

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: P947316

Luminaire Tested: **GALN-SB2C-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947316
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-SB2C-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10183 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

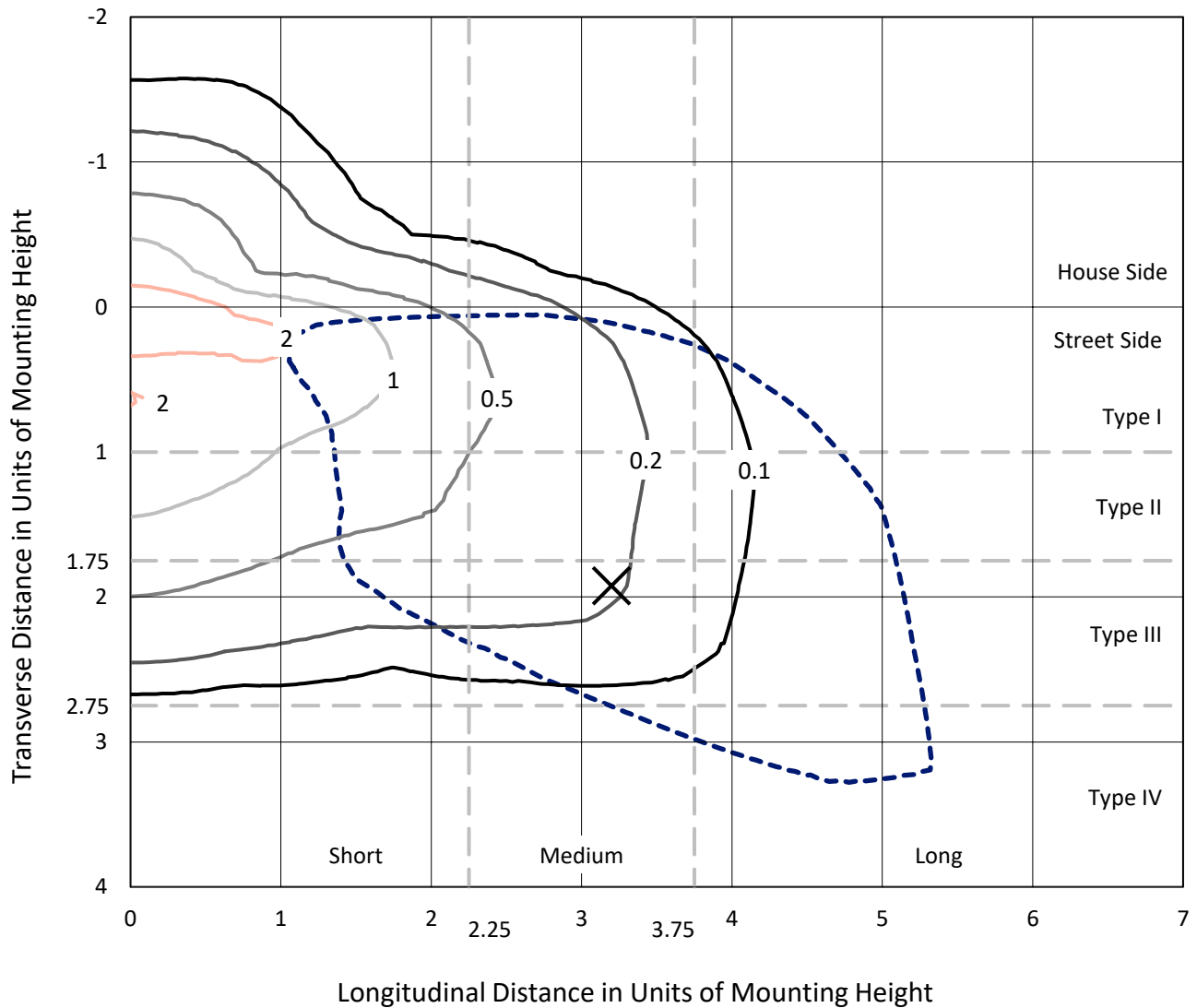
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

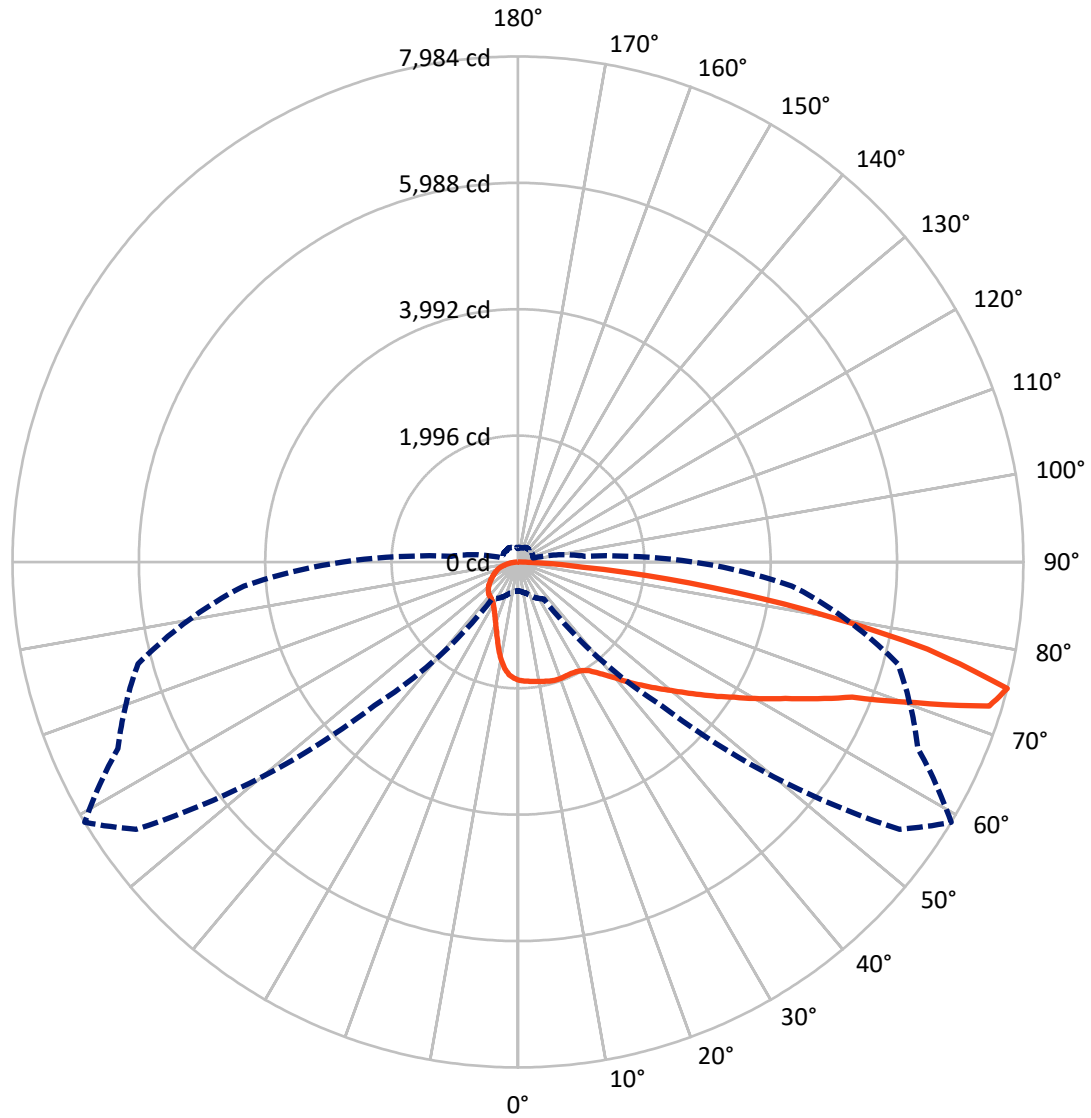
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type IV - 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	1909.9	0.0	1909.9
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	8273.1	0.0	8273.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	10183.0	0.0	10183.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.6
10°-20°	428.4	4.2
20°-30°	650.7	6.4
30°-40°	967.2	9.5
40°-50°	1438.4	14.1
50°-60°	1952.5	19.2
60°-70°	2383.6	23.4
70°-80°	1870.6	18.4
80°-90°	324.0	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°	10183.0	100.0
0°-180°	10183.0	100.0

Coefficient of Utilization



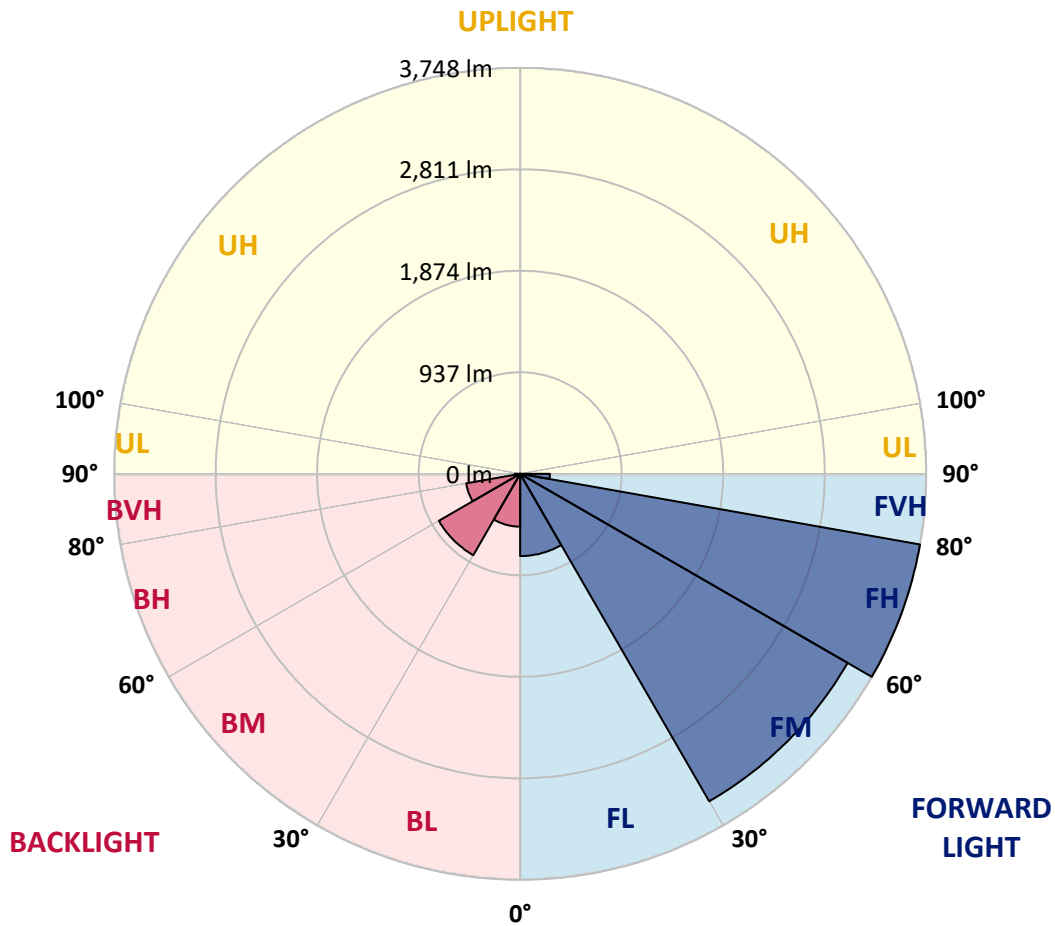
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	759.3	7.5			
FM	(30°-60°)	3491.2	34.3			
FH	(60°-80°)	3748.3	36.8			G2/5000
FVH	(80°-90°)	274.4	2.7			G3/500
BL	(0°-30°)	487.4	4.8	B1/500		
BM	(30°-60°)	866.9	8.5	B1/1000		
BH	(60°-80°)	506.0	5.0	B2/1000		G2/1000
