

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: P948036

Luminaire Tested: **GALN-SB3A-950-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948036  
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-SB3A-950-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

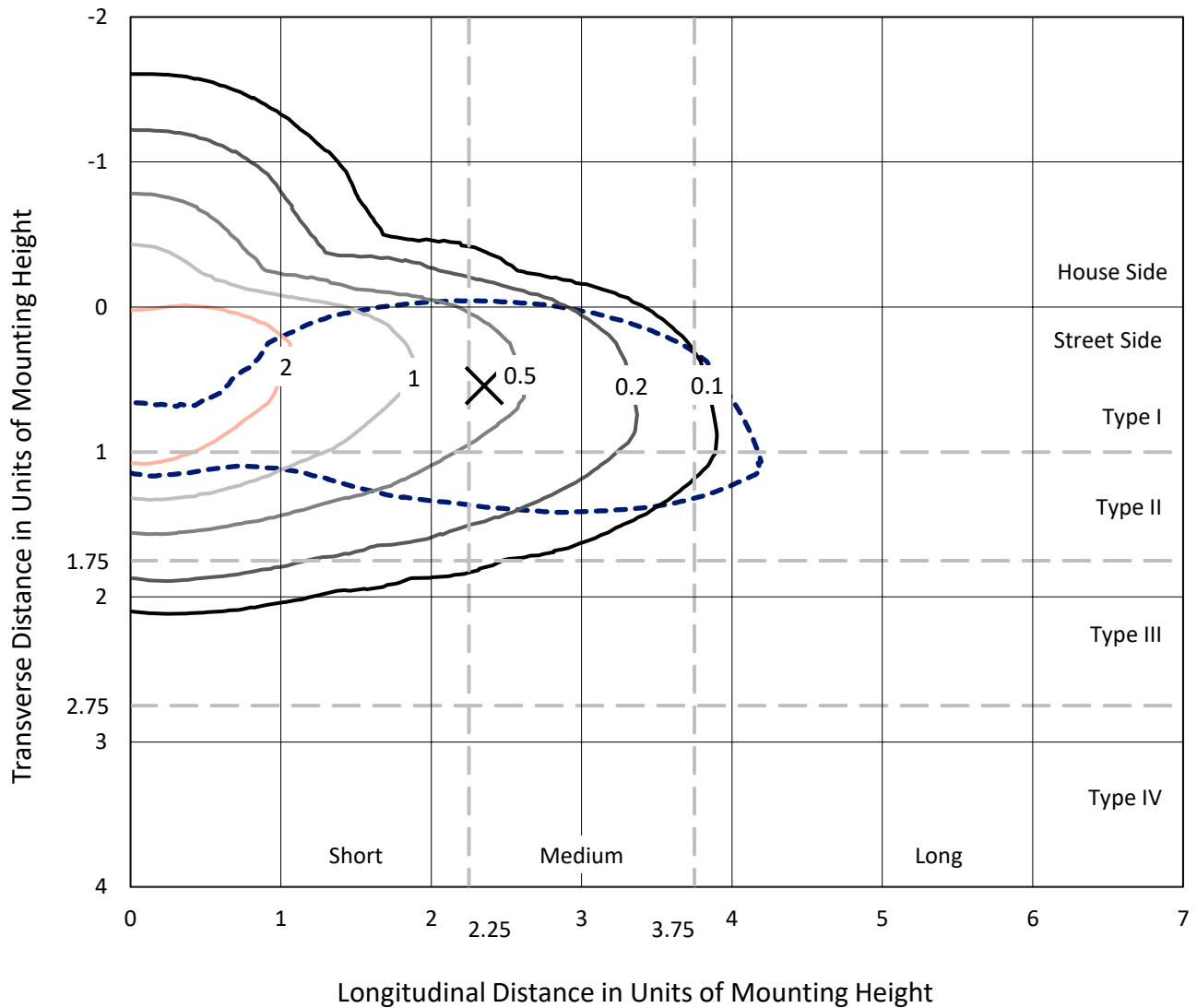
Lumens per Lamp: N/A  
Luminaire Lumens: 9536 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

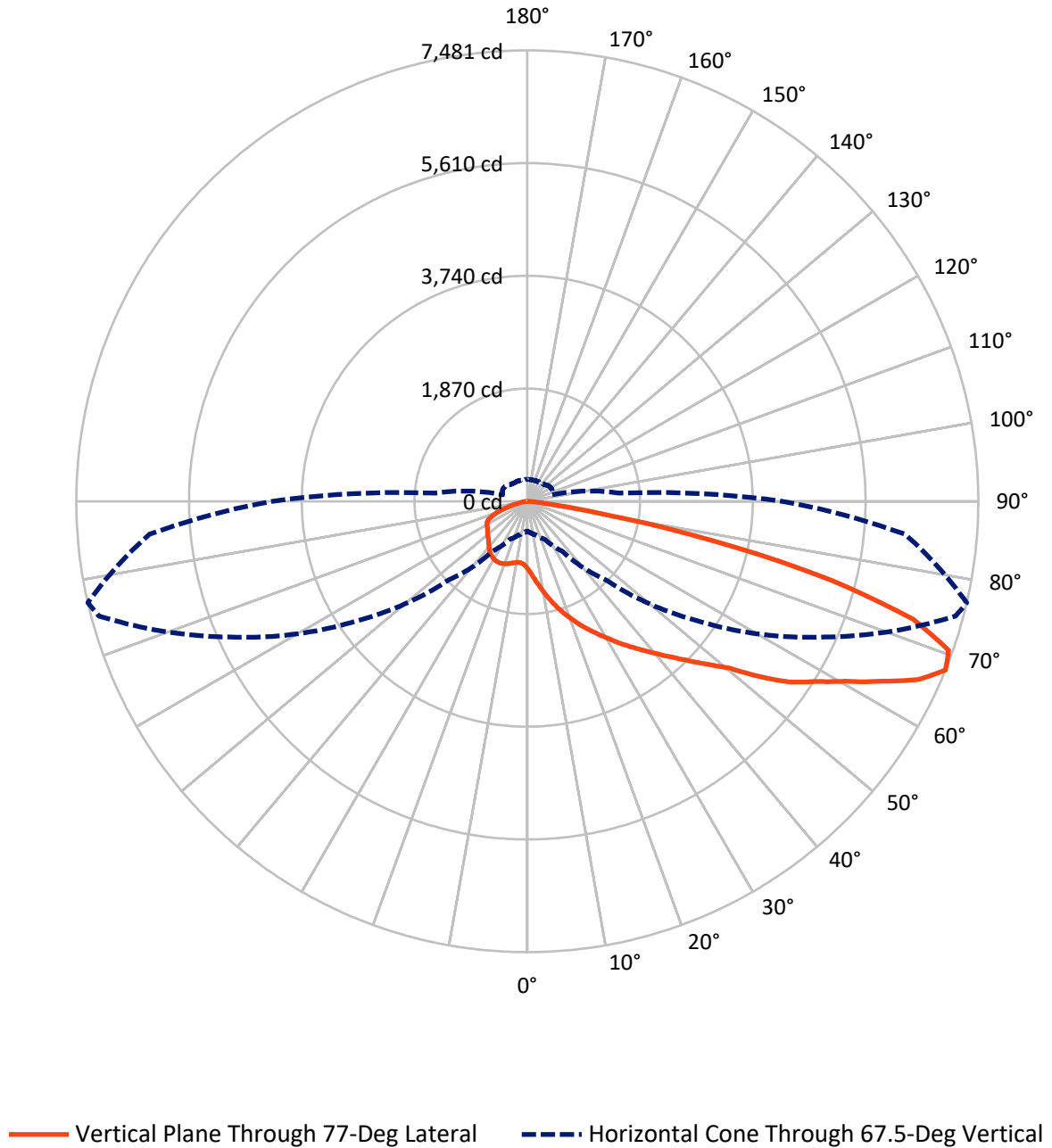
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	1803.8	0.0	1803.8
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	7732.2	0.0	7732.2
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	9536.0	0.0	9536.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	1.3
10°-20°	430.9	4.5
20°-30°	813.5	8.5
30°-40°	1310.5	13.7
40°-50°	1792.6	18.8
50°-60°	2022.0	21.2
60°-70°	1887.3	19.8
70°-80°	1034.6	10.8
80°-90°	124.8	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°	9536.0	100.0
0°-180°	9536.0	100.0

**Coefficient of Utilization**



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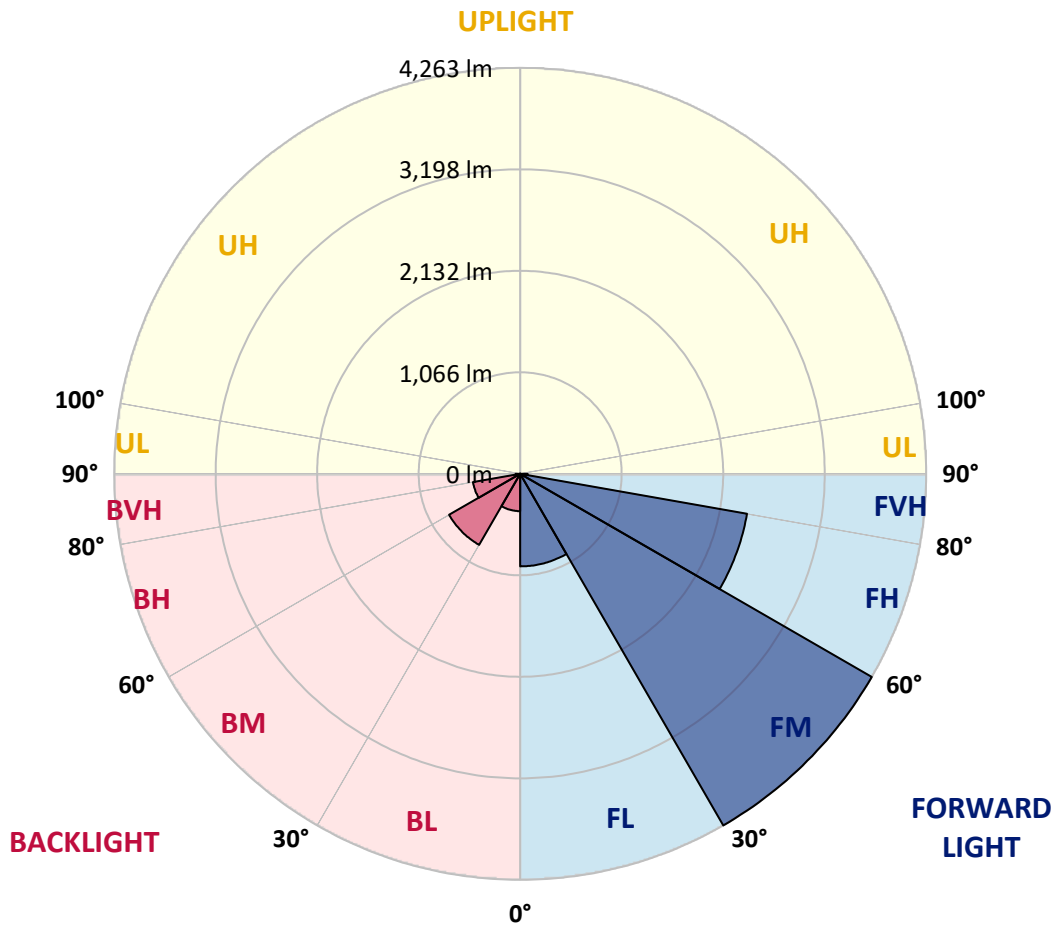
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	972.1	10.2			
FM (30°-60°)	4263.4	44.7			
FH (60°-80°)	2418.6	25.4			G2/5000
FVH (80°-90°)	78.0	0.8			G1/100
BL (0°-30°)	392.2	4.1	B1/500		
BM (30°-60°)	861.6	9.0	B1/1000		
BH (60°-80°)	503.2	5.3	B2/1000		G2/1000
BVH (80°-90°)	46.7	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°	77°
