

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: P945993

Luminaire Tested: **GALN-SB1D-740-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1D-740-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10525 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

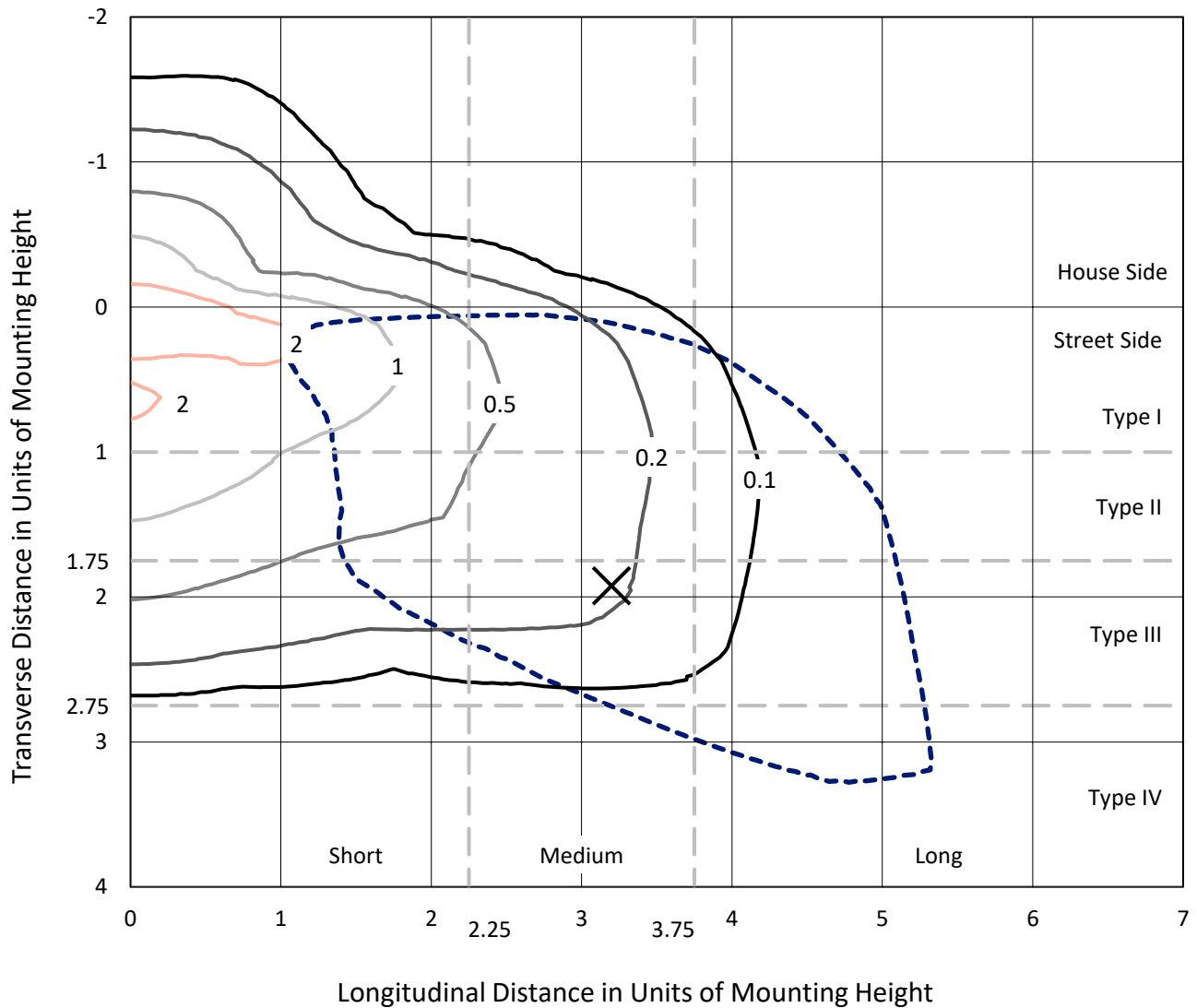
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

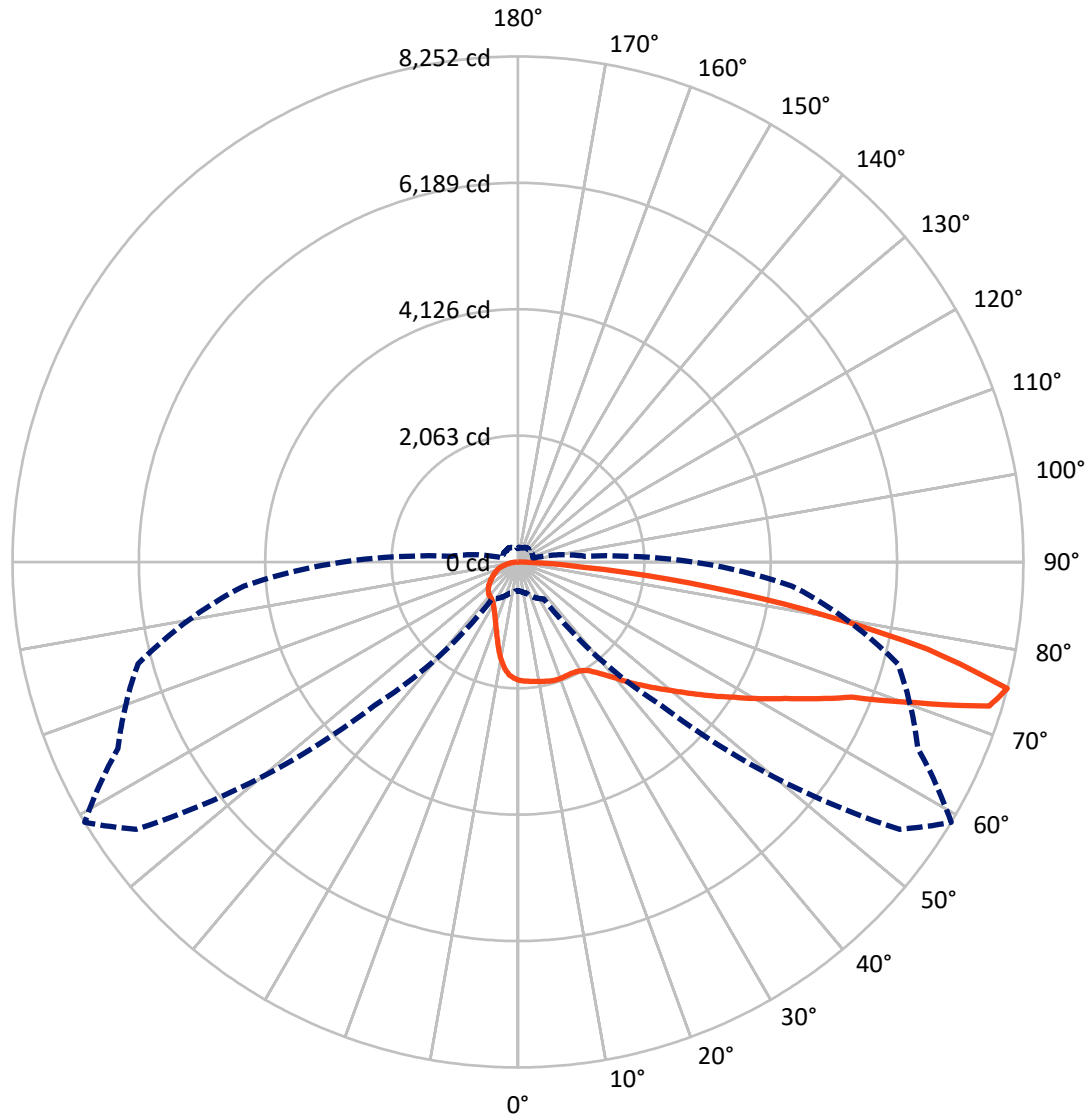
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1974.0	0.0	1974.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	8551.0	0.0	8551.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	10525.0	0.0	10525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	1.6
10°-20°	442.8	4.2
20°-30°	672.5	6.4
30°-40°	999.7	9.5
40°-50°	1486.7	14.1
50°-60°	2018.0	19.2
60°-70°	2463.7	23.4
70°-80°	1933.5	18.4
80°-90°	334.9	3.2
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°	10525.0	100.0
0°-180°	10525.0	100.0

Coefficient of Utilization



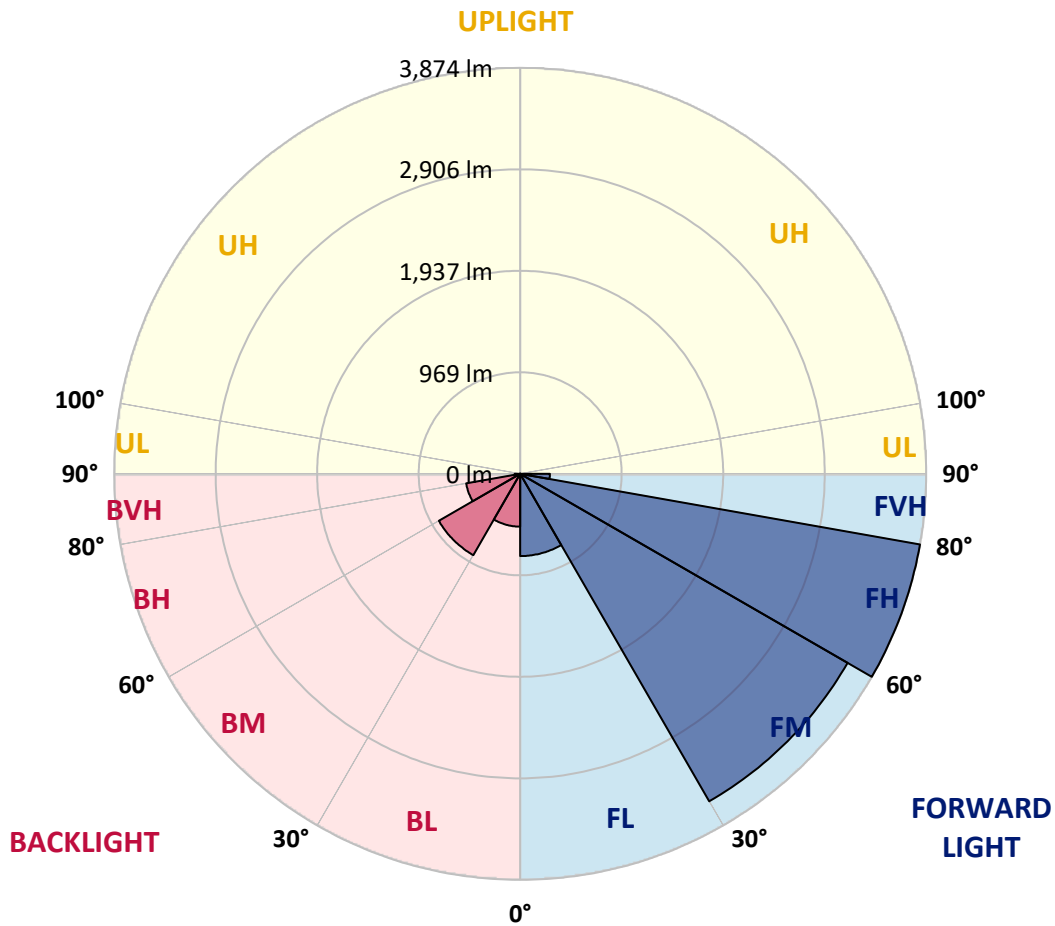
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.8	7.5			
FM (30°-60°)	3608.4	34.3			
FH (60°-80°)	3874.1	36.8			G2/5000
FVH (80°-90°)	283.7	2.7			G3/500
BL (0°-30°)	503.8	4.8	B2/1000		
BM (30°-60°)	896.0	8.5	B1/1000		
BH (60°-80°)	523.0	5.0	B2/1000		G2/1000
BVH (80°-90°)	51.3	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8
2.5°	1948.3	1941.5	1948.3	1945.4	1944.3	1942.0	1942.6	1946.6	1944.3	1947.1
