

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: P952240

Luminaire Tested: **GALN-SB6A-927-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952240  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-927-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

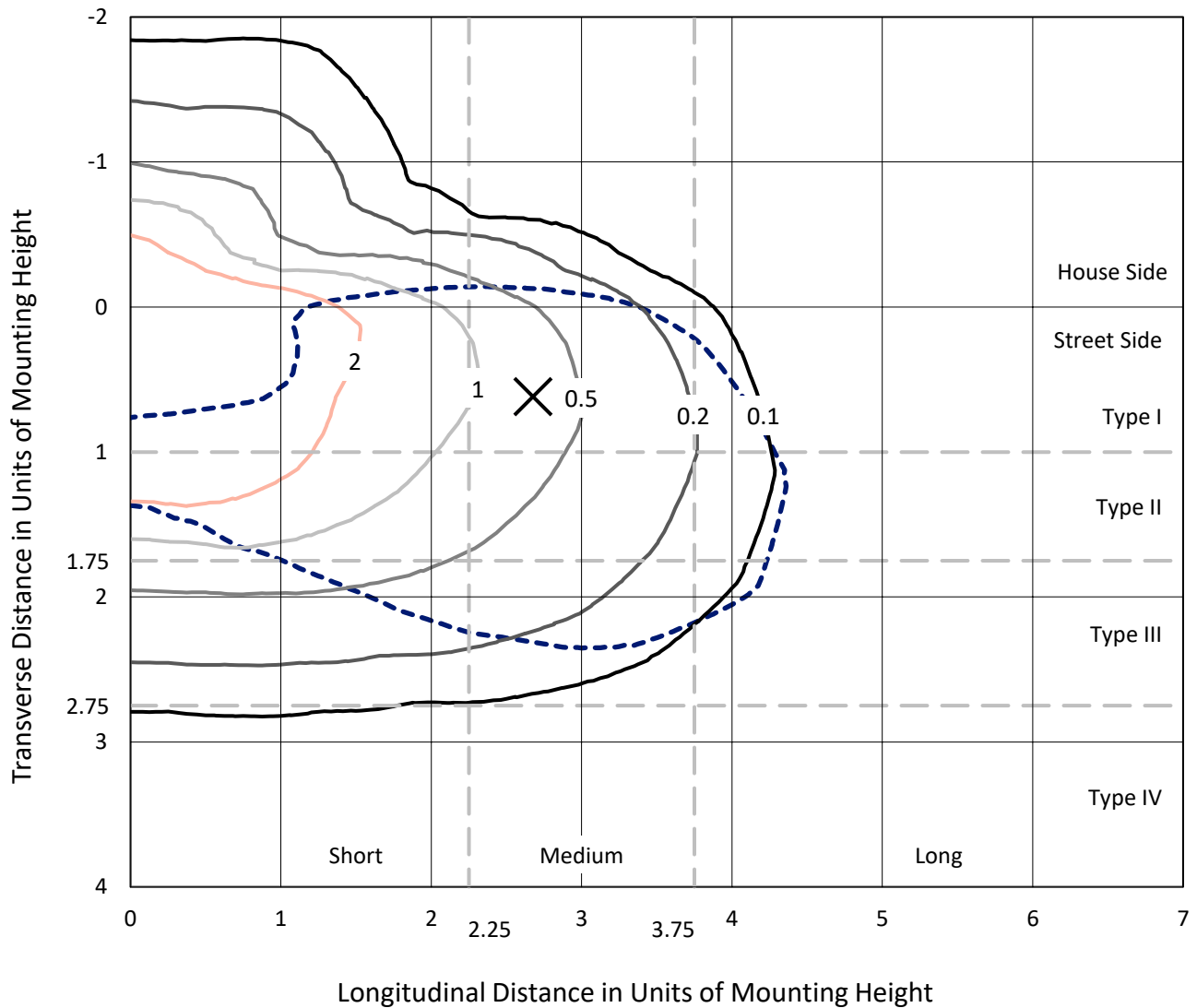
Lumens per Lamp: N/A  
Luminaire Lumens: 16998 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

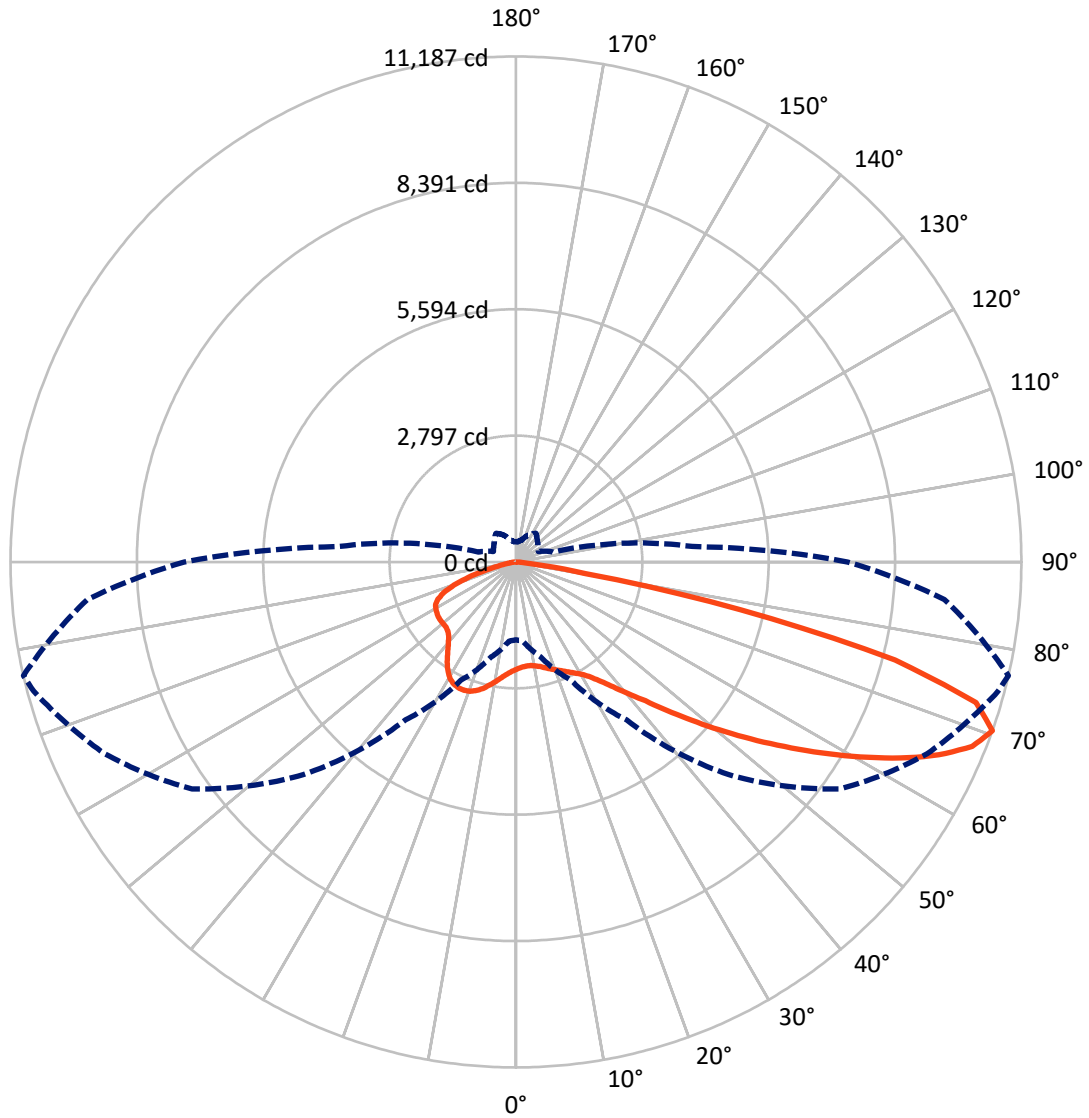
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3722.3	0.0	3722.3
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	13275.7	0.0	13275.7
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	16998.0	0.0	16998.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.2	1.3
10°-20°	652.7	3.8
20°-30°	1116.3	6.6
30°-40°	1795.1	10.6
40°-50°	2802.6	16.5
50°-60°	3743.6	22.0
60°-70°	3990.1	23.5
70°-80°	2456.3	14.5
80°-90°	215.2	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°	16998.0	100.0
0°-180°	16998.0	100.0

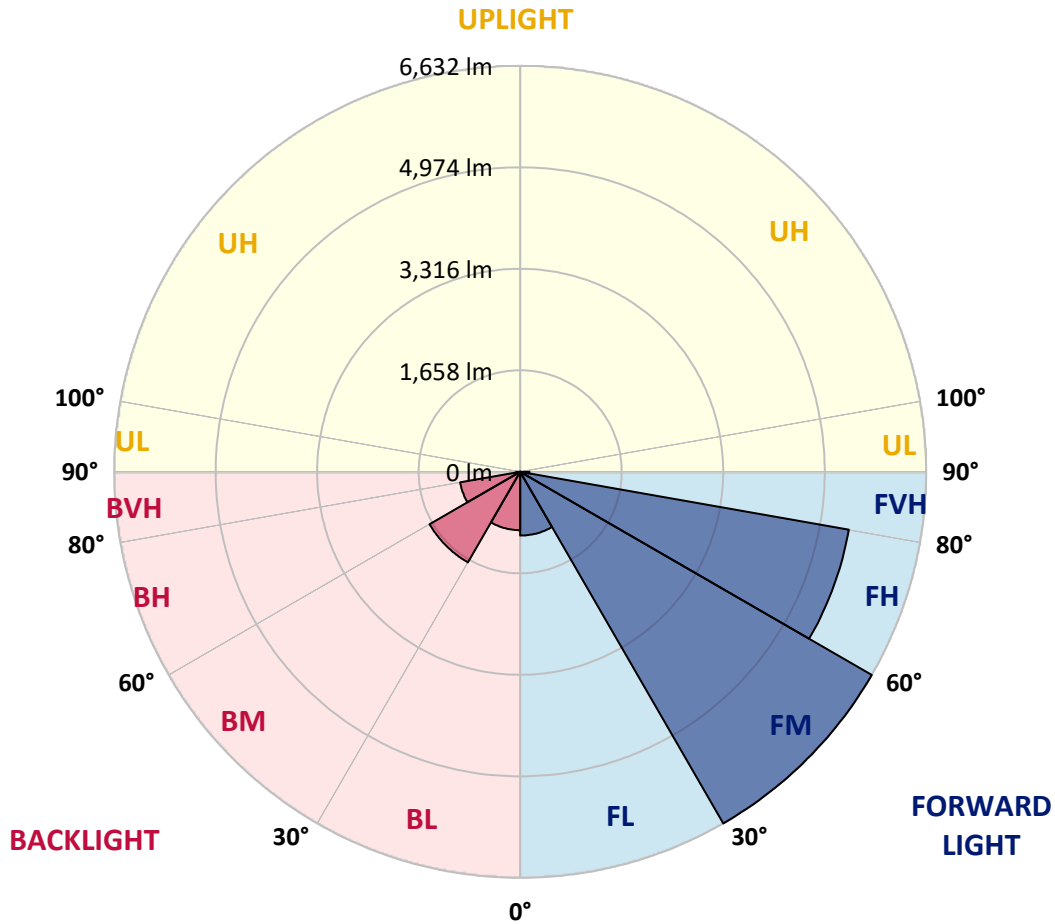


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.4	6.1			
FM (30°-60°)	6632.3	39.0			
FH (60°-80°)	5451.5	32.1			G3/7500
FVH (80°-90°)	150.5	0.9			G2/225
BL (0°-30°)	953.8	5.6	B2/1000		
BM (30°-60°)	1709.0	10.1	B2/2500		
BH (60°-80°)	994.8	5.9	B2/1000		G2/1000
BVH (80°-90°)	64.7	0.4			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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4
