

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: P945900

Luminaire Tested: **GALN-SB1C-950-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945900  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1C-950-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

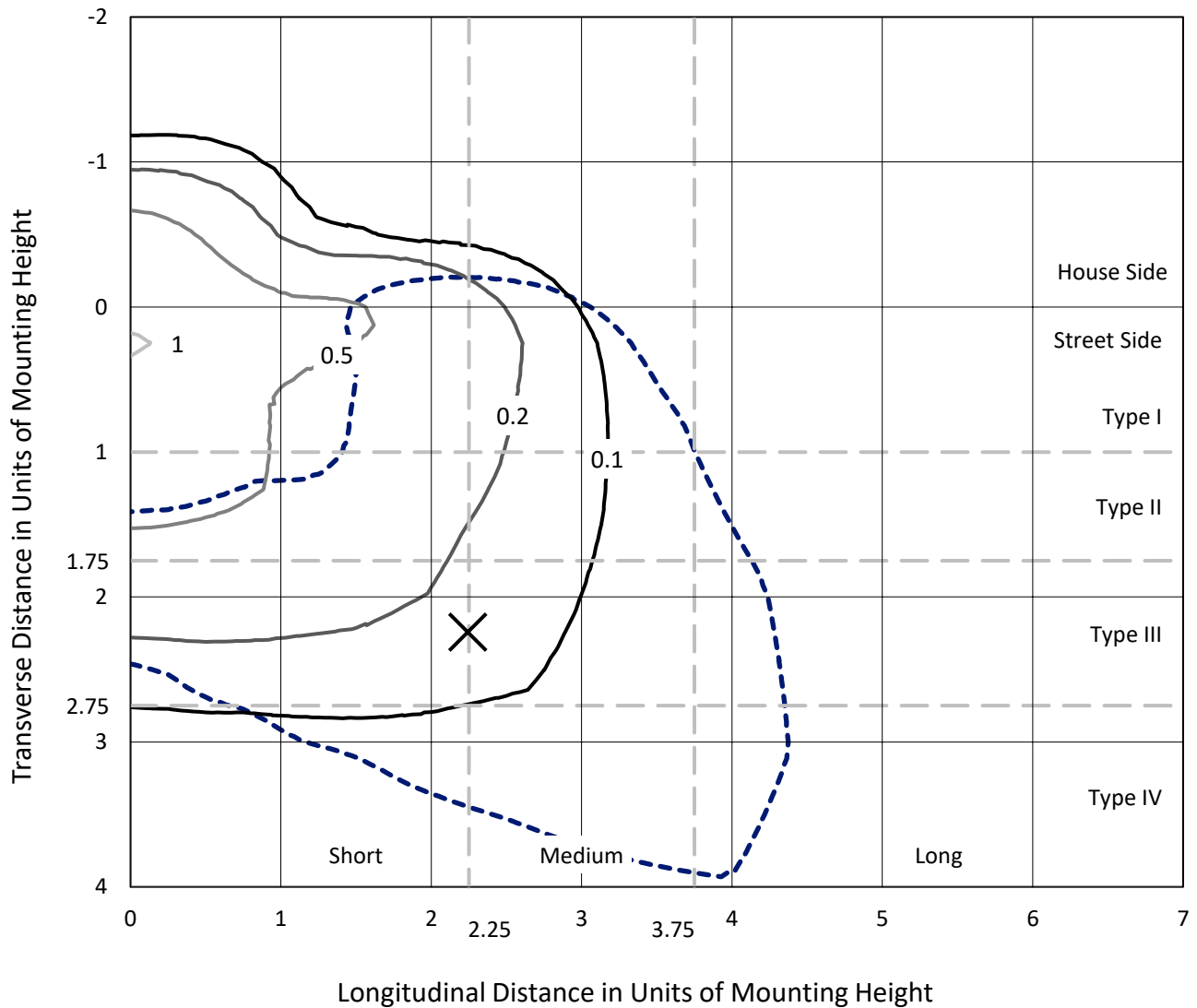
Lumens per Lamp: N/A  
Luminaire Lumens: 5201 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

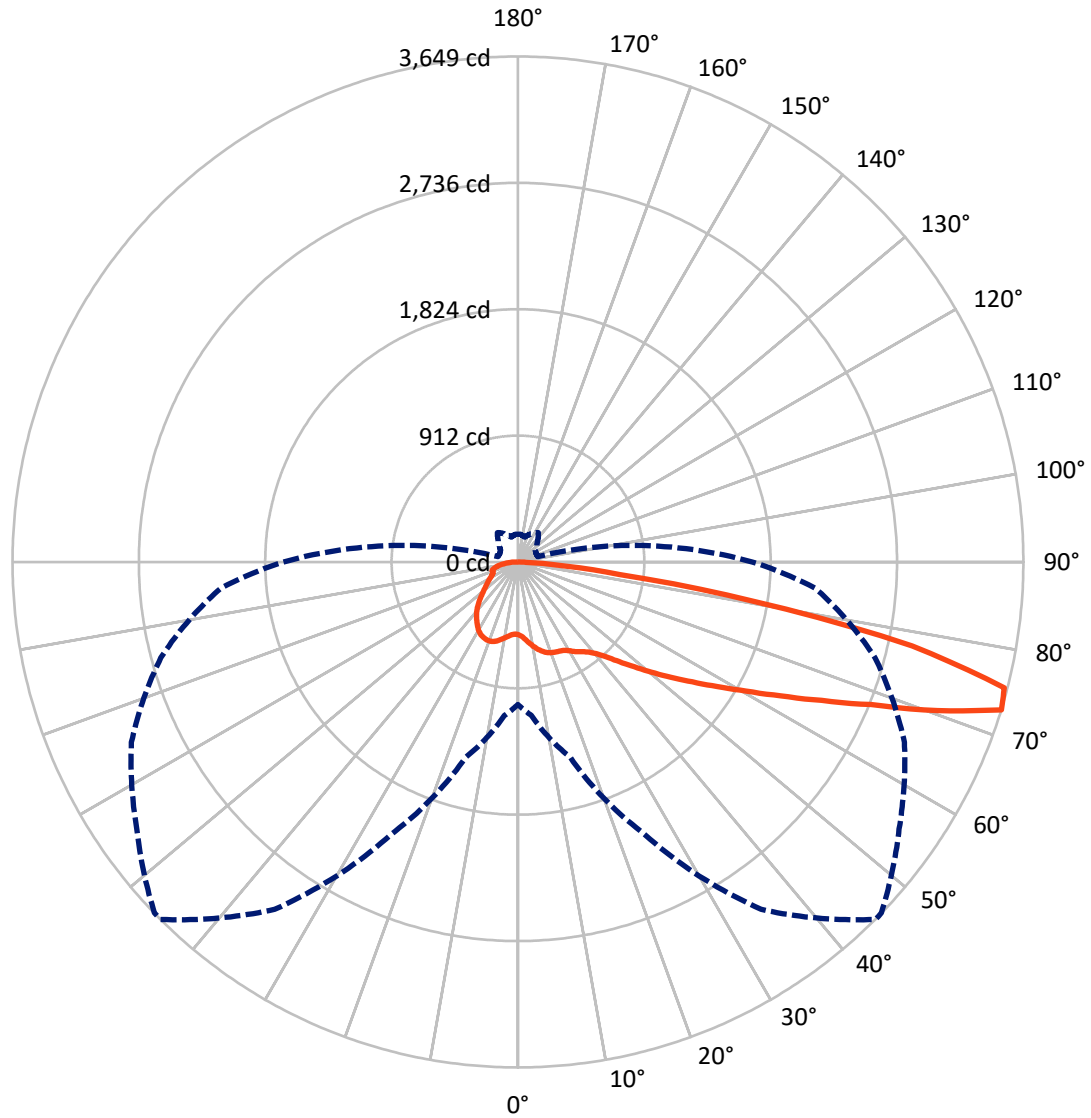
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1175.8	0.0	1175.8
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	4025.2	0.0	4025.2
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	5201.0	0.0	5201.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.4	1.0
10°-20°	178.0	3.4
20°-30°	309.7	6.0
30°-40°	444.0	8.5
40°-50°	625.2	12.0
50°-60°	957.6	18.4
60°-70°	1387.2	26.7
70°-80°	1107.8	21.3
80°-90°	138.0	2.7
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°	5201.0	100.0
0°-180°	5201.0	100.0



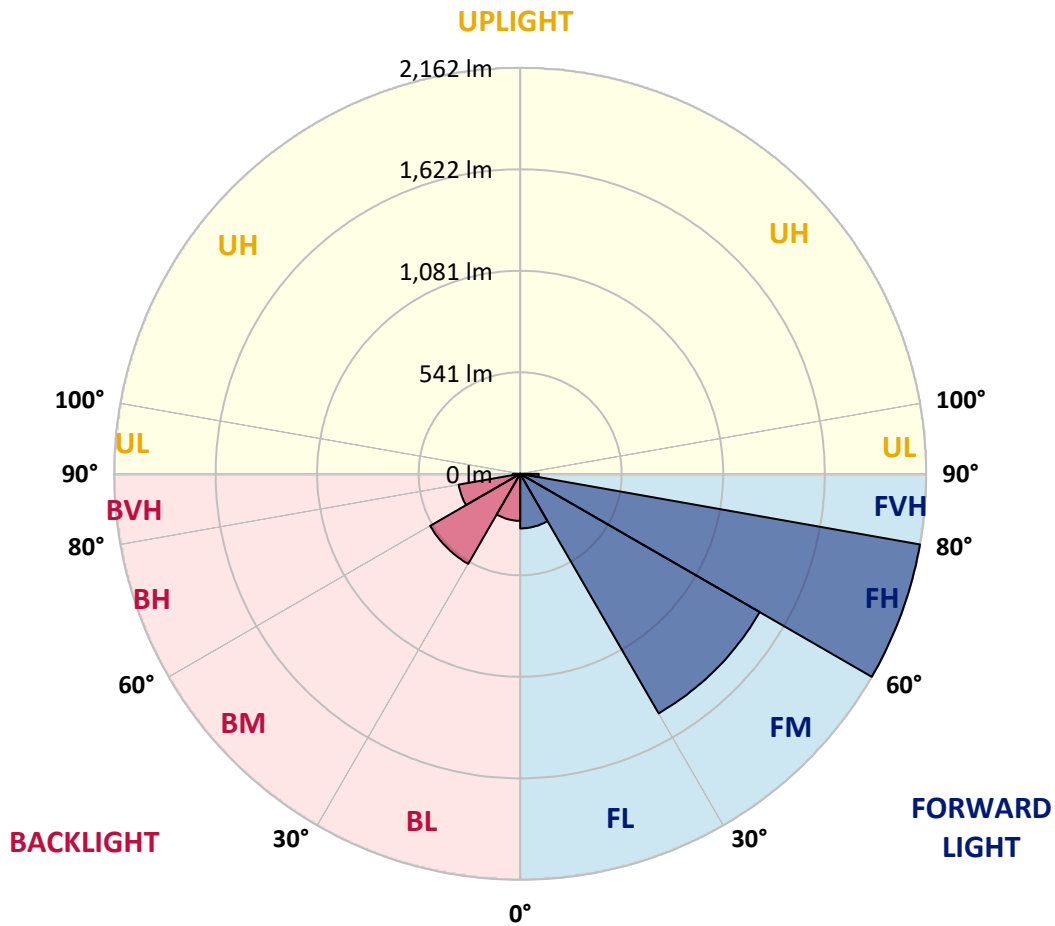
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.8	5.6			
FM (30°-60°)	1473.2	28.3			
FH (60°-80°)	2162.2	41.6			G2/5000
FVH (80°-90°)	99.0	1.9			G1/100
BL (0°-30°)	250.3	4.8	B1/500		
BM (30°-60°)	553.6	10.6	B1/1000		
BH (60°-80°)	332.8	6.4	B1/500		G1/500
BVH (80°-90°)	39.0	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7
