

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: P947314

Luminaire Tested: **GALN-SB2C-950-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
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-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10356 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

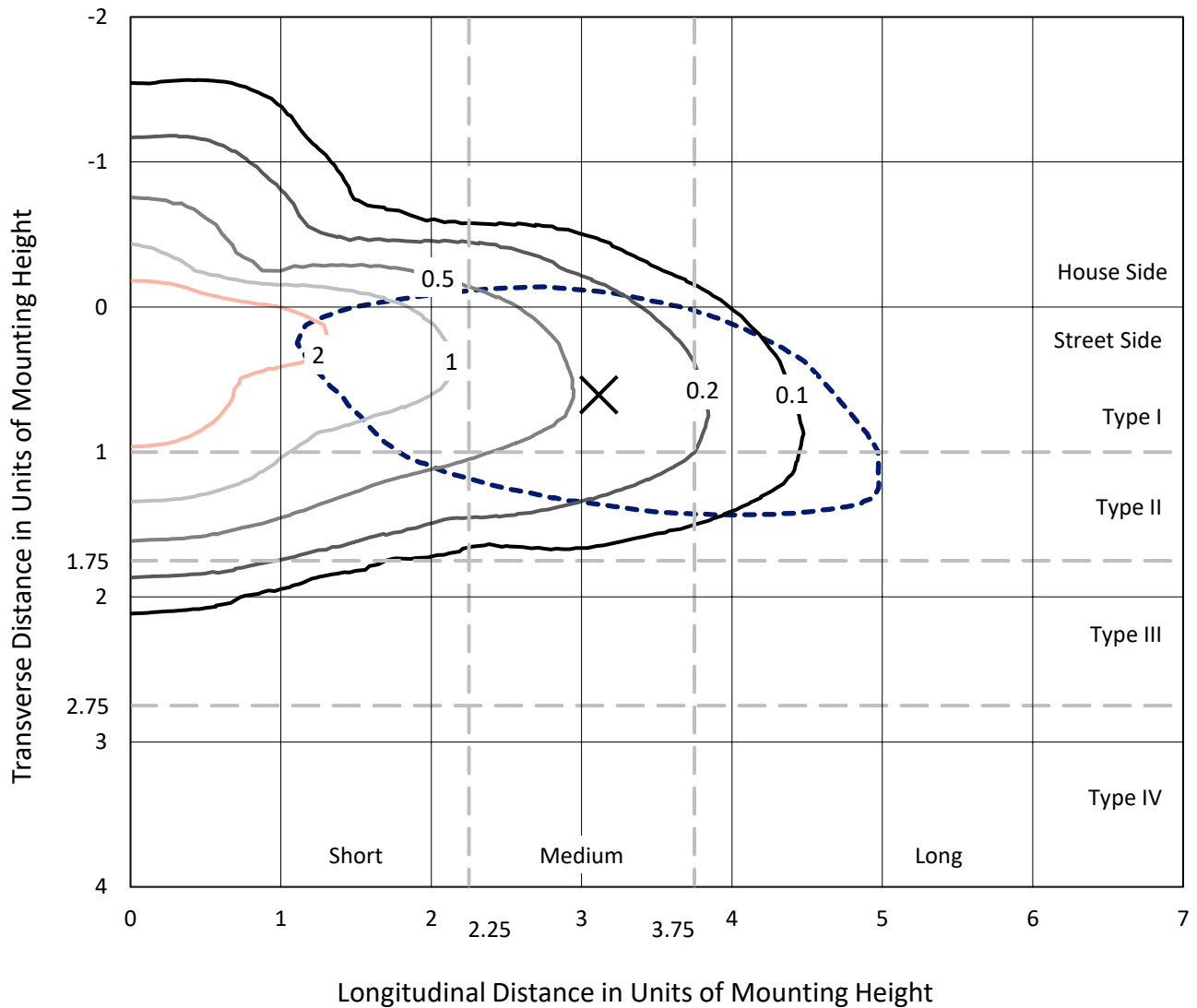
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

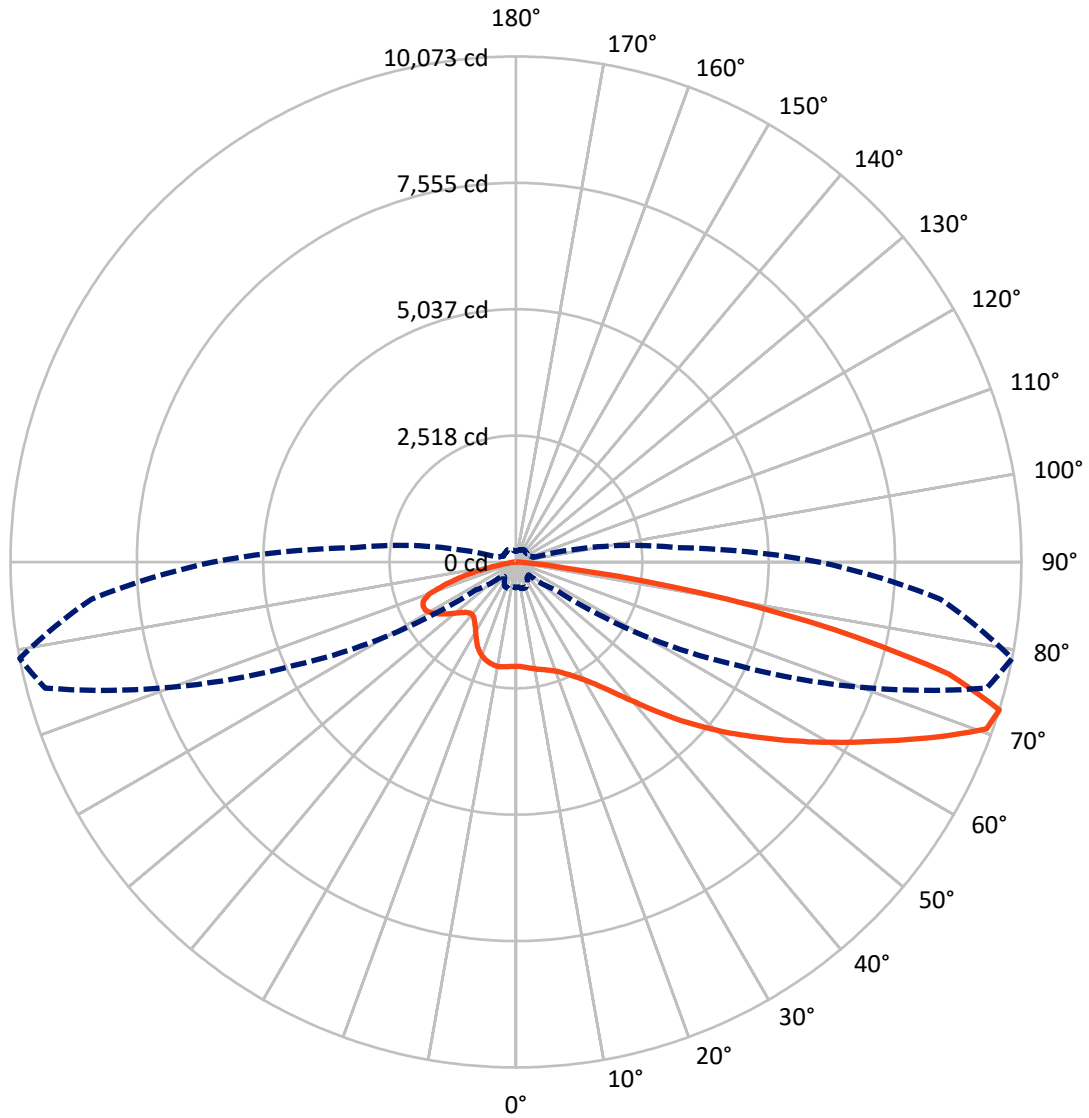
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2278.9	0.0	2278.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8077.1	0.0	8077.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	10356.0	0.0	10356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	1.8
10°-20°	493.4	4.8
20°-30°	796.1	7.7
30°-40°	1194.8	11.5
40°-50°	1694.9	16.4
50°-60°	2140.4	20.7
60°-70°	2173.9	21.0
70°-80°	1481.6	14.3
80°-90°	192.2	1.9
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°	10356.0	100.0
0°-180°	10356.0	100.0

Coefficient of Utilization



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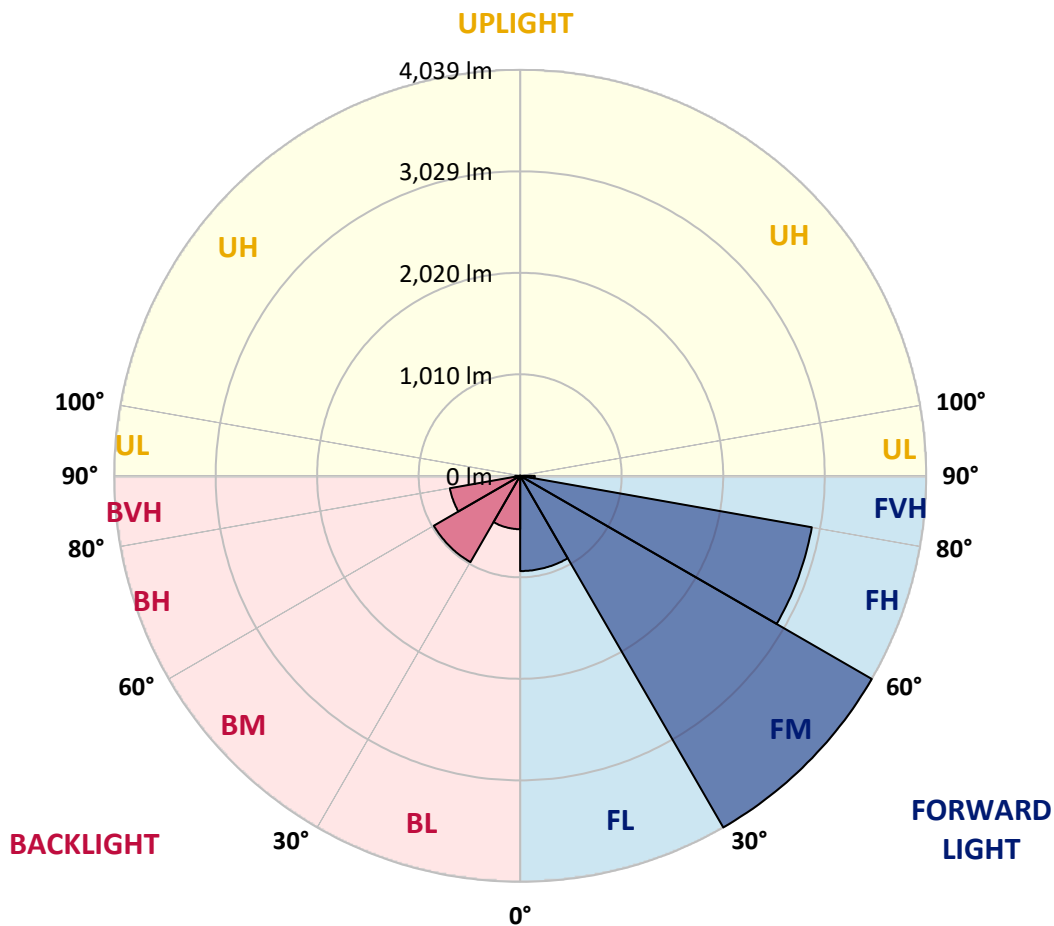
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	947.3	9.1			
FM (30°-60°)	4039.1	39.0			
FH (60°-80°)	2945.9	28.4			G2/5000
FVH (80°-90°)	144.8	1.4			G2/225
BL (0°-30°)	530.8	5.1	B2/1000		
BM (30°-60°)	991.1	9.6	B1/1000		
BH (60°-80°)	709.6	6.9	B2/1000		G2/1000
