

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: P955155

Luminaire Tested: **GALN-SB8A-940-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955155  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8A-940-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

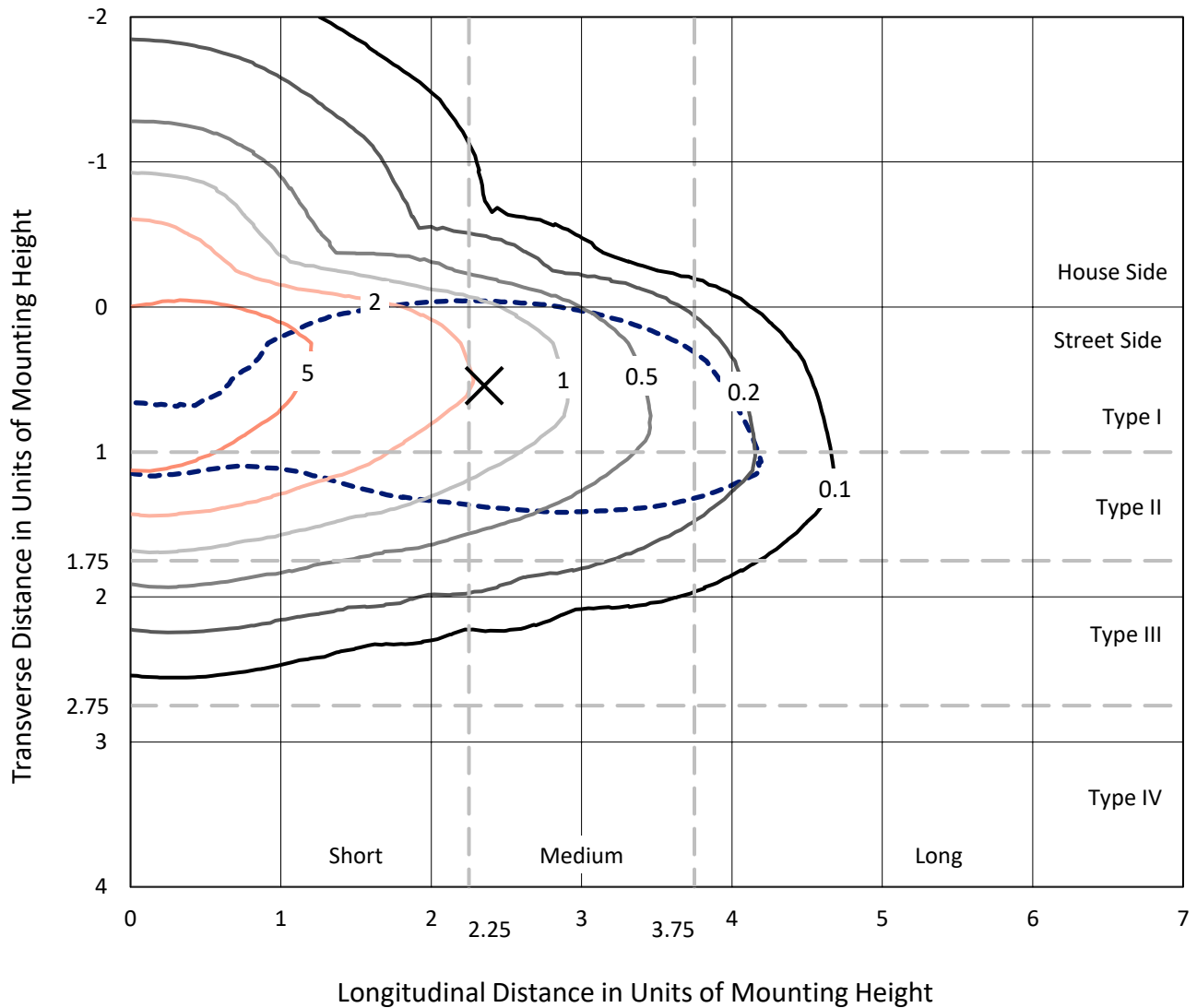
Lumens per Lamp: N/A  
Luminaire Lumens: 26772 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

