

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: P940569

Luminaire Tested: **GALN-SB3C-940-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940569  
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-940-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

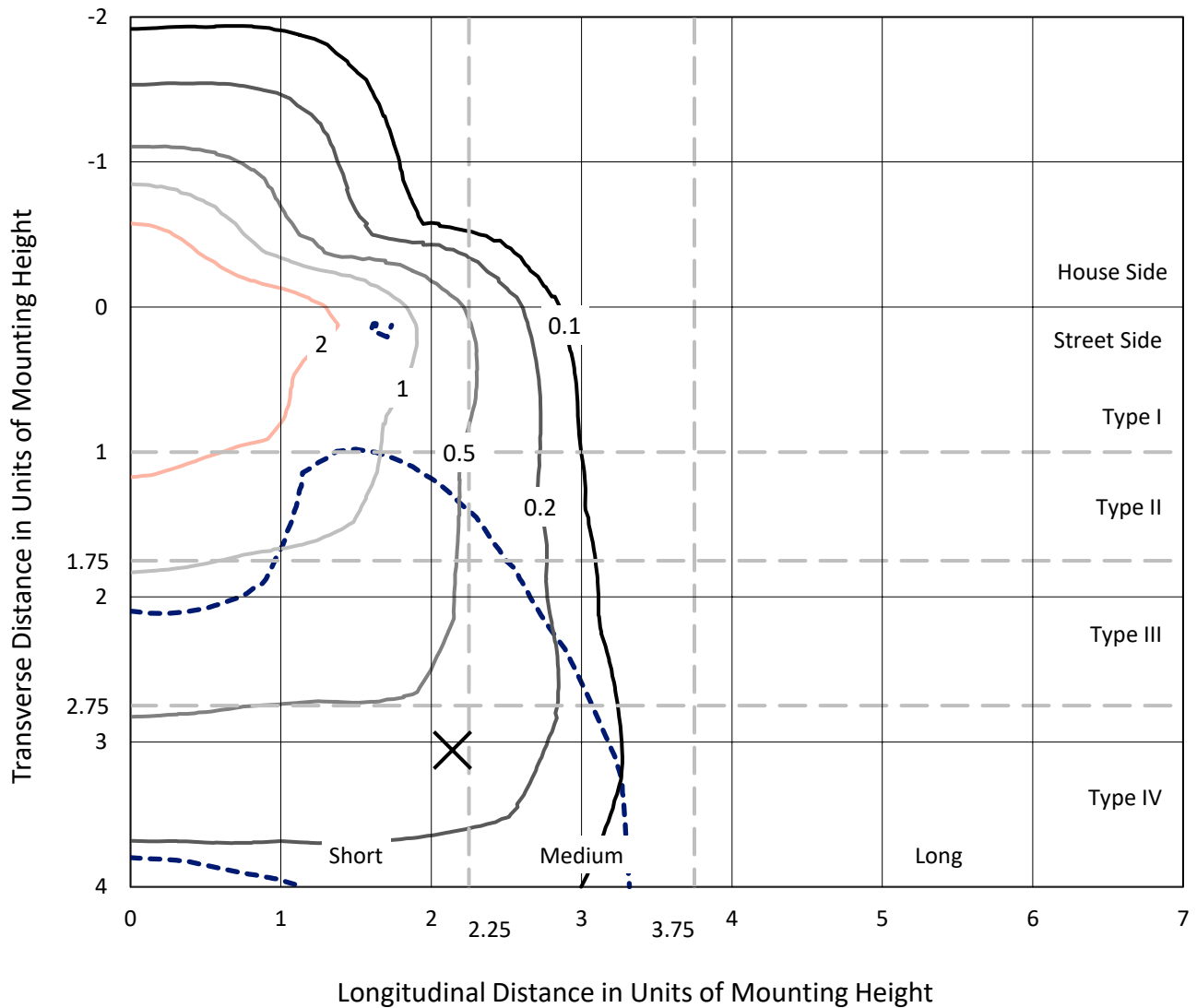
Lumens per Lamp: N/A  
Luminaire Lumens: 16093 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

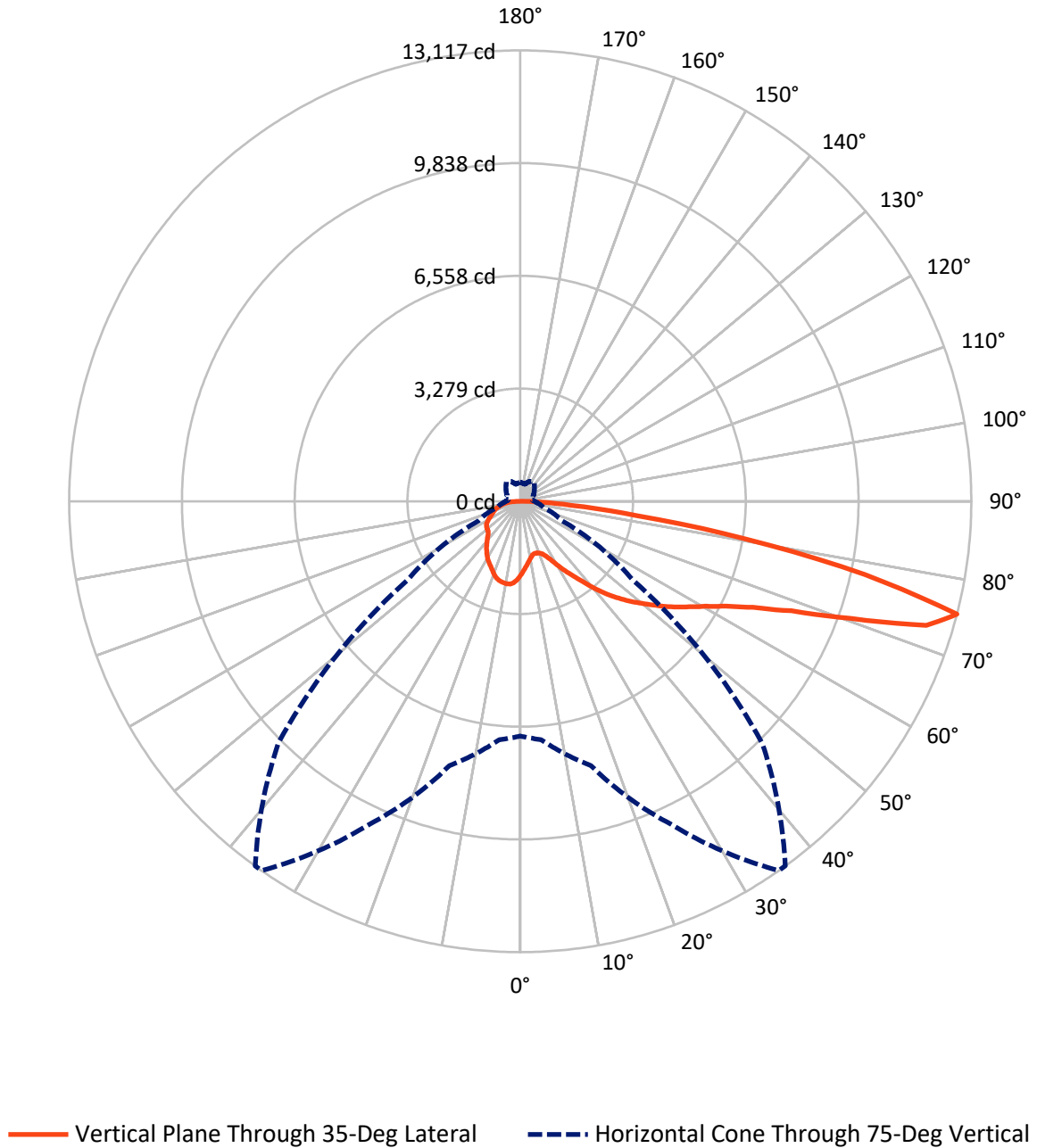
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
 Type IV - 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	3829.7	0.0	3829.7
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	12263.3	0.0	12263.3
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	16093.0	0.0	16093.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.0	1.3
10°-20°	585.7	3.6
20°-30°	983.5	6.1
30°-40°	1528.5	9.5
40°-50°	2268.6	14.1
50°-60°	3132.0	19.5
60°-70°	3799.8	23.6
70°-80°	3140.3	19.5
80°-90°	451.7	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°	16093.0	100.0
0°-180°	16093.0	100.0

**Coefficient of Utilization**



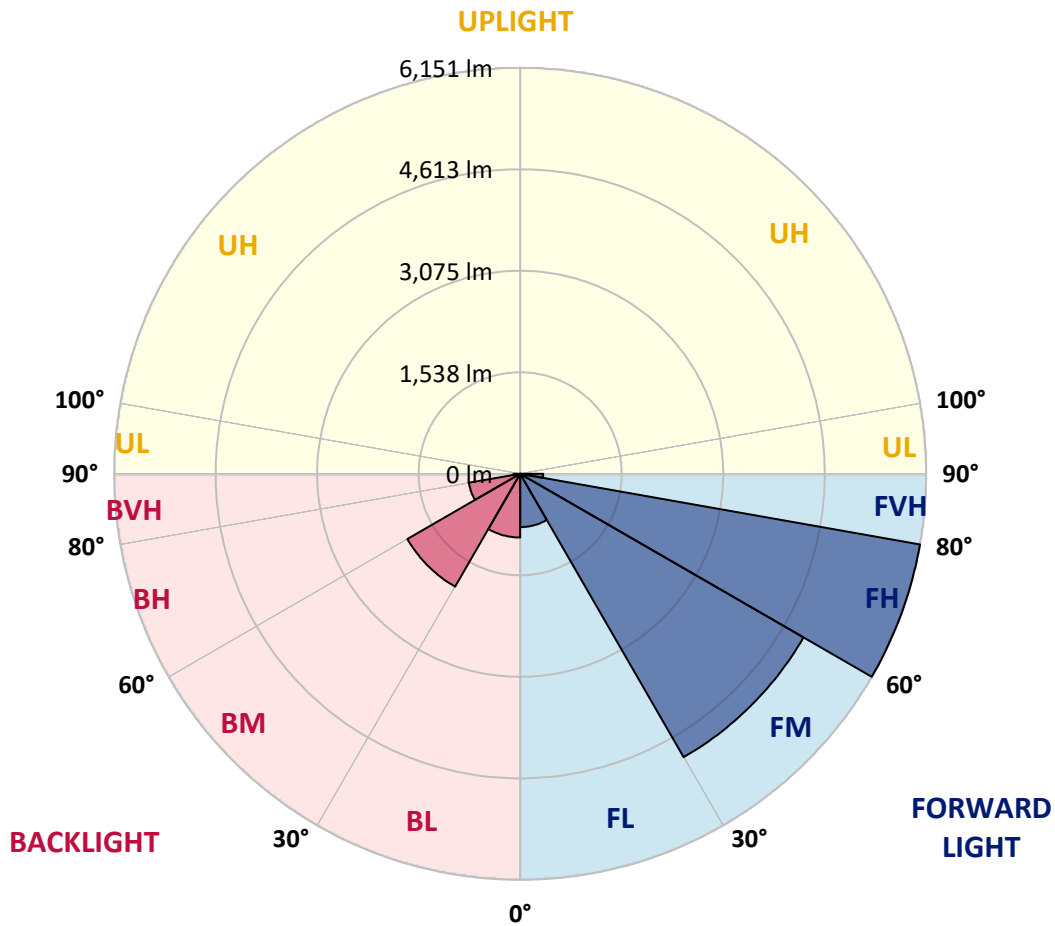
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	807.0	5.0			
FM (30°-60°)	4955.8	30.8			
FH (60°-80°)	6150.5	38.2			G3/7500
FVH (80°-90°)	350.0	2.2			G3/500
BL (0°-30°)	965.1	6.0	B2/1000		
BM (30°-60°)	1973.3	12.3	B2/2500		
BH (60°-80°)	789.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	101.7	0.6			G2/225