BVH (80°-90°)	47.4	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-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9
2.5°	2080.0	2070.1	2076.1	2073.9	2076.7	2080.0	2081.1	2082.7	2088.2	2087.6
5°	2075.6	2065.7	2073.9	2071.2	2078.3	2086.0	2092.6	2098.6	2107.4	2111.2
7.5°	2066.3	2059.7	2067.9	2076.1	2089.3	2100.8	2110.1	2123.8	2136.4	2138.6
10°	2012.0	2007.1	2026.3	2047.6	2083.8	2115.0	2135.3	2151.2	2164.9	2167.1
12.5°	1955.6	1949.6	1971.0	2000.0	2058.6	2115.0	2157.8	2178.6	2190.6	2197.7
15°	1946.3	1941.4	1953.4	1978.6	2027.4	2100.2	2173.1	2211.4	2221.8	2230.1
17.5°	1991.2	1981.9	1986.8	1995.6	2024.1	2086.5	2185.1	2248.7	2264.6	2273.3
20°	2095.3	2082.2	2074.5	2057.0	2052.0	2088.7	2184.0	2293.6	2314.4	2325.4
22.5°	2233.9	2225.1	2208.7	2164.3	2116.1	2115.6	2204.9	2351.1	2390.0	2400.4
25°	2401.5	2388.4	2367.6	2307.3	2214.7	2168.7	2239.9	2424.5	2489.7	2492.5
27.5°	2594.3	2574.6	2546.1	2466.7	2341.8	2252.0	2293.6	2508.9	2604.2	2603.1
30°	2797.6	2777.9	2747.7	2651.3	2494.1	2364.3	2368.1	2599.8	2740.1	2734.0
32.5°	2946.0	2931.2	2925.2	2850.7	2669.4	2496.8	2453.6	2700.6	2907.7	2902.2
35°	3060.0	3040.8	3047.9	3010.1	2860.6	2645.3	2558.2	2820.6	3111.5	3110.9
37.5°	3172.8	3155.8	3161.9	3136.7	3037.5	2833.7	2685.8	2967.4	3364.0	3376.0
40°	3275.8	3257.7	3281.8	3258.3	3175.0	3034.2	2831.0	3133.4	3656.5	3679.5
42.5°	3337.7	3323.5	3363.4	3364.0	3294.4	3203.5	2990.4	3316.3	3995.0	4046.5
45°	3359.1	3354.1	3414.4	3427.0	3400.1	3301.5	3133.9	3515.7	4359.9	4451.9