0°	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9
2.5°	1400.9	1410.8	1398.5	1398.5	1357.1	1335.5	1294.1	1262.6	1206.0	1196.2
5°	1655.9	1668.2	1651.0	1643.6	1594.9	1550.1	1480.7	1412.2	1311.3	1301.0
7.5°	1853.3	1869.0	1853.8	1845.9	1802.6	1752.4	1671.2	1575.7	1433.4	1413.2
10°	2014.3	2016.7	2011.8	2014.8	1980.8	1939.4	1856.2	1745.0	1567.3	1539.7
12.5°	2105.3	2116.6	2126.5	2144.2	2138.3	2112.7	2037.9	1905.0	1709.1	1673.6
15°	2148.1	2167.8	2190.0	2230.8	2263.8	2270.2	2213.1	2076.8	1853.3	1810.5
17.5°	2163.4	2182.1	2217.1	2276.1	2347.0	2394.8	2369.2	2243.6	1996.0	1946.8
20°	2240.7	2246.1	2267.3	2323.4	2400.2	2479.4	2498.6	2404.1	2137.3	2081.7
22.5°	2406.1	2395.3	2401.2	2426.8	2481.9	2558.7	2602.5	2545.9	2282.5	2218.5
25°	2679.3	2647.8	2616.3	2586.7	2614.8	2658.1	2707.8	2687.6	2434.6	2353.4
27.5°	3024.3	2985.9	2916.5	2819.6	2785.6	2800.9	2823.0	2819.1	2575.4	2493.2
30°	3364.0	3319.2	3236.5	3096.2	3006.6	2966.3	2949.5	2938.2	2728.5	2640.9
32.5°	3635.2	3599.8	3518.6	3361.5	3231.6	3162.7	3107.0	3066.7	2888.5	2800.9
35°	3872.5	3839.5	3746.5	3575.2	3433.9	3360.5	3287.7	3201.6	3054.9	2966.3
37.5°	4089.1	4056.1	3928.6	3750.4	3608.1	3557.4	3492.5	3346.3	3221.7	3138.1
40°	4225.9	4218.5	4099.4	3897.6	3749.9	3724.8	3703.1	3514.1	3406.8	3329.0
42.5°	4260.9	4277.1	4182.6	4016.7	3875.9	3855.7	3906.4	3704.1	3614.5	3540.2
45°	4176.7	4223.4	4161.4	4048.7	3965.5	3954.7	4086.6	3911.9	3844.4	3776.5