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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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5
2.5°	1977.5	1989.6	1994.9	1992.3	2005.3	2003.6	2021.8	2044.5	2075.8	2106.2
5°	1825.2	1838.3	1849.6	1860.0	1885.2	1893.1	1921.8	1965.3	2022.7	2081.0
7.5°	1683.4	1694.7	1712.1	1731.3	1773.9	1781.7	1829.6	1897.4	1977.5	2062.7
10°	1567.7	1579.0	1597.3	1619.0	1672.1	1681.7	1742.6	1833.0	1937.4	2045.3
12.5°	1518.1	1521.6	1532.0	1553.8	1599.9	1606.0	1673.0	1776.5	1898.3	2032.3
15°	1515.5	1522.5	1523.3	1534.6	1572.9	1575.5	1637.3	1740.0	1873.9	2029.7
17.5°	1541.6	1546.8	1539.0	1546.0	1578.1	1582.5	1631.2	1722.6	1866.1	2041.0
20°	1611.2	1615.6	1592.1	1582.5	1606.0	1609.5	1657.3	1733.9	1873.9	2064.5
22.5°	1759.1	1761.7	1704.3	1665.1	1666.9	1668.6	1710.4	1780.0	1904.4	2107.1
25°	1989.6	1987.9	1896.6	1820.9	1777.4	1767.8	1795.6	1854.8	1955.7	2163.6
27.5°	2259.3	2246.3	2154.9	2041.8	1947.0	1933.1	1927.0	1952.2	2028.8	2238.5
30°	2563.8	2551.7	2453.3	2305.4	2174.1	2151.5	2094.0	2081.0	2137.5	2340.2
32.5°	2897.9	2890.1	2772.6	2593.4	2417.7	2391.6	2295.0	2260.2	2304.6	2494.2
35°	3178.0	3171.1	3073.6	2889.2	2674.3	2642.1	2543.8	2504.7	2527.3	2691.7
37.5°	3431.2	3427.7	3344.2	3198.9	2977.1	2937.9	2827.4	2814.4	2810.0	2951.8
40°	3666.1	3657.4	3570.4	3493.8	3329.4	3293.7	3196.3	3185.0	3151.9	3272.0
42.5°	3926.2	3903.6	3777.5	3741.8	3697.4	3667.8	3609.5	3611.3	3538.2	3633.0
45°	4138.5	4125.4	3995.8	3974.9	4022.8	4010.6	4061.1	4074.1	3932.3	4011.5