47.5°	3336.0	3326.7	3410.0	3456.6	3477.9	3347.6	3252.8	3731.6	4732.4	4867.1
50°	3219.9	3201.8	3325.6	3423.7	3499.8	3377.7	3372.8	3980.8	5155.8	5303.2
52.5°	3011.2	2997.5	3138.3	3308.7	3451.6	3392.5	3507.5	4253.1	5557.9	5748.5
55°	2744.4	2726.4	2881.4	3103.8	3331.7	3387.5	3642.3	4557.6	6032.3	6225.6
57.5°	2321.5	2285.4	2481.5	2744.4	3136.1	3381.5	3782.5	4860.6	6514.3	6746.1
60°	1704.7	1651.0	1891.5	2203.2	2753.7	3322.9	3956.1	5200.2	7092.8	7301.5
62.5°	992.6	961.4	1118.6	1409.5	2075.6	2977.8	4053.7	5595.1	7661.4	7880.5
65°	770.7	762.0	775.7	798.1	1155.3	2229.5	3752.9	5980.2	8384.5	8537.9
67.5°	705.0	698.4	704.5	662.3	586.1	1241.8	2969.0	6077.7	9159.1	9252.2
70°	626.7	619.0	638.7	602.6	461.2	564.8	1918.4	5723.9	9775.3	9950.1
72.5°	510.5	501.8	547.8	531.4	388.4	362.6	963.6	4883.0	9710.7	10073.3
75°	392.2	387.3	442.1	455.8	316.6	285.4	462.3	3629.7	8545.5	8910.9
77.5°	304.6	300.7	328.7	378.5	255.3	221.3	284.3	2302.4	6439.8	6503.9
80°	228.4	217.5	243.2	293.1	198.8	161.6	192.8	1342.6	4070.6	3689.9
82.5°	143.0	137.5	158.9	195.6	140.2	111.2	125.4	741.7	1631.3	960.8
85°	81.6	79.4	86.6	111.7	76.1	64.1	71.8	327.6	298.0	204.9
87.5°	32.9	31.8	39.4	49.8	27.9	23.6	25.2	78.9	65.7	60.8
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°
2078.9	0°	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9	2078.9
2087.1	2.5°	2084.9	2084.9	2077.2	2065.2	2051.5	2042.7	2028.5	2024.6	2009.8	2005.5
2105.7	5°	2110.1	2105.7	2082.2	2048.2	2001.6	1958.9	1911.8	1882.2	1840.6	1825.8