47.5°	3963.5	4042.8	4017.2	4001.4	3989.6	4036.4	4245.1	4132.4	4104.8	4045.7
50°	3533.3	3683.5	3728.3	3827.7	3941.9	4099.9	4389.3	4373.1	4409.0	4349.5
52.5°	2789.5	2996.3	3256.2	3505.3	3795.2	4078.7	4547.8	4718.6	4870.3	4837.8
55°	2302.7	2395.7	2595.6	3052.4	3510.7	3989.6	4619.2	4997.7	5328.0	5299.0
57.5°	1928.6	2011.8	2134.9	2516.3	3080.5	3787.3	4663.5	5168.1	5641.6	5638.6
60°	1527.4	1615.5	1741.6	2011.8	2577.9	3437.8	4653.7	5362.0	6041.8	6066.4
62.5°	1074.6	1171.5	1311.3	1563.4	2064.5	2985.0	4452.8	5502.3	6512.9	6579.8
65°	706.4	770.4	875.7	1093.3	1538.3	2402.6	4069.4	5520.5	7016.9	7130.1
67.5°	495.2	519.8	581.8	700.0	1014.0	1842.5	3458.5	5332.0	7353.1	7480.6
70°	386.4	398.7	430.2	477.5	637.0	1239.0	2650.2	4841.7	7281.3	7414.2
72.5°	333.7	345.6	357.4	363.3	427.3	764.9	1795.2	4048.2	6604.4	6694.5
75°	302.7	305.7	315.5	313.6	325.9	496.2	1036.2	2949.5	5210.9	5179.9
77.5°	254.5	258.4	274.7	272.2	289.4	339.2	538.0	1903.5	3378.3	3167.6
80°	215.6	217.6	235.3	232.3	251.5	245.6	274.7	970.2	1432.9	1213.9
82.5°	74.8	92.5	179.7	185.1	192.0	148.7	158.5	395.8	437.6	335.2
85°	36.4	38.9	91.6	130.0	129.5	74.8	77.3	141.3	137.8	108.3
87.5°	5.9	7.4	10.8	50.7	40.4	19.7	26.6	27.6	28.6	24.6
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°
1118.9	0°	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9	1118.9
1158.7	2.5°	1131.2	1106.6	1054.9	1007.1	969.7	933.8	913.6	896.4	886.5	884.6