2.5°	545.2	548.8	545.5	542.5	541.1	537.6	537.3	535.1	533.7	529.9
5°	583.3	588.0	582.5	576.5	571.0	562.2	561.1	554.8	547.7	539.5
7.5°	626.3	630.4	624.1	615.1	605.5	591.0	590.7	579.2	568.0	554.0
10°	663.9	669.3	660.8	648.5	636.5	620.0	618.1	605.0	590.7	572.6
12.5°	697.0	700.9	692.6	677.6	663.6	647.2	644.7	630.2	614.3	593.7
15°	723.3	728.2	717.3	701.1	686.3	670.2	668.0	654.8	638.9	617.3
17.5°	740.6	744.7	733.5	715.4	701.1	687.7	686.1	675.1	661.1	639.2
20°	747.2	751.5	739.8	721.4	708.2	697.8	697.0	689.1	679.5	659.5
22.5°	753.7	757.8	742.5	723.3	711.8	705.2	705.0	699.8	695.9	679.5
25°	780.3	781.4	760.9	733.2	716.7	711.0	710.7	710.4	712.1	699.2
27.5°	803.3	803.0	785.5	759.5	734.0	721.9	721.7	724.4	729.6	718.9
30°	837.0	834.0	813.2	786.1	762.8	744.1	742.5	740.0	744.1	735.6
32.5°	908.5	898.9	865.2	817.0	786.6	772.4	770.2	754.8	756.5	751.3
35°	1011.0	998.4	953.5	875.7	816.2	795.9	794.8	775.4	772.1	767.4
37.5°	1132.9	1117.3	1065.0	960.6	867.2	823.3	821.7	804.1	790.7	785.8
40°	1255.4	1235.7	1192.4	1064.2	942.2	869.1	863.9	837.3	822.0	813.7
42.5°	1374.3	1357.9	1320.9	1180.3	1034.8	935.9	924.4	878.9	867.4	859.8
45°	1479.5	1464.7	1437.6	1304.4	1143.3	1026.9	1015.7	941.4	937.8	937.8
47.5°	1565.0	1561.7	1532.9	1431.0	1271.3	1130.5	1111.0	1028.3	1037.9	1052.6
50°	1659.8	1650.8	1620.1	1555.7	1421.7	1249.1	1233.2	1134.8	1170.7	1211.3
