	114.4	111.1	171.2	212.1	218.0	313.2	431.8	390.9	285.6	248.9
83.5	85°	62.6	66.0	109.4	124.4	127.0	218.8	338.3	302.3	219.7	184.6
30.1	87.5°	17.5	22.6	40.1	49.3	61.0	113.6	201.3	179.6	110.2	76.8
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>
2058.8
2210.0
2306.0
2333.6
2318.6
2283.5
2235.0
2153.2
2063.8
2007.0
1960.3
1908.5
1850.8
1766.5
1657.1
1518.4
1360.6
1202.7
1079.9
998.1
920.4
861.1
782.6
714.9
651.5
601.4
562.1
532.0
509.5
480.3
531.2
393.4
311.5
250.6
186.3
76.8
0.0

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