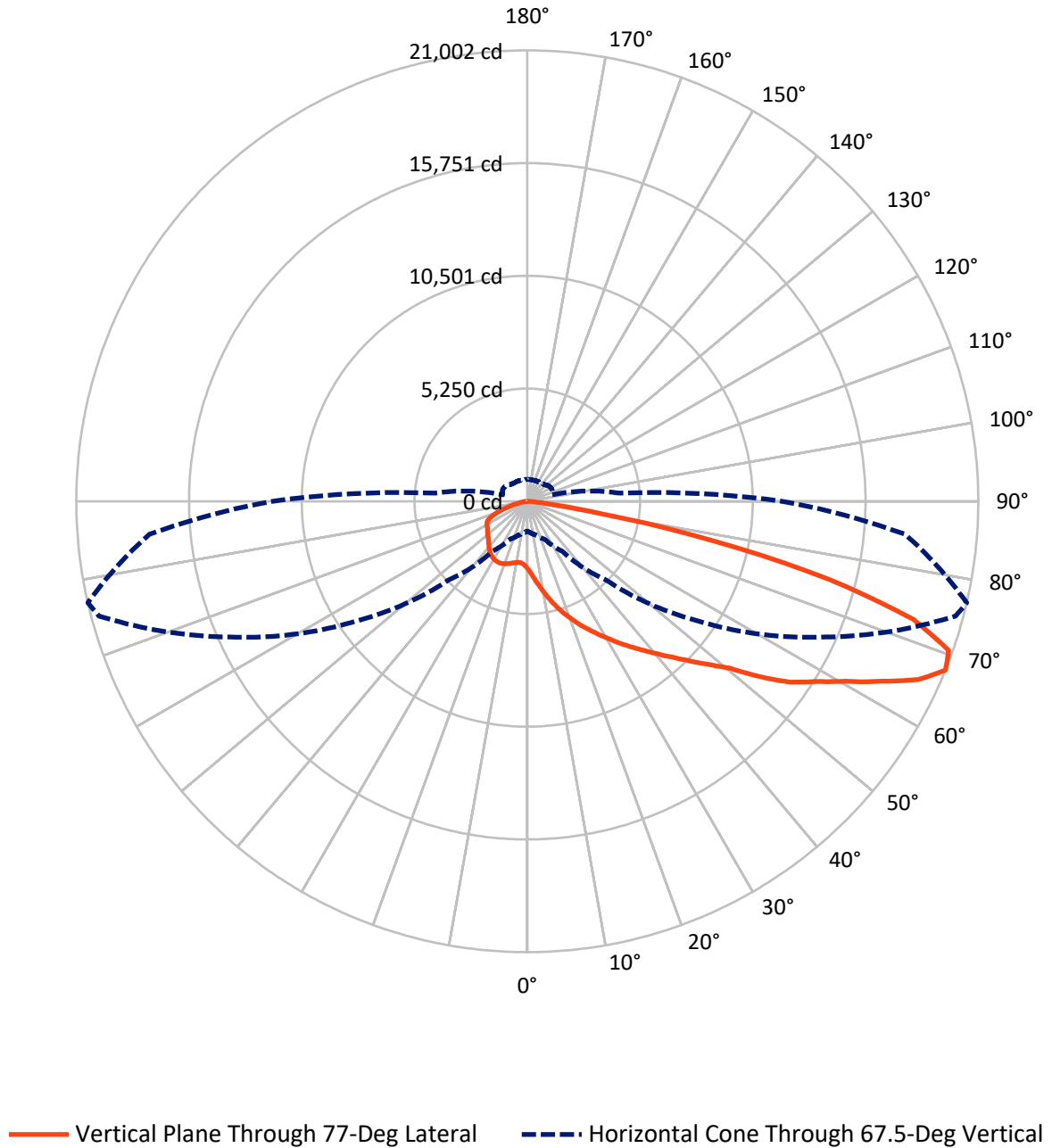
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5064.2	0.0	5064.2
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	21707.8	0.0	21707.8
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	26772.0	0.0	26772.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.7	1.3
10°-20°	1209.6	4.5
20°-30°	2283.8	8.5
30°-40°	3679.2	13.7
40°-50°	5032.5	18.8
50°-60°	5676.7	21.2
60°-70°	5298.5	19.8
70°-80°	2904.5	10.8
80°-90°	350.3	1.3
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°	26772.0	100.0
0°-180°	26772.0	100.0