1212.9	5°	1161.7	1111.0	1017.0	937.7	886.0	847.6	827.5	814.7	808.3	804.3
1285.7	7.5°	1205.5	1131.2	997.3	907.2	853.1	825.5	815.2	813.2	812.7	813.2
1373.9	10°	1266.0	1164.2	995.3	899.8	854.5	839.3	838.8	839.3	841.2	841.7
1469.8	12.5°	1331.5	1198.1	1003.2	906.2	873.2	864.9	863.4	862.9	864.4	865.4
1566.8	15°	1402.9	1242.9	1016.5	920.0	893.9	885.1	883.6	880.6	880.1	879.6
1668.7	17.5°	1476.2	1287.2	1031.2	934.8	907.2	894.9	889.5	882.6	877.2	875.7
1774.0	20°	1550.6	1331.0	1041.6	942.2	908.2	891.0	880.1	868.3	859.0	853.5
1880.4	22.5°	1629.8	1376.8	1048.0	940.2	899.3	875.7	856.0	842.2	828.0	818.6
1987.7	25°	1707.1	1416.7	1047.5	929.8	882.1	852.1	827.0	809.2	789.6	779.7
2098.4	27.5°	1781.4	1452.6	1035.2	911.6	857.5	824.0	794.0	772.8	753.6	744.3
2210.2	30°	1858.2	1482.6	1016.0	885.1	828.4	791.5	758.5	740.3	723.1	714.2
2328.3	32.5°	1934.5	1510.2	988.9	852.1	795.0	759.5	727.0	710.3	700.0	700.0
2455.3	35°	2015.2	1529.4	953.0	813.7	759.5	725.6	700.0	690.1	689.1	683.2
2589.7	37.5°	2100.4	1541.7	909.2	774.3	724.6	692.6	684.7	672.9	663.1	650.3
2737.4	40°	2190.0	1554.0	856.5	733.4	687.7	669.9	666.5	650.7	622.7	591.2
2904.7	42.5°	2298.8	1562.4	801.9	692.6	648.8	642.9	647.8	620.7	575.9	552.3
3106.5	45°	2424.8	1576.2	751.7	652.2	608.9	608.9	629.6	594.1	557.2	542.5
3336.9	47.5°	2588.2	1608.2	704.9	607.9	572.0	581.8	589.2	562.1	541.5	523.3
3617.5	50°	2824.5	1684.9	656.7	563.1	543.9	563.6	553.3	537.5	513.4	498.6