BVH	(80°-90°)	49.6	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°	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1
2.5°	1885.0	1878.4	1885.0	1882.2	1881.1	1878.9	1879.5	1883.3	1881.1	1883.9
5°	1872.4	1868.5	1875.1	1873.4	1880.6	1881.7	1888.8	1893.2	1895.9	1896.5
7.5°	1851.5	1847.7	1857.0	1864.7	1880.0	1884.4	1899.2	1906.3	1910.2	1916.7
10°	1775.4	1773.8	1796.8	1825.8	1861.9	1884.4	1906.9	1918.9	1924.9	1942.5
12.5°	1640.6	1642.8	1673.0	1728.8	1801.1	1873.4	1915.6	1933.2	1942.5	1964.4
15°	1511.9	1511.4	1544.2	1603.9	1705.3	1825.2	1920.0	1950.1	1966.0	1998.3
17.5°	1437.4	1435.2	1458.2	1503.7	1597.9	1751.3	1909.1	1959.5	1993.4	2034.0
20°	1423.7	1419.3	1431.4	1453.8	1520.7	1670.2	1880.6	1959.5	2015.3	2067.9
22.5°	1473.6	1466.4	1461.5	1458.8	1488.4	1603.4	1848.3	1952.9	2047.6	2116.7
25°	1573.8	1562.9	1537.7	1513.0	1504.2	1573.3	1819.8	1951.2	2095.9	2182.4
27.5°	1736.0	1722.3	1671.3	1612.2	1559.0	1588.6	1807.2	1961.1	2149.0	2252.0
30°	1937.0	1922.2	1858.1	1767.2	1671.9	1645.6	1823.1	1990.1	2216.9	2344.6
32.5°	2117.2	2100.8	2046.0	1953.4	1824.7	1744.2	1873.4	2045.5	2323.7	2473.3
35°	2277.2	2258.0	2208.7	2123.2	2012.0	1882.8	1964.4	2143.5	2475.5	2682.5
37.5°	2433.8	2411.4	2357.7	2267.3	2189.5	2067.4	2089.8	2269.5	2677.1	2936.7
40°	2609.1	2576.8	2511.6	2422.3	2346.7	2283.7	2254.7	2424.0	2881.9	3220.5
42.5°	2778.9	2748.3	2670.5	2594.3	2499.6	2481.5	2445.9	2604.8	3106.0	3532.2
45°	2961.9	2925.2	2831.0	2734.6	2674.9	2613.0	2631.0	2785.5	3325.6	3849.9