2.5°	2185.9	2185.1	2196.4	2199.9	2220.8	2235.6	2263.4	2293.0	2331.3	2335.7
5°	2059.7	2059.7	2072.8	2086.7	2113.7	2143.3	2185.9	2237.3	2303.5	2313.9
7.5°	1952.6	1959.6	1970.9	1997.9	2029.3	2071.9	2137.2	2210.3	2297.4	2313.9
10°	1866.5	1874.3	1888.2	1910.0	1957.0	2016.2	2101.5	2195.5	2312.2	2338.3
12.5°	1839.5	1847.3	1855.1	1871.7	1915.2	1984.9	2086.7	2202.5	2347.9	2374.0
15°	1902.2	1911.7	1905.6	1901.3	1923.9	1987.5	2093.7	2227.7	2392.3	2429.7
17.5°	2046.7	2050.1	2036.2	1995.3	1991.8	2025.8	2126.8	2262.6	2448.0	2488.9
20°	2280.0	2273.9	2245.1	2164.2	2118.0	2111.1	2183.3	2314.8	2505.4	2549.0
22.5°	2596.8	2589.9	2532.4	2404.5	2301.7	2233.8	2265.2	2382.7	2569.9	2618.6
25°	2992.1	2982.5	2898.1	2723.9	2564.6	2396.6	2376.6	2472.4	2649.1	2694.3
27.5°	3453.5	3445.6	3354.2	3124.4	2894.6	2619.5	2515.0	2577.7	2731.8	2783.1
30°	3949.7	3972.3	3810.4	3563.2	3272.4	2910.2	2701.3	2707.4	2838.9	2885.0
32.5°	4532.9	4572.1	4377.1	4063.7	3666.8	3226.3	2936.4	2888.5	2994.7	3033.0
35°	5111.0	5155.4	4993.5	4647.0	4190.0	3598.9	3181.9	3096.5	3201.9	3243.7
37.5°	5610.7	5669.9	5586.3	5285.1	4749.7	4048.1	3502.2	3341.2	3457.0	3509.2
40°	6005.0	6095.6	6089.5	5901.5	5409.6	4593.0	3908.8	3643.2	3773.8	3830.4
42.5°	6325.4	6403.8	6471.7	6462.1	6098.2	5212.0	4386.7	4035.9	4135.1	4200.4
45°	6546.5	6630.1	6776.4	6933.9	6760.7	5874.5	4934.3	4501.6	4592.1	4690.5
47.5°	6744.1	6839.0	7028.8	7278.7	7323.1	6539.6	5534.1	5044.0	5126.7	5228.5
