

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: P948731

Luminaire Tested: **GALN-SB3C-940-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948731
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-SB3C-940-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16501 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

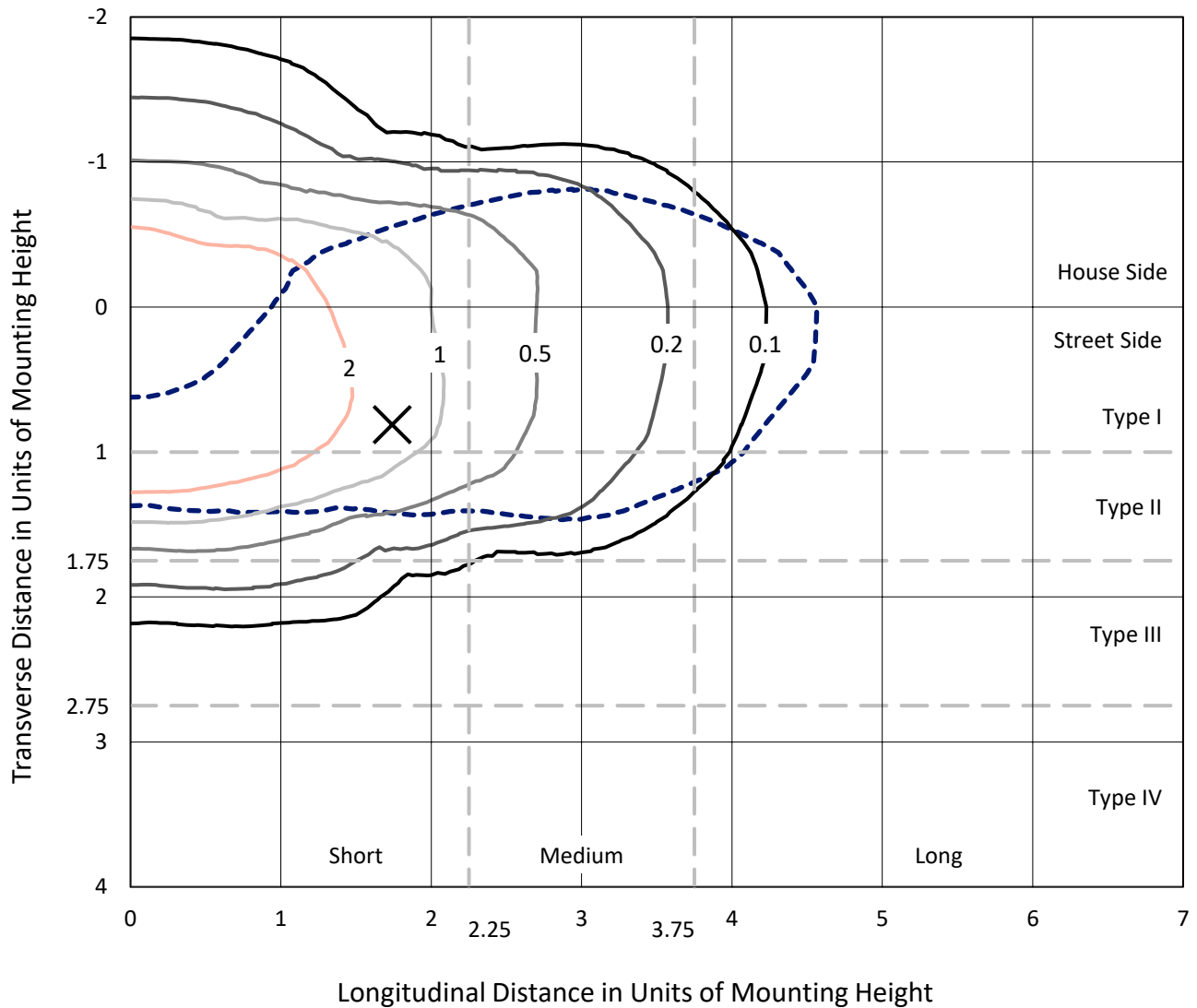
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

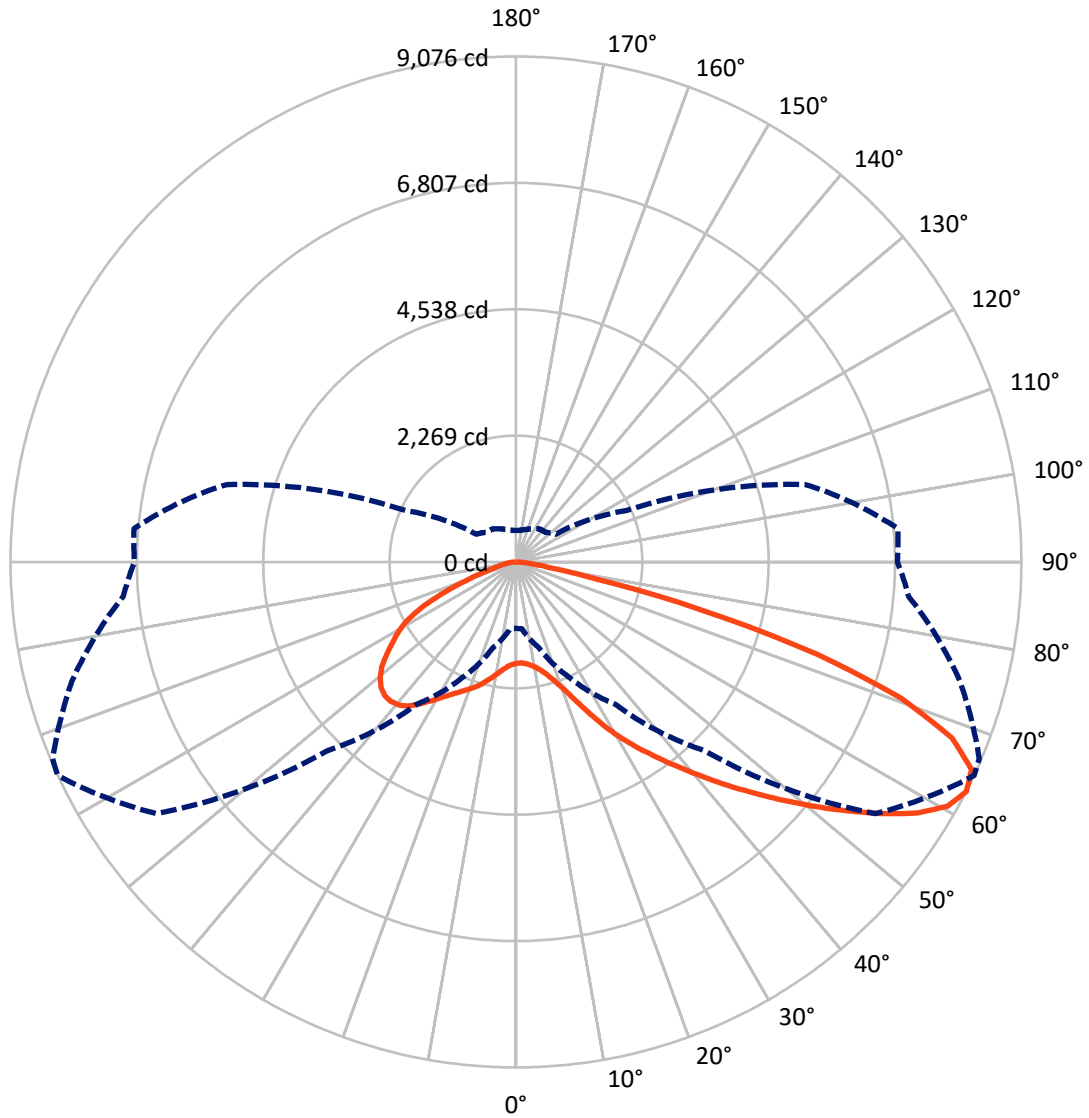
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5207.0	0.0	5207.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	11294.0	0.0	11294.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	16501.0	0.0	16501.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	1.1
10°-20°	614.8	3.7
20°-30°	1246.5	7.6
30°-40°	2157.0	13.1
40°-50°	3264.2	19.8
50°-60°	3827.1	23.2
60°-70°	3208.6	19.4
70°-80°	1771.4	10.7
80°-90°	230.1	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°	16501.0	100.0
0°-180°	16501.0	100.0



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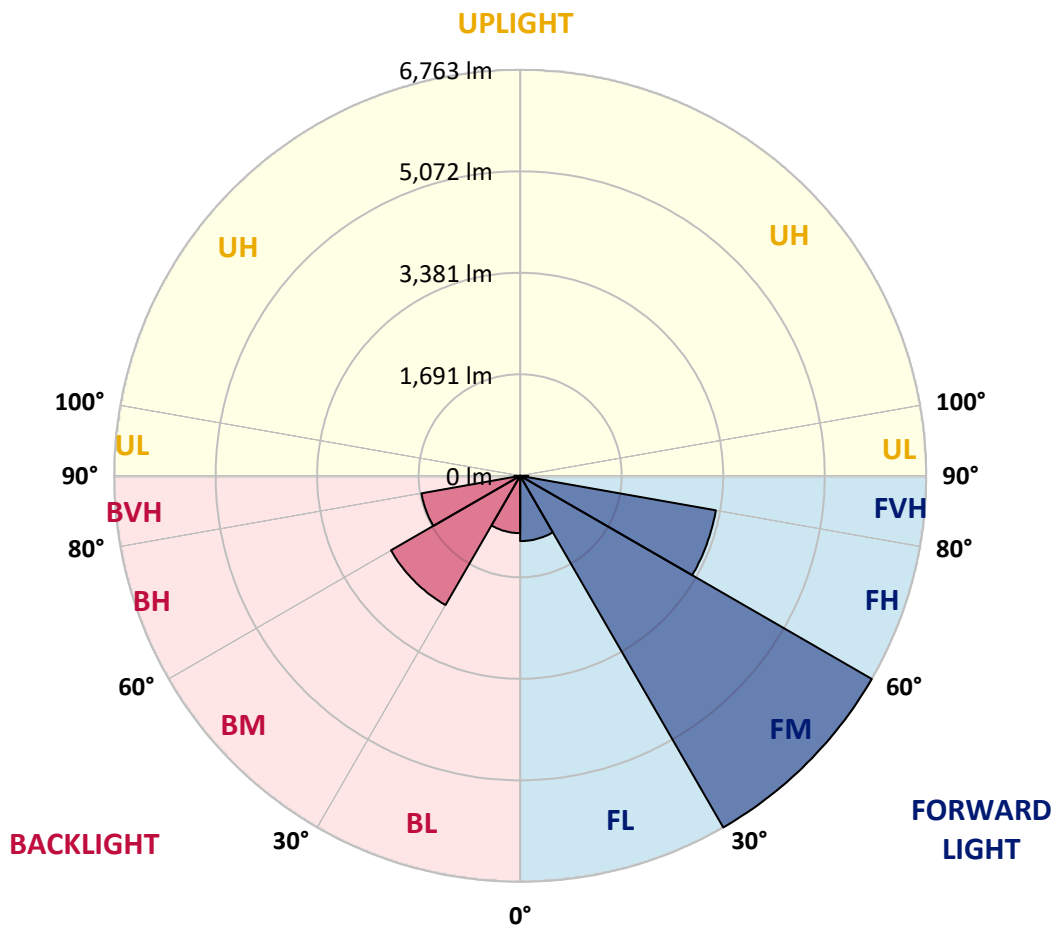
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1087.6	6.6			
FM (30°-60°)	6762.6	41.0			
FH (60°-80°)	3309.6	20.1			G2/5000
FVH (80°-90°)	134.1	0.8			G2/225
BL (0°-30°)	954.9	5.8	B2/1000		
BM (30°-60°)	2485.7	15.1	B2/2500		
BH (60°-80°)	1670.4	10.1	B3/2500		G3/2500
BVH (80°-90°)	96.0	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°	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3