**Coefficient of Utilization**

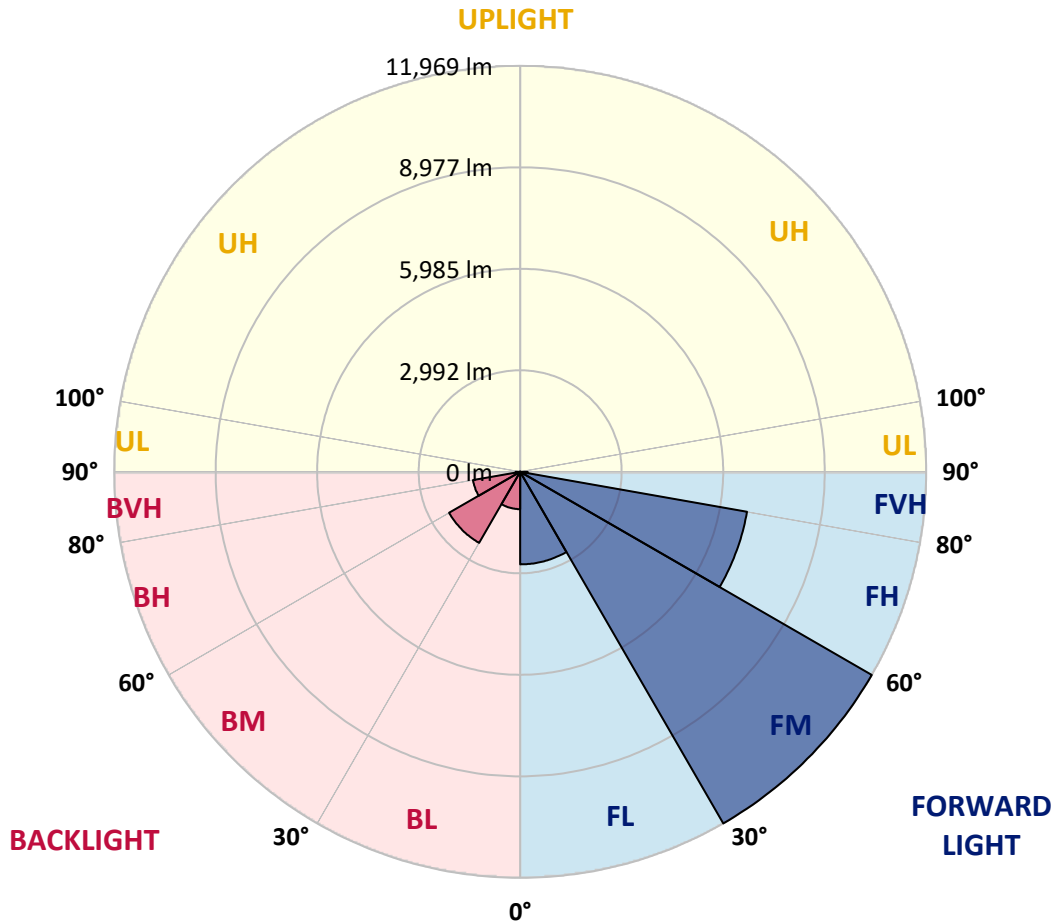


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2729.1	10.2			
FM (30°-60°)	11969.5	44.7			
FH (60°-80°)	6790.2	25.4			G3/7500
FVH (80°-90°)	219.1	0.8			G2/225
BL (0°-30°)	1101.1	4.1	B3/2500		
BM (30°-60°)	2419.0	9.0	B2/2500		
BH (60°-80°)	1412.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	131.2	0.5			G2/225
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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2
2.5°	3933.0	3960.7	3926.1	3926.1	3810.1	3749.2	3633.2	3544.7	3385.8	3358.2
5°	4648.9	4683.5	4635.1	4614.4	4477.5	4351.8	4156.9	3964.8	3681.5	3652.5
7.5°	5203.1	5247.3	5204.4	5182.3	5060.7	4919.8	4691.7	4423.6	4024.3	3967.6
10°	5655.0	5661.9	5648.1	5656.3	5561.0	5444.9	5211.4	4899.0	4400.1	4322.8
12.5°	5910.6	5942.4	5970.1	6019.8	6003.2	5931.4	5721.3	5348.2	4798.2	4698.7
15°	6030.9	6086.1	6148.3	6263.0	6355.6	6373.6	6213.3	5830.5	5203.1	5082.8
17.5°	6073.7	6126.2	6224.3	6390.2	6589.2	6723.2	6651.4	6299.0	5603.8	5465.6
20°	6290.7	6305.9	6365.3	6522.8	6738.4	6960.9	7014.8	6749.5	6000.5	5844.3
22.5°	6755.0	6724.6	6741.2	6813.0	6967.8	7183.4	7306.4	7147.5	6408.1	6228.5
25°	7522.0	7433.5	7345.1	7262.2	7341.0	7462.6	7602.1	7545.5	6835.2	6607.1
27.5°	8490.7	8382.9	8188.1	7915.8	7820.5	7863.3	7925.5	7914.5	7230.4	6999.6
30°	9444.3	9318.5	9086.4	8692.5	8441.0	8327.7	8280.7	8248.9	7660.2	7414.2
32.5°	10205.7	10106.2	9878.2	9437.4	9072.5	8879.1	8722.9	8609.6	8109.3	7863.3
35°	10871.9	10779.3	10518.1	10037.2	9640.5	9434.6	9230.1	8988.2	8576.4	8327.7
37.5°	11479.9	11387.3	11029.4	10529.1	10129.7	9987.4	9805.0	9394.5	9044.9	8810.0
40°	11864.1	11843.4	11508.9	10942.3	10527.7	10457.3	10396.5	9865.8	9564.5	9346.2
42.5°	11962.2	12007.8	11742.5	11276.8	10881.5	10824.9	10967.2	10399.2	10147.7	9939.0
45°	11725.9	11857.2	11683.1	11366.6	11133.0	11102.6	11473.0	10982.4	10793.1	10602.4
47.5°	11127.5	11350.0	11278.1	11233.9	11200.8	11332.0	11918.0	11601.5	11524.1	11358.3
50°	9919.7	10341.2	10466.9	10746.1	11066.7	11510.3	12322.9	12277.3	12378.2	12211.0
52.5°	7831.5	8412.0	9141.6	9840.9	10654.9	11450.9	12767.9	13247.4	13673.1	13581.9
55°	6464.8	6726.0	7287.1	8569.5	9856.1	11200.8	12968.3	14031.0	14958.3	14876.8