50°	6761.6	6843.4	7137.6	7491.9	7722.6	7178.5	6178.3	5652.5	5730.0	5838.8
52.5°	6341.1	6469.9	6983.5	7485.9	7906.3	7713.1	6818.1	6285.4	6372.4	6503.0
55°	4922.1	5111.0	6531.7	7252.5	7841.0	8058.7	7426.7	6958.3	7069.7	7206.4
57.5°	4239.6	4322.3	5185.0	6827.7	7543.3	8148.3	7940.3	7638.2	7817.5	7967.3
60°	3810.4	3879.2	4389.3	6167.0	7151.6	8006.4	8337.2	8272.0	8581.9	8760.3
62.5°	3350.7	3416.0	3880.0	5149.3	6650.1	7770.5	8588.0	8857.0	9365.4	9560.4
65°	2894.6	2950.3	3395.1	4326.6	6012.9	7534.6	8717.7	9362.8	10090.5	10292.5
67.5°	2386.2	2432.3	2852.8	3650.2	5238.1	7211.6	8782.1	9760.6	10721.7	10894.9
70°	1721.9	1757.6	2192.0	2886.7	4265.7	6656.2	8756.0	10042.7	11049.0	11187.4
72.5°	814.0	846.2	1356.3	1874.3	3013.0	5575.0	8227.6	9818.9	10716.5	10647.7
75°	434.4	462.3	779.1	1028.1	1591.4	3821.7	6732.8	8458.3	8998.9	8664.6
77.5°	294.2	316.0	482.3	617.2	726.9	1814.2	4327.5	5856.2	5634.2	5082.3
80°	233.3	255.9	395.2	417.9	351.7	655.5	1788.1	2710.9	1947.4	1557.4
82.5°	179.3	204.6	332.5	303.0	191.5	269.0	520.6	857.5	498.8	379.6
85°	109.7	136.7	261.2	193.3	107.9	122.7	176.7	238.5	152.3	127.1
87.5°	55.7	78.3	132.3	70.5	48.8	28.7	47.0	47.0	40.0	34.8
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°
2371.4	0°	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4	2371.4
2359.2	2.5°	2380.1	2397.5	2427.1	2454.9	2476.7	2497.6	2518.5	2529.8	2533.3	2547.2
2372.2	5°	2407.9	2440.1	2497.6	2551.6	2585.5	2606.4	2621.2	2629.9	2631.7	2636.0