2.5°	1806.4	1801.2	1805.5	1805.5	1807.2	1806.4	1812.3	1814.1	1816.6	1821.8
5°	1788.4	1787.5	1795.2	1802.1	1808.9	1814.9	1822.6	1833.7	1835.5	1841.5
7.5°	1782.4	1777.2	1789.2	1797.8	1814.1	1828.6	1849.2	1868.0	1875.7	1878.3
10°	1828.6	1820.1	1831.2	1836.3	1850.0	1864.6	1888.5	1918.5	1927.1	1937.3
12.5°	1907.4	1898.0	1914.2	1921.9	1934.8	1947.6	1963.9	1993.0	1997.3	2016.1
15°	2015.2	2004.1	2014.4	2023.8	2045.2	2057.2	2073.5	2101.7	2101.7	2116.3
17.5°	2161.6	2147.1	2154.8	2158.2	2171.9	2189.9	2217.3	2242.1	2254.9	2249.8
20°	2379.9	2362.0	2362.0	2344.8	2339.7	2354.3	2390.2	2424.5	2438.1	2411.6
22.5°	2707.8	2682.1	2667.6	2609.4	2586.3	2588.0	2623.9	2665.9	2677.0	2629.9
25°	3124.7	3084.5	3064.8	2979.2	2927.0	2881.6	2909.9	2963.8	2979.2	2921.0
27.5°	3541.7	3544.2	3525.4	3422.7	3336.2	3253.1	3238.6	3295.1	3311.4	3245.4
30°	4126.4	4065.6	4029.6	3906.3	3783.1	3666.6	3606.7	3629.8	3634.1	3555.3
32.5°	4630.6	4615.2	4538.1	4430.3	4271.9	4089.5	3989.4	3952.6	3945.7	3833.6
35°	5205.0	5196.5	5115.1	4986.7	4815.5	4562.1	4381.5	4276.2	4267.6	4110.1
37.5°	5788.9	5788.9	5709.3	5568.9	5391.7	5074.9	4800.1	4633.2	4605.8	4400.3
40°	6254.6	6226.4	6240.9	6181.8	5978.9	5642.5	5265.0	5022.7	4985.9	4739.3
42.5°	6519.1	6509.7	6597.0	6663.0	6579.9	6311.1	5776.9	5444.7	5393.4	5112.6
45°	6578.2	6567.9	6723.7	6965.2	7081.6	6971.2	6333.4	5889.1	5826.6	5503.0
47.5°	6442.1	6421.5	6650.1	7031.1	7404.3	7598.7	6936.1	6371.0	6280.3	5883.1