5°	1935.2	1931.3	1938.1	1936.4	1943.7	1944.9	1952.2	1956.8	1959.6	1960.1
7.5°	1913.7	1909.8	1919.4	1927.3	1943.2	1947.7	1963.0	1970.3	1974.3	1981.1
10°	1835.0	1833.3	1857.1	1887.1	1924.5	1947.7	1970.9	1983.4	1989.6	2007.7
12.5°	1695.7	1698.0	1729.1	1786.9	1861.6	1936.4	1980.0	1998.1	2007.7	2030.4
15°	1562.7	1562.1	1596.1	1657.8	1762.5	1886.5	1984.5	2015.6	2032.1	2065.5
17.5°	1485.7	1483.4	1507.2	1554.2	1651.6	1810.1	1973.2	2025.3	2060.4	2102.3
20°	1471.5	1467.0	1479.5	1502.7	1571.7	1726.3	1943.7	2025.3	2083.0	2137.4
22.5°	1523.1	1515.7	1510.6	1507.8	1538.3	1657.2	1910.3	2018.5	2116.4	2187.8
25°	1626.7	1615.3	1589.3	1563.8	1554.8	1626.1	1880.9	2016.8	2166.2	2255.7
27.5°	1794.3	1780.1	1727.4	1666.3	1611.4	1642.0	1867.9	2027.0	2221.2	2327.6
30°	2002.0	1986.8	1920.5	1826.5	1728.0	1700.8	1884.3	2057.0	2291.4	2423.3
32.5°	2188.3	2171.3	2114.7	2019.0	1886.0	1802.7	1936.4	2114.2	2401.8	2556.3
35°	2353.7	2333.8	2282.9	2194.6	2079.6	1946.0	2030.4	2215.5	2558.6	2772.6
37.5°	2515.6	2492.4	2436.9	2343.5	2263.1	2136.8	2160.0	2345.7	2767.0	3035.3
40°	2696.8	2663.4	2596.0	2503.7	2425.6	2360.4	2330.4	2505.4	2978.7	3328.6
42.5°	2872.3	2840.6	2760.2	2681.5	2583.5	2564.8	2528.0	2692.2	3210.3	3650.8
45°	3061.4	3023.5	2926.1	2826.4	2764.7	2700.7	2719.4	2879.1	3437.3	3979.2
47.5°	3238.6	3196.1	3081.2	2970.2	2936.3	2815.1	2894.9	3084.6	3673.4	4312.1