47.5°	3133.4	3092.3	2981.1	2873.7	2840.9	2723.6	2800.9	2984.4	3554.1	4172.0
50°	3225.9	3185.4	3092.8	2995.9	2970.1	2860.0	2984.9	3202.9	3793.5	4493.0
52.5°	3303.2	3259.4	3138.3	3084.6	3076.9	3008.5	3211.7	3452.7	4032.8	4776.7
55°	3385.4	3336.6	3182.1	3133.9	3169.0	3175.0	3480.7	3735.9	4285.9	5053.4
57.5°	3480.1	3418.2	3224.3	3175.6	3258.8	3370.0	3789.6	4029.6	4534.6	5309.7
60°	3569.4	3507.0	3305.4	3241.8	3355.8	3596.3	4144.0	4385.1	4816.2	5538.2
62.5°	3586.9	3535.5	3370.0	3369.5	3487.2	3860.3	4563.7	4743.9	5062.1	5763.9
65°	3283.5	3251.1	3153.1	3364.5	3675.7	4240.5	5030.9	5202.9	5374.9	5961.1
67.5°	2499.0	2503.4	2496.3	2904.4	3523.4	4786.6	5707.4	5694.3	5761.1	6182.4
70°	1142.7	1168.4	1336.1	2004.9	2822.8	4849.6	6826.0	6655.7	6245.9	6468.9
72.5°	617.4	637.1	705.6	971.2	1697.1	4311.7	7662.0	7783.0	6890.7	6661.7
75°	453.0	464.0	511.6	617.4	712.7	3204.6	7362.3	7983.5	6971.2	6212.0
77.5°	339.1	344.0	382.9	489.2	364.8	1689.4	5882.7	6611.9	5967.6	5103.8
80°	246.0	251.4	280.5	367.0	255.8	617.9	4039.4	4640.9	4087.1	3253.3
82.5°	169.8	172.0	184.6	249.8	178.6	239.9	2292.0	2721.4	2281.6	1141.6
85°	102.4	105.2	110.7	145.7	101.3	113.9	989.3	1023.3	682.0	272.8
87.5°	42.2	44.9	49.3	61.4	40.0	31.8	163.2	204.9	127.6	80.0
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°
1869.1	0°	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1	1869.1
1874.5	2.5°	1871.8	1868.0	1857.6	1843.3	1830.2	1813.7	1806.6	1800.6	1795.1	1784.7
