

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: P940459

Luminaire Tested: **GALN-SB3C-740-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940459  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-740-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

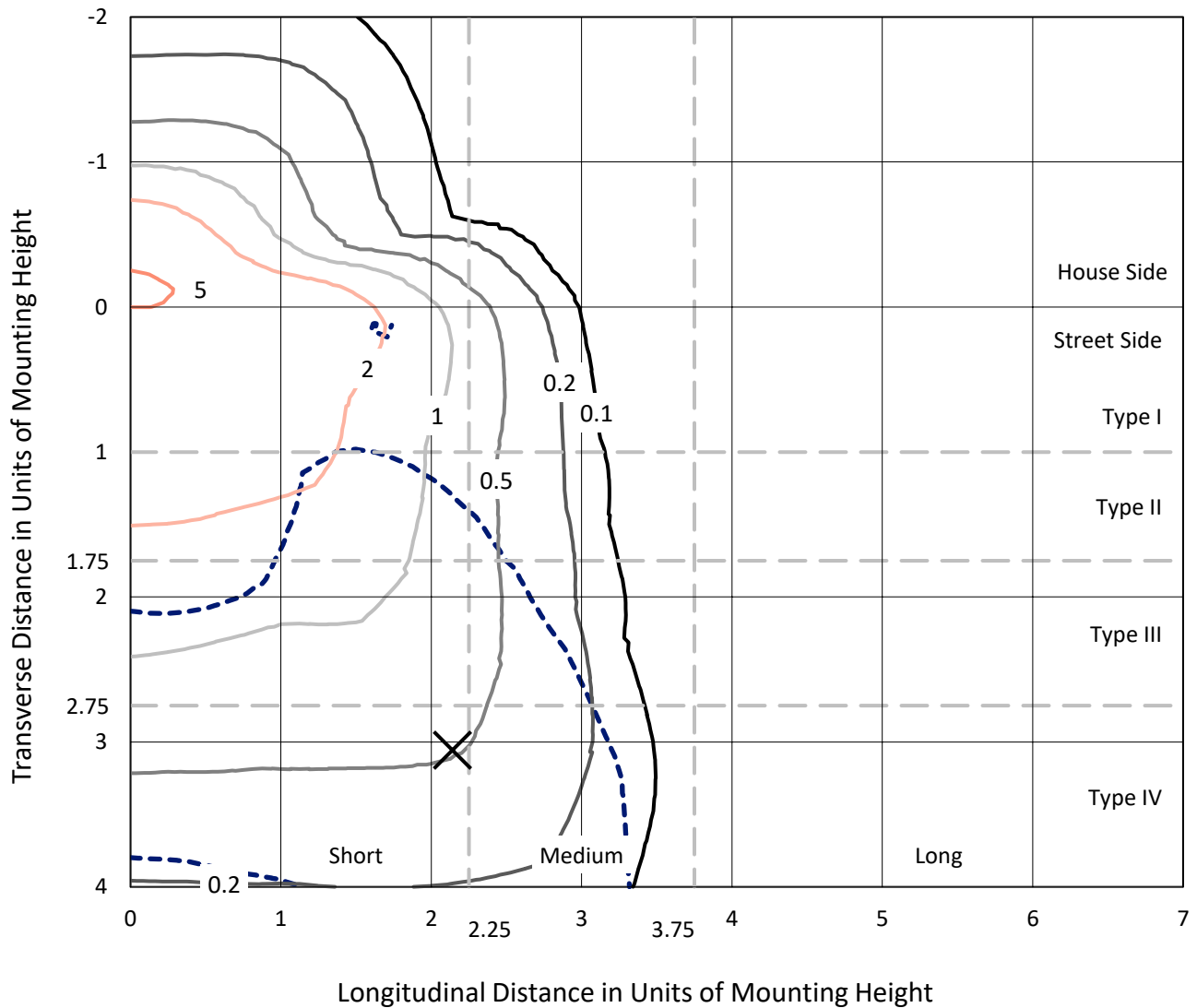
Lumens per Lamp: N/A  
Luminaire Lumens: 23496 lumens  
Efficiency: N/A  
Efficacy: 157.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