50°	3334.3	3292.4	3196.7	3096.5	3069.9	2956.1	3085.2	3310.5	3920.9	4643.9
52.5°	3414.1	3368.8	3243.7	3188.2	3180.3	3109.5	3319.6	3568.7	4168.3	4937.2
55°	3499.1	3448.7	3289.0	3239.2	3275.4	3281.6	3597.6	3861.4	4429.9	5223.1
57.5°	3597.0	3533.0	3332.6	3282.2	3368.3	3483.2	3916.9	4164.9	4686.9	5488.1
60°	3689.3	3624.7	3416.4	3350.7	3468.5	3717.0	4283.2	4532.4	4977.9	5724.2
62.5°	3707.4	3654.2	3483.2	3482.6	3604.4	3989.9	4716.9	4903.2	5232.2	5957.5
65°	3393.7	3360.3	3259.0	3477.5	3799.1	4382.9	5199.9	5377.7	5555.5	6161.3
67.5°	2583.0	2587.5	2580.1	3001.9	3641.7	4947.4	5899.1	5885.5	5954.6	6390.0
70°	1181.1	1207.7	1380.9	2072.3	2917.6	5012.5	7055.3	6879.2	6455.7	6686.1
72.5°	638.1	658.5	729.3	1003.9	1754.1	4456.5	7919.3	8044.4	7122.1	6885.4
75°	468.2	479.6	528.8	638.1	736.6	3312.2	7609.6	8251.7	7205.3	6420.6
77.5°	350.5	355.6	395.8	505.6	377.1	1746.1	6080.3	6833.9	6168.1	5275.2
80°	254.2	259.9	289.9	379.3	264.4	638.7	4175.1	4796.8	4224.3	3362.6
82.5°	175.5	177.8	190.8	258.2	184.6	248.0	2368.9	2812.8	2358.2	1179.9
85°	105.9	108.7	114.4	150.6	104.7	117.8	1022.5	1057.6	704.9	282.0
87.5°	43.6	46.4	51.0	63.4	41.3	32.8	168.7	211.8	131.9	82.7
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°
1931.8	0°	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8	1931.8
1937.5	2.5°	1934.7	1930.7	1920.0	1905.2	1891.6	1874.7	1867.3	1861.1	1855.4	1844.6
1952.8	5°	1946.6	1935.8	1906.9	1869.6	1827.1	1780.7	1735.4	1704.2	1677.6	1657.8