50°	6032.9	6013.2	6359.0	6865.0	7513.1	8025.0	7590.1	6882.1	6743.4	6290.6
52.5°	5143.4	5152.8	5694.7	6389.9	7370.1	8290.4	8153.4	7420.6	7253.7	6707.5
55°	4006.5	4027.1	4693.1	5458.4	6798.2	8250.2	8537.8	7975.3	7809.3	7099.6
57.5°	2868.8	2959.5	3583.6	4341.2	5699.9	7612.4	8621.7	8502.7	8341.8	7527.6
60°	1859.4	1875.7	2517.8	3281.4	4340.4	6478.9	8451.3	8902.5	8776.7	7964.2
62.5°	1191.7	1202.8	1594.0	2295.2	3123.9	4793.3	7877.8	9076.3	9037.8	8252.7
65°	875.8	867.2	1071.0	1517.0	2104.3	2956.1	6764.0	8992.4	9068.6	8433.4
67.5°	731.1	719.1	819.3	1050.4	1550.4	1678.8	5004.7	8447.1	8726.1	8412.8
70°	666.0	655.8	716.5	779.9	1209.7	1124.0	2522.9	7343.6	7773.3	8179.1
72.5°	564.2	546.2	629.2	692.6	940.8	862.1	1042.7	5640.8	6164.7	7430.0
75°	437.5	425.5	496.5	609.5	707.1	672.9	659.2	3425.2	3997.1	5746.1
77.5°	346.7	330.5	395.5	475.1	636.1	507.7	480.3	1475.0	2041.8	3668.4
80°	261.1	246.6	300.5	375.8	488.8	382.7	310.8	601.8	769.6	1858.6
82.5°	185.8	172.9	209.7	275.7	328.7	343.3	190.9	337.3	379.2	716.5
85°	119.0	111.3	140.4	172.9	208.9	220.9	116.4	176.4	193.5	295.4
87.5°	65.1	53.1	75.3	80.5	96.7	88.2	55.6	64.2	69.3	107.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948731
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1818.3	0°	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3	1818.3
1821.8	2.5°	1825.2	1827.8	1836.3	1838.9	1844.9	1852.6	1857.7	1862.9	1862.9	1868.0
1849.2	5°	1850.0	1856.0	1874.0	1883.4	1898.8	1914.2	1923.6	1934.8	1941.6	1945.0