57.5°	5414.5	5648.1	5993.5	7064.6	8648.3	10632.8	13092.7	14509.2	15838.6	15830.3
60°	4288.2	4535.6	4889.4	5648.1	7237.3	9651.6	13065.0	15053.7	16962.1	17031.2
62.5°	3016.8	3289.1	3681.5	4389.1	5795.9	8380.2	12501.2	15447.5	18284.7	18472.6
65°	1983.1	2162.8	2458.5	3069.3	4318.6	6745.3	11424.6	15498.6	19699.8	20017.6
67.5°	1390.2	1459.3	1633.5	1965.1	2846.8	5172.7	9709.6	14969.4	20643.7	21001.6
70°	1084.8	1119.4	1207.8	1340.5	1788.3	3478.4	7440.5	13592.9	20441.9	20815.0
72.5°	937.0	970.1	1003.3	1019.9	1199.5	2147.6	5040.0	11365.2	18541.7	18794.6
75°	849.9	858.2	885.8	880.3	914.9	1393.0	2909.0	8280.7	14629.4	14542.3
77.5°	714.5	725.5	771.1	764.2	812.6	952.2	1510.5	5344.0	9484.4	8892.9
80°	605.3	610.8	660.6	652.3	706.2	689.6	771.1	2723.8	4022.9	3407.9
82.5°	210.1	259.8	504.4	519.6	539.0	417.4	445.0	1111.1	1228.6	941.1
85°	102.3	109.2	257.0	364.8	363.5	210.1	217.0	396.6	386.9	304.0
87.5°	16.6	20.7	30.4	142.3	113.3	55.3	74.6	77.4	80.2	69.1
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°
3141.2	0°	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2	3141.2
3253.1	2.5°	3175.7	3106.6	2961.5	2827.5	2722.5	2621.6	2564.9	2516.5	2488.9	2483.4
3405.1	5°	3261.4	3119.1	2855.1	2632.6	2487.5	2379.7	2323.1	2287.1	2269.2	2258.1
3609.7	7.5°	3384.4	3175.7	2799.8	2546.9	2394.9	2317.5	2288.5	2283.0	2281.6	2283.0
3857.0	10°	3554.4	3268.3	2794.3	2526.2	2399.1	2356.2	2354.9	2356.2	2361.8	2363.1
4126.5	12.5°	3738.2	3363.7	2816.4	2544.2	2451.6	2428.1	2424.0	2422.6	2426.7	2429.5
4398.8	15°	3938.6	3489.4	2853.7	2582.9	2509.6	2484.8	2480.6	2472.3	2470.9	2469.6
4684.8	17.5°	4144.5	3613.8	2895.2	2624.3	2546.9	2512.4	2497.2	2477.8	2462.6	2458.5
4980.6	20°	4353.2	3736.8	2924.2	2645.1	2549.7	2501.3	2470.9	2437.8	2411.5	2396.3
5279.1	22.5°	4575.7	3865.3	2942.2	2639.5	2524.8	2458.5	2403.2	2364.5	2324.5	2298.2
5580.3	25°	4792.6	3977.3	2940.8	2610.5	2476.5	2392.2	2321.7	2271.9	2216.7	2189.0
5891.3	27.5°	5001.3	4078.2	2906.3	2559.4	2407.4	2313.4	2229.1	2169.7	2115.8	2089.5
6205.0	30°	5216.9	4162.5	2852.4	2484.8	2325.8	2222.2	2129.6	2078.5	2030.1	2005.2
6536.7	32.5°	5431.1	4239.8	2776.4	2392.2	2231.9	2132.4	2041.1	1994.2	1965.1	1965.1