2142.4	7.5°	2141.9	2129.8	2089.3	2014.8	1917.3	1821.4	1721.7	1646.1	1573.8	1548.1
2172.5	10°	2170.9	2153.9	2084.9	1954.5	1785.8	1619.8	1461.0	1349.8	1265.4	1230.9
2206.0	12.5°	2199.9	2168.7	2055.9	1854.3	1599.0	1373.9	1204.6	1118.0	1066.0	1024.4
2233.3	15°	2227.3	2183.5	2010.9	1720.1	1394.1	1165.7	1040.8	971.8	930.1	902.8
2273.3	17.5°	2259.1	2196.1	1943.6	1549.7	1199.1	1021.6	919.7	878.1	869.9	866.6
2328.1	20°	2303.5	2207.6	1854.8	1359.1	1055.6	906.6	854.0	850.2	849.6	848.0
2393.8	22.5°	2351.1	2221.3	1737.6	1186.0	933.4	834.8	825.5	817.9	812.9	812.4
2473.3	25°	2407.5	2225.7	1590.8	1044.1	829.4	800.9	789.9	778.4	775.1	775.1
2563.7	27.5°	2462.3	2210.9	1419.9	920.8	770.7	769.6	755.4	751.6	751.0	752.7
2666.6	30°	2517.1	2182.9	1250.1	806.9	736.8	736.8	731.8	734.6	736.8	742.3
2808.0	32.5°	2591.1	2153.4	1108.2	722.5	707.2	701.7	706.7	712.1	714.3	721.4
2993.7	35°	2699.5	2132.6	995.3	676.5	676.5	669.4	672.1	671.0	666.1	662.8
3218.3	37.5°	2843.0	2131.5	902.2	655.2	650.8	649.7	650.2	643.1	623.9	600.9
3490.0	40°	3015.6	2161.0	830.5	640.4	637.1	643.7	640.4	621.2	568.6	528.6
3824.1	42.5°	3247.3	2245.4	784.4	622.3	632.2	640.4	627.2	560.9	525.3	498.5
4204.8	45°	3520.1	2382.3	760.9	603.1	622.8	632.7	569.2	540.1	511.6	479.3
4620.1	47.5°	3829.1	2554.9	755.4	585.0	602.0	608.0	544.5	531.4	499.0	464.0
5037.5	50°	4165.4	2759.2	770.2	563.7	571.9	551.1	536.3	524.2	490.8	456.3