1889.3	5°	1883.3	1872.9	1845.0	1808.8	1767.7	1722.8	1679.0	1648.9	1623.1	1603.9
1906.3	7.5°	1900.8	1881.1	1830.2	1756.2	1662.0	1565.6	1478.5	1416.6	1370.0	1353.0
1930.4	10°	1918.9	1895.4	1806.6	1676.2	1513.5	1365.1	1249.5	1186.0	1148.7	1136.7
1958.9	12.5°	1940.3	1905.8	1769.9	1565.0	1347.6	1184.9	1084.1	1046.8	1027.7	1021.1
1994.0	15°	1971.5	1914.5	1714.6	1425.9	1189.3	1053.4	988.2	962.5	952.6	952.1
2030.1	17.5°	1995.1	1916.2	1628.6	1276.9	1067.6	974.0	920.3	910.4	917.0	926.9
2065.7	20°	2021.4	1901.4	1515.7	1141.1	982.2	904.4	881.9	888.5	904.4	918.6
2112.8	22.5°	2040.0	1874.5	1379.3	1035.3	908.2	864.4	863.3	877.0	885.8	892.9
2168.2	25°	2056.4	1829.1	1234.7	946.6	847.4	840.3	852.4	848.0	842.0	848.0
2223.5	27.5°	2068.5	1757.3	1105.4	868.8	804.7	823.9	816.8	806.9	806.4	809.6
2288.7	30°	2064.6	1661.5	999.2	794.8	774.6	793.2	776.2	774.6	772.9	774.6
2386.7	32.5°	2064.6	1552.4	917.6	743.9	755.4	748.3	746.6	742.8	736.2	735.7
2519.8	35°	2076.1	1443.4	847.4	716.5	739.5	722.5	723.6	714.3	700.6	694.1
2696.2	37.5°	2099.7	1355.8	777.9	703.4	711.6	711.0	706.7	690.8	666.7	645.8
2916.4	40°	2156.7	1330.0	730.2	697.3	698.4	705.0	693.5	662.8	608.0	574.1
3139.9	42.5°	2245.9	1373.3	719.8	682.5	689.7	696.2	673.8	602.6	563.7	543.4
3374.4	45°	2359.3	1448.9	742.3	661.2	668.9	680.4	613.5	579.6	562.0	562.6
3606.7	47.5°	2502.9	1528.3	783.9	642.6	638.7	645.3	573.5	552.7	528.6	534.6
3829.6	50°	2668.8	1608.9	823.3	617.4	605.3	583.9	547.8	528.1	497.4	483.2