52.5°	1746.9	1751.9	1717.6	1685.6	1591.6	1381.4	1353.5	1260.6	1338.1	1405.3
55°	1836.5	1836.8	1827.2	1822.8	1769.7	1527.7	1497.0	1411.8	1535.1	1618.4
57.5°	1920.6	1921.2	1935.4	1974.1	1976.2	1696.5	1661.7	1597.6	1754.0	1839.0
60°	1995.7	1999.5	2038.4	2128.9	2157.9	1889.9	1857.1	1817.1	1980.4	2065.8
62.5°	2020.9	2034.9	2121.5	2250.0	2337.4	2127.2	2094.9	2071.0	2218.2	2297.6
65°	1978.2	2010.2	2177.6	2350.0	2522.0	2409.1	2377.1	2351.1	2465.3	2540.1
67.5°	1873.2	1914.6	2174.3	2454.9	2746.1	2748.3	2718.5	2657.4	2730.3	2759.0
70°	1596.8	1658.7	1982.8	2494.1	3003.4	3212.2	3183.4	3026.2	2994.6	2855.5
72.5°	1028.8	1112.1	1460.1	2171.6	3060.7	3648.6	3647.0	3359.0	3078.2	2668.1
75°	375.4	426.3	678.4	1363.1	2569.1	3626.5	3637.1	3302.1	2810.0	2060.9
77.5°	136.7	149.6	221.4	523.9	1580.1	2909.7	2931.9	2639.8	2000.1	1034.3
80°	71.8	78.9	113.4	203.3	677.0	1728.0	1762.8	1568.8	940.0	311.5
82.5°	39.7	43.0	63.6	110.4	304.9	738.9	759.8	619.8	330.7	132.1
85°	21.4	22.7	29.9	60.3	149.0	256.2	261.9	185.2	131.8	77.5
87.5°	6.3	7.7	9.9	19.2	58.4	57.5	58.9	36.7	52.1	39.2
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°
524.7	0°	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7	524.7
528.8	2.5°	527.1	526.3	523.3	521.9	520.3	520.0	521.4	521.7	521.9	522.2
534.8	5°	532.1	529.3	526.6	525.0	525.5	525.8	528.5	530.4	531.8	532.9
546.1	7.5°	541.7	539.5	534.8	534.5	535.4	537.8	541.4	545.8	548.2	550.2