47.5°	4366.4	4354.3	4244.6	4229.8	4359.5	4363.0	4541.3	4545.6	4316.8	4404.7
50°	4647.4	4630.0	4521.3	4539.6	4684.8	4697.9	5024.1	4994.6	4670.9	4804.0
52.5°	4832.7	4843.2	4819.7	4849.3	5047.6	5059.8	5499.1	5423.5	5021.5	5198.1
55°	4969.3	4990.2	5063.3	5131.1	5430.4	5442.6	5947.2	5831.5	5312.1	5563.5
57.5°	5145.1	5115.5	5252.1	5384.3	5794.1	5826.3	6383.0	6224.7	5569.6	5878.5
60°	5397.4	5376.5	5482.6	5678.4	6201.2	6252.5	6844.1	6578.8	5758.4	6128.1
62.5°	5908.9	5856.7	5873.2	6046.4	6714.5	6782.4	7364.4	6887.6	5852.4	6225.6
65°	6673.6	6584.0	6500.5	6620.5	7437.5	7504.4	7951.6	7130.4	5817.6	6036.8
67.5°	7636.7	7547.9	7445.3	7558.4	8502.3	8555.4	8676.3	7266.9	5543.5	5309.5
70°	8431.0	8397.9	8520.6	8986.0	10203.1	10204.9	9605.5	7153.8	4792.7	3764.4
72.5°	8325.7	8305.7	8952.1	10391.0	12346.8	12300.6	10485.0	6297.8	3228.5	1698.2
75°	6830.2	6959.8	7961.2	10365.8	13116.7	13110.6	9946.5	4003.6	1335.4	703.8
77.5°	3662.6	3867.9	5168.6	7653.2	10239.7	10393.7	6992.9	1400.7	573.3	450.6
80°	1194.5	1373.7	2060.1	3896.6	6653.6	6624.9	2997.1	549.8	392.4	319.3
82.5°	507.2	528.1	920.4	1840.0	3414.7	3361.6	954.4	315.8	275.8	218.4
85°	198.4	221.8	406.3	850.8	1479.0	1446.8	344.5	156.6	176.6	142.7
87.5°	65.2	79.2	145.3	291.4	460.2	443.7	84.4	53.9	76.6	65.2
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°
2144.5	0°	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5	2144.5
2150.6	2.5°	2162.8	2176.7	2193.2	2217.6	2238.5	2255.9	2274.1	2285.4	2289.8	2302.8