4044.9	52.5°	2848.5	1686.7	839.2	586.7	569.2	544.5	530.3	506.2	468.9	445.4
4248.1	55°	3018.9	1757.3	821.7	550.0	533.0	513.8	511.6	496.8	456.9	424.0
4428.9	57.5°	3179.9	1816.5	777.9	512.7	496.3	484.8	499.6	492.5	442.1	399.9
4599.8	60°	3316.3	1857.0	714.3	474.9	463.4	457.4	479.9	477.7	421.3	374.1
4753.2	62.5°	3424.8	1872.9	644.2	438.8	436.0	425.1	452.5	452.5	395.0	348.9
4887.9	65°	3509.7	1857.6	573.0	403.2	408.7	392.2	419.1	415.8	367.0	326.5
5043.0	67.5°	3584.8	1807.2	494.1	368.1	380.7	359.9	384.0	376.3	336.3	304.0
5177.2	70°	3618.2	1689.9	404.3	333.1	348.4	328.1	348.9	334.7	301.8	279.9
5029.8	72.5°	3349.7	1404.5	318.3	296.4	309.5	293.1	311.1	294.7	264.6	254.7
4343.4	75°	2771.3	1054.0	244.9	256.4	266.2	253.6	265.7	253.6	226.2	233.4
3208.4	77.5°	2012.6	711.6	187.3	214.2	218.6	212.0	222.4	208.7	184.1	182.4
1599.0	80°	1000.8	416.9	146.8	169.3	167.6	163.2	175.3	168.7	147.9	156.7
431.7	82.5°	289.8	178.6	106.8	118.9	115.6	116.7	125.4	128.7	192.8	191.2
134.2	85°	90.9	70.1	64.1	66.3	63.0	64.6	74.0	146.8	135.9	79.4
41.6	87.5°	23.6	24.1	15.9	17.0	17.5	20.8	23.6	89.3	42.7	27.9
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>
1869.1
1779.8
1588.0
1323.5
1118.0
1022.7
954.3
930.7
923.6
896.7
851.8
815.1
780.6
742.8
700.6
653.0
578.5
543.4
565.3
550.0
487.0
444.8
424.0
397.7
372.5
347.3
324.3
301.8
275.5
246.5
<i>213.1</i>
174.2
155.0
195.6
86.0
29.6
0.0

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