4063.5	52.5°	3117.9	1730.2	613.8	522.8	519.8	539.5	524.7	510.0	491.8	472.1
4401.6	55°	3317.7	1738.6	577.9	493.2	503.6	501.6	496.2	482.9	473.0	447.0
4735.4	57.5°	3541.2	1755.3	548.4	475.5	493.2	471.6	469.6	458.3	445.5	427.8
5142.5	60°	3808.5	1781.4	522.8	468.6	484.4	451.9	442.0	437.6	424.8	415.9
5632.2	62.5°	4099.9	1805.1	496.7	469.6	474.0	432.7	417.9	416.4	408.6	405.6
6092.0	65°	4298.8	1740.6	464.2	468.6	457.8	413.0	394.3	393.8	387.4	386.4
6291.4	67.5°	4229.4	1536.3	420.4	454.8	441.1	393.3	372.6	370.7	362.3	362.8
6083.1	70°	3881.8	1244.9	359.8	420.9	420.4	375.6	350.0	343.6	332.3	334.2
5289.2	72.5°	3230.1	922.5	278.6	364.3	387.4	359.3	323.9	313.6	299.3	301.3
3904.5	75°	2332.7	627.1	202.8	277.1	337.2	340.1	298.3	280.6	263.4	266.3
2173.3	77.5°	1193.7	355.4	149.1	191.0	264.8	309.1	275.2	251.5	247.6	275.2
626.6	80°	389.4	178.2	103.4	133.9	173.8	253.0	241.2	214.1	213.1	219.5
131.4	82.5°	116.2	75.3	66.5	88.1	96.0	193.9	208.2	161.9	139.3	146.7
43.8	85°	39.9	36.4	37.9	43.8	45.8	113.7	145.7	107.3	101.4	111.7
9.8	87.5°	9.4	12.8	10.8	9.8	9.8	27.6	56.6	44.8	62.0	41.3
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>
1118.9
884.6
803.8
814.7
842.2
865.9
879.1
877.2
855.5
819.1
779.7
743.8
713.8
700.5
681.8
648.3
586.8
552.8
544.9
522.8
497.2
468.1
447.4
421.9
418.4
405.6
385.9
362.8
336.2
300.8
267.3
271.2
188.5
151.6
110.3
39.9
0.0

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