2154.1	5°	2178.4	2208.9	2249.8	2289.8	2328.9	2352.4	2373.3	2383.7	2393.3	2400.3
2163.6	7.5°	2204.5	2243.7	2308.1	2360.3	2393.3	2412.5	2426.4	2422.9	2426.4	2428.1
2174.1	10°	2227.1	2282.0	2358.5	2408.1	2433.3	2434.2	2430.7	2418.5	2412.5	2413.3
2189.7	12.5°	2254.1	2315.0	2397.7	2439.4	2446.4	2427.2	2412.5	2391.6	2383.7	2380.3
2213.2	15°	2290.7	2360.3	2440.3	2456.0	2438.6	2414.2	2389.0	2355.0	2337.6	2323.7
2253.2	17.5°	2335.0	2411.6	2473.4	2462.0	2424.6	2384.6	2343.7	2292.4	2256.7	2241.9
2308.1	20°	2396.8	2465.5	2498.6	2449.0	2392.4	2331.5	2261.9	2199.3	2166.3	2151.5
2377.7	22.5°	2471.6	2537.7	2522.9	2426.4	2346.3	2248.9	2161.9	2115.8	2099.3	2088.8
2467.3	25°	2561.2	2617.8	2540.3	2393.3	2270.6	2139.3	2072.3	2057.5	2049.7	2041.8
2576.9	27.5°	2677.8	2708.2	2553.4	2344.6	2152.3	2022.7	1998.3	2001.0	1998.3	1985.3
2729.1	30°	2831.8	2825.7	2565.6	2265.4	2016.6	1917.4	1919.2	1930.5	1932.2	1923.5
2941.4	32.5°	3034.5	2972.7	2571.7	2162.8	1887.0	1825.2	1827.0	1839.1	1847.8	1833.0
3218.9	35°	3279.8	3144.1	2562.1	2034.0	1786.9	1737.4	1724.3	1727.8	1730.4	1716.5
3555.6	37.5°	3566.0	3336.4	2519.5	1891.3	1704.3	1651.2	1623.4	1599.9	1586.0	1572.9
3936.7	40°	3880.1	3546.0	2441.2	1752.1	1612.1	1559.9	1518.1	1473.7	1426.8	1409.4
4340.3	42.5°	4209.0	3761.8	2346.3	1619.0	1505.9	1463.3	1418.9	1354.6	1284.1	1248.4
4759.7	45°	4550.0	3982.8	2253.2	1487.7	1397.2	1378.9	1327.6	1250.2	1173.6	1128.4
5179.9	47.5°	4884.1	4191.6	2116.7	1355.4	1295.4	1315.4	1275.4	1204.1	1118.8	1047.5
5596.6	50°	5203.4	4387.3	1893.1	1221.5	1212.8	1296.3	1258.0	1155.3	1057.9	966.5