5465.3	52.5°	4513.3	2984.4	799.8	534.6	541.8	518.8	533.0	522.6	485.9	439.3
5907.4	55°	4855.1	3211.2	828.3	500.7	511.1	489.7	523.7	516.0	463.4	410.8
6379.0	57.5°	5202.4	3436.8	856.2	470.6	481.5	461.8	508.9	498.5	438.2	384.5
6894.0	60°	5563.4	3656.0	869.3	441.5	449.2	436.0	486.4	468.4	409.7	357.7
7400.1	62.5°	5901.4	3838.4	848.0	412.5	417.4	411.9	456.9	432.8	381.3	327.6
7927.6	65°	6240.4	3946.8	782.2	384.0	385.1	382.4	415.2	394.4	347.8	301.3
8389.4	67.5°	6547.8	4007.6	677.6	353.3	350.6	349.5	376.3	352.8	315.5	275.0
8740.6	70°	6612.9	3853.2	517.7	317.2	317.2	314.4	333.6	309.5	279.9	247.1
8489.1	72.5°	6039.9	3241.3	367.6	276.1	280.5	275.0	290.9	270.6	243.8	221.9
7316.3	75°	4870.4	2376.9	267.3	233.9	241.6	232.3	247.1	232.8	209.8	209.3
5041.9	77.5°	3346.5	1469.7	193.9	192.8	198.3	186.2	203.2	195.6	174.7	165.4
2194.5	80°	1428.1	586.1	141.3	149.0	149.0	138.0	157.8	160.0	141.9	137.5
423.4	82.5°	284.3	166.5	99.2	102.4	96.4	93.1	111.7	123.8	170.9	190.1
127.6	85°	85.5	61.4	59.7	55.9	49.3	49.8	65.7	124.3	153.4	87.6
42.2	87.5°	23.6	15.3	15.9	12.6	10.4	13.7	22.5	94.2	51.5	21.9
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>
2078.9
2012.6
1836.7
1551.3
1238.6
1038.1
907.7
868.8
853.5
818.4
778.4
757.0
746.1
727.5
670.5
601.5
527.5
497.4
477.1
461.2
452.5
436.0
408.1
383.5
356.1
327.0
298.0
271.7
246.0
215.3
188.4
155.0
137.5
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18.6
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