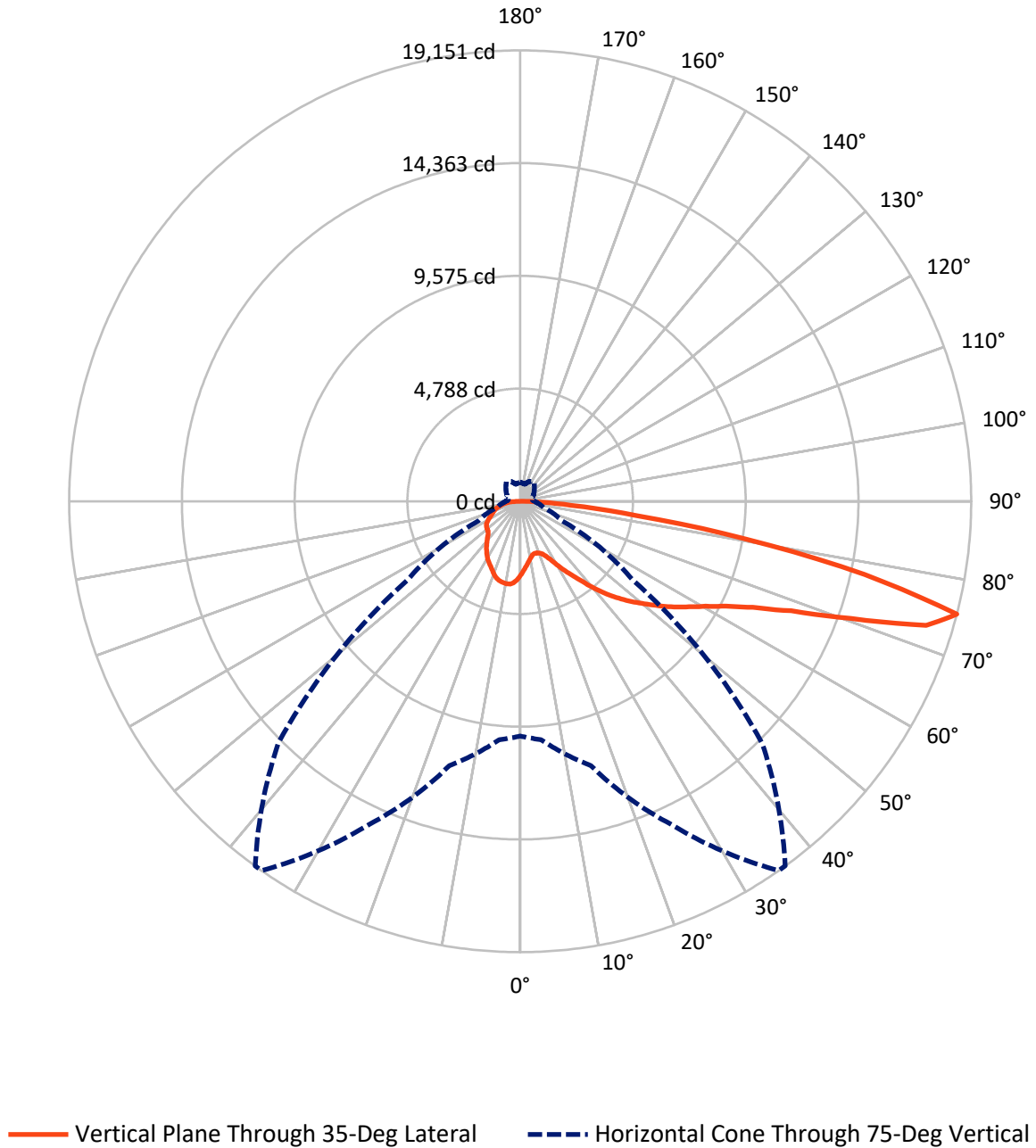
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5591.5	0.0	5591.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	17904.5	0.0	17904.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	23496.0	0.0	23496.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.4	1.3
10°-20°	855.1	3.6
20°-30°	1435.9	6.1
30°-40°	2231.6	9.5
40°-50°	3312.2	14.1
50°-60°	4572.7	19.5
60°-70°	5547.8	23.6
70°-80°	4584.8	19.5
80°-90°	659.4	2.8
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°	23496.0	100.0
0°-180°	23496.0	100.0