560.6	10°	555.9	551.8	546.3	547.1	548.8	552.4	559.7	563.3	567.4	571.0
578.4	12.5°	570.4	566.9	560.6	561.1	563.9	570.2	577.3	581.7	584.4	587.1
597.6	15°	589.3	583.0	576.2	576.2	581.1	588.0	591.3	594.8	596.5	599.5
618.1	17.5°	608.8	600.6	591.5	591.0	597.0	600.3	602.2	602.8	603.3	606.6
638.1	20°	628.2	619.2	606.3	605.2	606.6	606.1	605.8	605.2	606.1	610.2
658.7	22.5°	647.4	637.0	619.2	614.3	610.4	605.2	605.0	604.7	605.2	609.3
680.9	25°	669.9	657.3	633.5	618.7	605.8	598.7	599.5	599.8	600.3	603.6
703.9	27.5°	694.3	680.3	646.6	617.3	594.0	589.1	587.7	588.5	590.4	595.6
726.9	30°	718.7	702.2	658.7	611.8	579.2	572.4	568.0	569.9	575.9	581.1
746.9	32.5°	740.9	724.4	668.2	599.8	560.3	549.6	543.9	546.3	552.4	554.3
769.1	35°	766.9	748.3	672.4	580.6	539.7	523.3	515.6	512.1	515.1	513.2
795.1	37.5°	795.9	776.5	671.8	555.4	515.6	496.7	486.0	472.6	466.3	459.7
833.5	40°	838.9	811.0	665.2	525.0	485.8	468.5	449.3	426.6	412.3	399.5
895.4	42.5°	897.6	858.9	653.2	491.5	452.1	435.9	409.9	383.3	360.8	339.5
989.4	45°	985.0	921.7	638.1	455.9	415.6	399.7	371.5	341.7	316.2	288.8
1122.8	47.5°	1111.0	1006.1	623.9	415.4	377.3	362.8	337.3	309.6	279.5	252.9
1315.7	50°	1284.2	1127.2	610.7	375.9	339.5	328.5	308.2	280.0	249.6	228.2
1541.7	52.5°	1504.4	1291.8	605.2	337.8	304.1	300.0	283.8	257.5	228.8	210.7
1805.3	55°	1757.3	1488.8	605.2	301.4	273.2	274.5	263.3	238.9	214.0	197.8