6005.5	52.5°	5520.0	4545.6	1606.9	1099.7	1168.4	1291.1	1235.4	1122.3	1003.1	907.4
6390.0	55°	5788.8	4627.4	1331.1	995.3	1104.0	1246.7	1208.4	1083.1	925.7	823.9
6653.6	57.5°	5942.0	4561.3	1101.4	892.6	1015.3	1173.6	1162.3	999.6	833.4	755.1
6704.9	60°	5875.8	4293.4	913.5	803.0	930.9	1094.4	1082.3	917.0	763.0	689.0
6430.0	62.5°	5511.3	3782.7	764.7	724.7	854.3	1013.5	1002.2	853.5	709.0	637.7
5700.1	65°	4777.1	3077.1	649.0	659.4	776.9	916.1	932.6	800.4	666.4	596.8
4409.9	67.5°	3643.5	2228.9	558.5	602.9	701.2	820.4	868.2	762.1	630.7	564.6
2551.7	70°	2076.6	1265.8	482.0	548.1	634.2	731.7	818.7	731.7	592.5	537.6
956.1	72.5°	787.3	581.1	416.7	493.3	569.8	656.8	763.8	683.8	548.1	507.2
494.1	75°	420.2	354.1	350.6	428.9	495.9	583.8	695.1	636.8	515.0	535.9
341.9	77.5°	286.2	250.6	293.2	367.1	415.0	502.8	622.0	565.5	446.3	444.6
236.6	80°	198.4	177.5	238.4	295.8	321.0	422.8	542.9	485.4	363.7	339.3
146.2	82.5°	119.2	115.7	178.3	221.0	227.1	326.2	449.8	407.2	297.5	259.3
87.0	85°	65.2	68.7	114.0	129.6	132.2	227.9	352.3	314.9	228.8	192.3
31.3	87.5°	18.3	23.5	41.8	51.3	63.5	118.3	209.7	187.0	114.8	80.0
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>
2144.5
2302.0
2402.0
2430.7
2415.1
2378.5
2328.1
2242.8
2149.7
2090.6
2041.8
1987.9
1927.9
1840.0
1726.0
1581.6
1417.2
1252.8
1124.9
1039.6
958.7
896.9
815.2
744.7
678.6
626.4
585.5
554.2
530.7
500.2
553.3
409.8
324.5
261.0
194.0
80.0
0.0

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