2407.9	7.5°	2459.3	2510.7	2590.8	2644.7	2670.0	2668.2	2662.1	2640.4	2631.7	2623.8
2460.2	10°	2531.6	2599.5	2697.8	2735.3	2719.6	2677.8	2623.8	2560.3	2530.7	2502.0
2531.6	12.5°	2621.2	2707.4	2804.0	2802.3	2724.8	2617.7	2492.4	2394.9	2333.1	2288.7
2619.5	15°	2730.0	2829.3	2903.3	2844.1	2674.3	2481.9	2298.2	2171.1	2115.4	2066.7
2708.3	17.5°	2842.3	2948.6	2982.5	2831.0	2547.2	2280.8	2072.8	1972.7	1917.8	1891.7
2804.0	20°	2952.0	3057.4	3029.5	2756.2	2354.0	2052.8	1867.3	1812.5	1801.2	1807.3
2897.2	22.5°	3067.8	3161.8	3039.1	2611.6	2107.6	1819.4	1717.6	1719.3	1744.6	1762.9
2994.7	25°	3186.2	3249.8	3013.8	2402.7	1843.0	1647.9	1622.7	1650.6	1700.2	1735.9
3104.4	27.5°	3300.3	3328.1	2959.0	2144.2	1615.7	1525.2	1529.6	1587.0	1661.9	1711.5
3237.6	30°	3429.1	3397.8	2853.7	1853.4	1458.2	1419.9	1456.4	1523.5	1598.3	1642.7
3405.6	32.5°	3574.5	3457.8	2686.5	1584.4	1346.7	1335.4	1395.5	1439.0	1472.1	1485.2
3628.4	35°	3755.5	3542.3	2472.4	1395.5	1246.6	1273.6	1331.1	1309.3	1296.2	1289.3
3927.9	37.5°	3990.6	3656.3	2221.6	1272.7	1165.7	1229.2	1252.7	1184.8	1133.5	1108.2
4290.9	40°	4273.5	3823.5	1980.5	1177.9	1114.3	1190.9	1150.0	1068.2	1002.9	967.2
4699.2	42.5°	4587.8	3998.4	1777.7	1106.5	1085.6	1159.6	1074.3	976.8	871.4	860.1
5185.9	45°	4917.7	4178.6	1639.2	1051.6	1071.6	1132.6	1030.7	873.2	798.3	844.4
5674.2	47.5°	5247.7	4344.0	1555.7	1010.7	1064.7	1102.1	992.4	815.7	762.6	829.6
6197.4	50°	5615.0	4492.0	1518.2	981.1	1056.8	1089.9	935.0	800.9	725.2	769.6