2077.1	57.5°	2015.4	1688.3	594.3	267.7	246.9	252.6	245.5	224.1	201.7	184.9
2362.8	60°	2253.2	1855.4	549.9	237.0	223.6	232.6	228.0	209.6	182.2	168.2
2601.8	62.5°	2436.0	1949.7	464.4	212.6	204.4	214.8	212.3	190.4	178.6	172.9
2797.9	65°	2527.5	1934.3	355.1	191.0	188.2	204.4	199.2	198.4	189.0	182.5
2861.8	67.5°	2471.3	1802.3	257.5	175.1	178.9	194.8	214.8	218.1	200.8	188.0
2682.0	70°	2225.0	1563.4	191.8	160.0	167.1	195.1	244.9	228.2	197.0	181.9
2151.0	72.5°	1692.7	1165.8	148.8	144.1	151.8	196.4	258.4	223.6	186.0	201.1
1340.1	75°	968.0	640.0	119.5	124.7	132.6	183.6	251.5	211.5	177.5	184.7
531.0	77.5°	369.1	246.0	98.6	105.5	106.6	160.3	240.6	210.7	169.0	164.9
159.2	80°	128.0	96.2	81.6	83.8	82.5	142.5	230.7	183.3	138.4	123.8
65.8	82.5°	52.3	47.9	64.7	61.9	58.6	110.7	186.3	149.9	113.2	100.0
31.8	85°	22.7	30.4	42.7	37.5	34.0	76.7	149.3	126.9	95.6	82.5
10.4	87.5°	4.7	11.5	18.1	17.0	17.5	51.2	106.0	90.1	67.7	50.7
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

180°  
524.7  
523.3  
533.4  
550.7  
570.2  
588.2  
600.6  
607.7  
611.8  
612.1  
608.0  
600.8  
586.9  
561.1  
519.2  
463.9  
400.3  
337.5  
285.5  
249.9  
226.9  
209.3  
196.2  
182.2  
166.0  
171.0  
180.3  
185.8  
179.5  
*199.5*  
184.7  
150.4  
119.7  
98.9  
82.2  
39.7  
0.0

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