6893.2	35°	5657.7	4293.7	2675.5	2284.4	2132.4	2037.0	1965.1	1937.5	1934.7	1918.2
7270.5	37.5°	5896.8	4328.3	2552.5	2173.8	2034.2	1944.4	1922.3	1889.1	1861.5	1825.6
7685.1	40°	6148.3	4362.8	2404.6	2059.1	1930.6	1880.8	1871.2	1826.9	1748.2	1659.7
8154.9	42.5°	6453.7	4386.3	2251.2	1944.4	1821.4	1804.8	1818.7	1742.6	1616.9	1550.6
8721.5	45°	6807.5	4425.0	2110.2	1831.1	1709.5	1709.5	1767.5	1668.0	1564.4	1522.9
9368.3	47.5°	7266.3	4514.9	1979.0	1706.7	1605.8	1633.5	1654.2	1578.2	1520.2	1469.0
10156.0	50°	7929.7	4730.4	1843.5	1581.0	1527.1	1582.3	1553.3	1509.1	1441.4	1399.9
11408.1	52.5°	8753.3	4857.6	1723.3	1467.6	1459.3	1514.6	1473.2	1431.7	1380.6	1325.3
12357.5	55°	9314.4	4881.1	1622.4	1384.7	1413.7	1408.2	1393.0	1355.7	1328.1	1254.8
13294.4	57.5°	9941.8	4928.1	1539.5	1335.0	1384.7	1323.9	1318.4	1286.6	1250.7	1200.9
14437.3	60°	10692.2	5001.3	1467.6	1315.6	1359.8	1268.6	1241.0	1228.6	1192.6	1167.8
15812.3	62.5°	11510.3	5067.6	1394.4	1318.4	1330.8	1214.7	1173.3	1169.1	1147.0	1138.7
17103.1	65°	12068.6	4886.6	1303.2	1315.6	1285.2	1159.5	1106.9	1105.6	1087.6	1084.8
17662.8	67.5°	11873.8	4313.1	1180.2	1276.9	1238.2	1104.2	1046.1	1040.6	1017.1	1018.5
17078.2	70°	10898.1	3495.0	1010.2	1181.6	1180.2	1054.4	982.6	964.6	932.8	938.3
14849.1	72.5°	9068.4	2589.8	782.2	1022.6	1087.6	1008.8	909.3	880.3	840.2	845.8
10961.7	75°	6549.1	1760.6	569.4	778.0	946.6	954.9	837.5	787.7	739.3	747.6
6101.3	77.5°	3351.2	997.8	418.7	536.2	743.5	867.9	772.5	706.2	695.1	772.5
1759.2	80°	1093.1	500.3	290.2	375.9	487.8	710.3	677.2	601.2	598.4	616.4
369.0	82.5°	326.1	211.4	186.6	247.4	269.5	544.5	584.6	454.7	391.1	411.8
123.0	85°	111.9	102.3	106.4	123.0	128.5	319.2	409.1	301.3	284.7	313.7
27.6	87.5°	26.3	35.9	30.4	27.6	27.6	77.4	158.9	125.8	174.1	116.1
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

180°  
3141.2  
2483.4  
2256.7  
2287.1  
2364.5  
2430.9  
2468.2  
2462.6  
2401.8  
2299.6  
2189.0  
2088.1  
2003.8  
1966.5  
1914.0  
1820.0  
1647.3  
1551.9  
1529.8  
1467.6  
1395.8  
1314.2  
1256.2  
1184.3  
1174.7  
1138.7  
1083.5  
*1018.5*  
943.9  
844.4  
750.4  
761.5  
529.3  
425.6  
309.6  
111.9  
0.0

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