1970.3	7.5°	1964.7	1944.3	1891.6	1815.2	1717.8	1618.2	1528.1	1464.2	1416.0	1398.5
1995.3	10°	1983.4	1959.0	1867.3	1732.5	1564.4	1410.9	1291.5	1225.8	1187.3	1174.8
2024.7	12.5°	2005.4	1969.8	1829.4	1617.6	1392.8	1224.7	1120.5	1082.0	1062.2	1055.4
2060.9	15°	2037.7	1978.8	1772.2	1473.8	1229.2	1088.8	1021.4	994.8	984.6	984.0
2098.3	17.5°	2062.1	1980.5	1683.3	1319.8	1103.5	1006.7	951.2	941.0	947.8	958.0
2135.1	20°	2089.2	1965.2	1566.6	1179.4	1015.2	934.8	911.6	918.4	934.8	949.5
2183.8	22.5°	2108.5	1937.5	1425.7	1070.1	938.7	893.4	892.3	906.5	915.5	922.9
2241.0	25°	2125.5	1890.5	1276.2	978.4	875.9	868.5	881.0	876.5	870.2	876.5
2298.2	27.5°	2137.9	1816.3	1142.6	898.0	831.7	851.5	844.2	834.0	833.4	836.8
2365.5	30°	2134.0	1717.3	1032.7	821.5	800.6	819.8	802.3	800.6	798.9	800.6
2466.9	32.5°	2134.0	1604.6	948.4	768.9	780.8	773.4	771.7	767.8	761.0	760.4
2604.5	35°	2145.9	1491.9	875.9	740.6	764.4	746.8	747.9	738.3	724.2	717.4
2786.8	37.5°	2170.2	1401.3	804.0	727.0	735.5	734.9	730.4	714.0	689.1	667.5
3014.4	40°	2229.1	1374.7	754.7	720.8	721.9	728.7	716.8	685.1	628.5	593.4
3245.4	42.5°	2321.4	1419.4	744.0	705.5	712.8	719.6	696.4	622.8	582.6	561.7
3487.7	45°	2438.6	1497.6	767.2	683.4	691.3	703.2	634.1	599.0	580.9	581.5
3727.8	47.5°	2586.9	1579.7	810.2	664.1	660.2	667.0	592.8	571.3	546.4	552.6
3958.2	50°	2758.5	1662.9	851.0	638.1	625.6	603.6	566.2	545.8	514.1	499.4