1892.8	7.5°	1898.0	1907.4	1933.1	1949.3	1975.9	1997.3	2011.8	2027.2	2030.6	2040.1
1953.6	10°	1963.0	1974.1	2003.3	2034.1	2065.7	2092.3	2106.0	2117.1	2121.4	2123.1
2031.5	12.5°	2037.5	2053.8	2091.4	2129.1	2162.5	2185.6	2189.0	2186.5	2174.5	2164.2
2127.4	15°	2129.1	2143.7	2185.6	2226.7	2259.2	2263.5	2242.1	2228.4	2213.9	2211.3
2234.4	17.5°	2238.7	2246.4	2284.9	2325.1	2327.7	2313.2	2281.5	2268.6	2254.9	2245.5
2373.9	20°	2366.2	2363.7	2391.1	2408.2	2390.2	2345.7	2297.7	2276.3	2262.7	2251.5
2545.2	22.5°	2518.6	2498.9	2495.5	2491.2	2443.3	2350.0	2284.9	2257.5	2236.1	2220.7
2784.0	25°	2740.3	2665.0	2612.8	2583.7	2475.8	2326.9	2243.8	2183.0	2142.8	2116.3
3075.9	27.5°	3017.7	2891.0	2759.2	2688.1	2475.8	2279.8	2144.5	2046.1	1980.1	1952.7
3358.4	30°	3282.3	3149.6	2955.2	2814.0	2469.8	2202.7	1984.4	1847.4	1770.4	1743.0
3599.9	32.5°	3508.3	3363.6	3163.3	2951.8	2455.3	2077.7	1785.8	1634.3	1559.8	1527.3
3838.7	35°	3718.0	3563.9	3372.1	3103.3	2416.7	1894.5	1567.5	1451.9	1368.9	1316.7
4081.8	37.5°	3932.9	3749.7	3569.9	3240.3	2347.4	1680.5	1399.7	1301.3	1203.7	1133.5
4340.4	40°	4166.6	3947.4	3781.4	3321.6	2233.5	1476.8	1269.6	1179.7	1076.1	1001.6
4638.3	42.5°	4439.7	4184.6	4016.8	3363.6	2077.7	1332.1	1184.8	1096.7	999.1	938.3
4957.6	45°	4724.8	4445.7	4231.7	3362.7	1903.9	1264.4	1157.4	1070.1	962.2	898.9
5285.5	47.5°	5023.5	4718.8	4417.4	3307.9	1753.3	1273.9	1142.0	1012.8	893.8	832.1
5616.8	50°	5323.2	5017.6	4597.2	3205.2	1689.1	1253.3	1084.7	932.3	791.9	736.2