6738.9	52.5°	5979.8	4606.9	1490.4	951.5	1045.5	1080.4	907.1	783.5	679.9	682.5
7283.9	55°	6343.7	4681.8	1459.9	912.3	1020.3	1059.5	904.5	764.3	645.9	633.8
7860.2	57.5°	6732.0	4724.5	1422.5	868.8	976.8	1006.4	901.9	749.5	635.5	615.5
8449.6	60°	7127.2	4787.2	1373.7	815.7	918.4	942.8	895.8	744.3	629.4	595.5
9005.0	62.5°	7481.5	4808.9	1315.4	765.2	843.6	880.1	882.7	740.0	612.9	554.5
9466.4	65°	7713.9	4714.9	1213.5	707.8	762.6	815.7	857.5	725.2	583.3	524.9
9694.4	67.5°	7704.4	4446.8	1054.2	633.8	684.3	744.3	820.9	699.9	547.6	488.4
9522.1	70°	7345.7	3917.5	852.3	547.6	598.1	667.7	773.9	662.5	504.9	448.3
8467.0	72.5°	6300.2	3066.1	619.0	446.6	498.0	588.5	713.0	617.2	461.4	412.6
6257.5	75°	4500.7	1940.5	419.6	343.0	387.4	498.8	637.2	564.1	421.3	414.4
3134.0	77.5°	2299.1	927.1	277.7	250.7	269.9	393.5	535.4	504.0	427.4	342.1
891.4	80°	747.8	342.1	175.0	170.6	179.3	262.0	414.4	413.5	323.8	232.4
215.9	82.5°	238.5	147.1	114.0	109.7	105.3	164.5	289.0	327.3	218.5	147.1
77.5	85°	94.9	87.9	67.0	61.8	44.4	77.5	151.5	217.6	162.8	106.2
20.0	87.5°	34.8	34.8	18.3	13.1	9.6	26.1	40.9	65.3	93.1	54.8
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>
2371.4
2555.1
2643.0
2625.6
2493.3
2278.2
2061.5
1899.5
1804.6
1767.2
1745.5
1723.7
1653.2
1492.1
1296.2
1114.3
969.8
871.4
868.8
861.0
802.6
700.8
642.5
618.1
598.1
554.5
524.9
491.0
453.6
410.0
390.9
304.7
205.4
146.3
108.8
54.0
0.0

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