4180.7	52.5°	2944.2	1743.3	867.4	606.4	588.3	562.8	548.1	523.2	484.7	460.3
4390.8	55°	3120.3	1816.3	849.3	568.5	550.9	531.1	528.8	513.5	472.2	438.2
4577.6	57.5°	3286.7	1877.5	804.0	530.0	513.0	501.1	516.4	509.0	456.9	413.3
4754.3	60°	3427.7	1919.4	738.3	490.9	479.0	472.8	496.0	493.7	435.4	386.7
4912.8	62.5°	3539.8	1935.8	665.8	453.5	450.7	439.4	467.7	467.7	408.2	360.7
5052.1	65°	3627.6	1920.0	592.2	416.7	422.4	405.4	433.1	429.7	379.3	337.4
5212.3	67.5°	3705.1	1867.9	510.7	380.5	393.5	372.0	396.9	389.0	347.6	314.2
5351.1	70°	3739.7	1746.7	417.8	344.2	360.1	339.1	360.7	345.9	312.0	289.3
5198.8	72.5°	3462.3	1451.7	329.0	306.3	319.9	302.9	321.6	304.6	273.5	263.3
4489.3	75°	2864.4	1089.3	253.1	265.0	275.2	262.1	274.6	262.1	233.8	241.2
3316.2	77.5°	2080.2	735.5	193.6	221.4	225.9	219.1	229.9	215.7	190.2	188.5
1652.7	80°	1034.4	430.9	151.7	175.0	173.3	168.7	181.2	174.4	152.9	161.9
446.2	82.5°	299.5	184.6	110.4	122.9	119.5	120.6	129.7	133.1	199.3	197.6
138.7	85°	94.0	72.5	66.2	68.5	65.1	66.8	76.4	151.7	140.4	82.1
43.0	87.5°	24.3	24.9	16.4	17.6	18.1	21.5	24.3	92.3	44.2	28.9
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>
1931.8
1839.6
1641.4
1367.9
1155.6
1057.1
986.3
962.0
954.6
926.9
880.4
842.5
806.8
767.8
724.2
674.9
597.9
561.7
584.3
568.5
503.3
459.7
438.2
411.1
385.0
359.0
335.2
312.0
284.8
254.8
220.2
180.0
160.2
202.1
88.9
30.6
0.0

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