5927.6	52.5°	5620.2	5335.2	4752.2	3058.8	1624.0	1177.1	1011.0	827.8	749.9	711.4
6248.6	55°	5919.0	5649.3	4920.8	2845.6	1461.3	1088.1	887.8	788.5	716.5	681.4
6562.8	57.5°	6218.6	6012.3	5080.9	2632.5	1256.7	978.5	820.1	740.5	683.2	653.2
6825.6	60°	6530.3	6427.5	5246.1	2436.4	1054.7	838.1	770.5	702.0	643.8	610.4
7078.2	62.5°	6851.3	6884.7	5375.4	2183.9	868.9	752.5	726.0	655.8	599.3	567.6
7287.1	65°	7174.9	7325.6	5460.2	1833.7	704.6	671.2	678.0	605.3	547.9	520.5
7440.3	67.5°	7418.9	7643.2	5436.2	1387.7	577.9	594.1	618.1	552.2	498.2	476.8
7415.5	70°	7446.3	7605.5	5199.9	950.3	483.7	518.8	551.3	500.0	444.3	428.9
7066.2	72.5°	7081.6	7091.9	4541.6	620.7	409.2	455.4	481.1	446.9	392.9	377.5
6181.8	75°	6125.3	5865.1	3334.5	409.2	342.4	391.2	415.2	391.2	339.0	342.4
4625.5	77.5°	4640.9	4153.8	2024.7	291.1	285.9	328.7	361.3	344.1	299.6	336.4
2326.0	80°	2391.1	2247.2	903.2	217.4	226.0	262.8	297.1	274.8	237.1	226.0
519.6	82.5°	547.9	636.9	356.1	155.8	163.5	189.2	226.9	206.3	170.4	143.8
216.6	85°	191.8	209.7	157.5	97.6	95.9	118.1	154.1	137.8	115.6	92.5
91.6	87.5°	60.8	79.6	59.1	39.4	41.1	53.1	71.1	65.1	53.9	35.1
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>
1818.3
1868.0
1946.8
2036.6
2118.8
2164.2
2211.3
2246.4
2252.4
2225.8
2126.5
1966.4
1759.3
1543.5
1333.8
1152.3
1016.2
950.3
909.2
840.7
739.7
711.4
678.0
648.1
607.8
566.7
519.6
477.7
429.8
376.7
330.5
296.2
206.3
142.1
97.6
36.8
0.0

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