**Coefficient of Utilization**



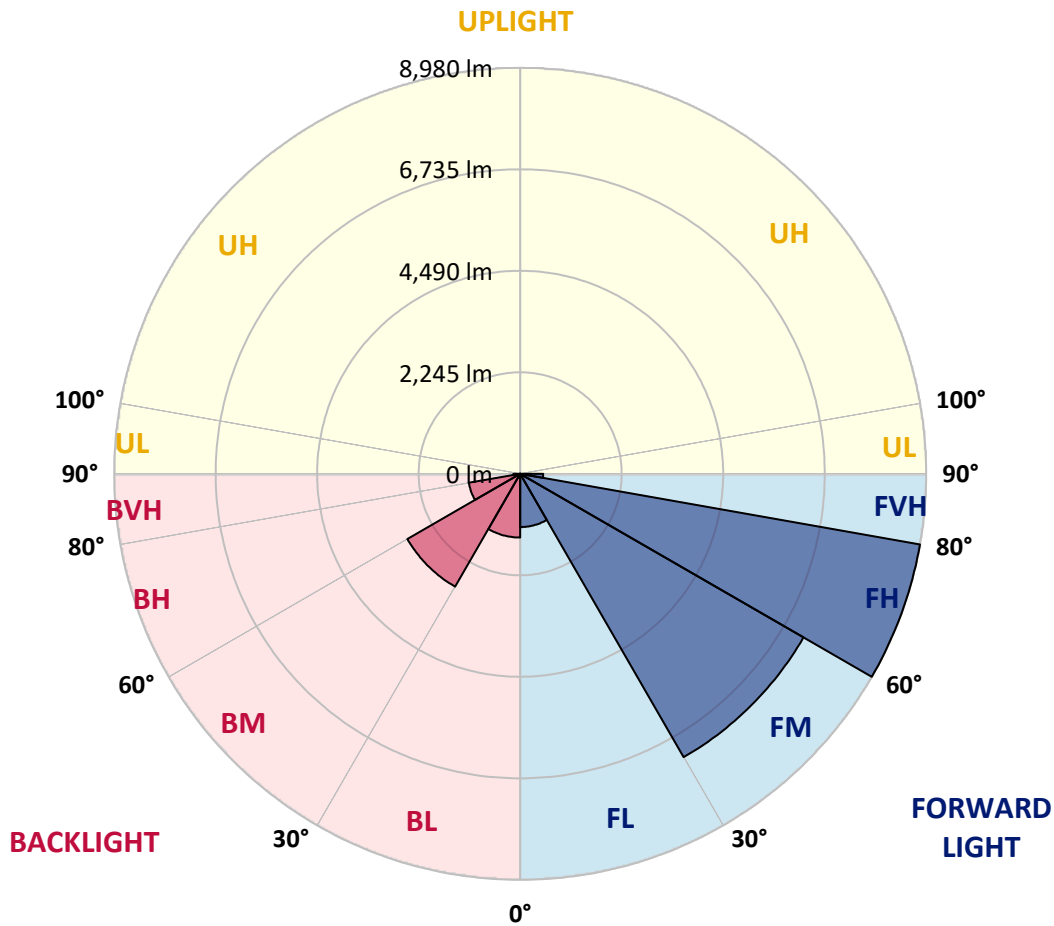
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1178.3	5.0			
FM (30°-60°)	7235.5	30.8			
FH (60°-80°)	8979.8	38.2			G4/12000
FVH (80°-90°)	510.9	2.2			G4/750
BL (0°-30°)	1409.1	6.0	B3/2500		
BM (30°-60°)	2881.1	12.3	B3/5000		
BH (60°-80°)	1152.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	148.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0
2.5°	2887.1	2904.9	2912.5	2908.7	2927.8	2925.2	2951.9	2984.9	3030.7	3075.1
5°	2664.8	2683.9	2700.4	2715.7	2752.5	2763.9	2805.8	2869.3	2953.2	3038.3
7.5°	2457.8	2474.3	2499.7	2527.7	2589.9	2601.3	2671.2	2770.3	2887.1	3011.6
10°	2288.9	2305.4	2332.1	2363.8	2441.3	2455.3	2544.2	2676.3	2828.7	2986.2
12.5°	2216.5	2221.5	2236.8	2268.5	2335.9	2344.8	2442.6	2593.7	2771.5	2967.1
15°	2212.7	2222.8	2224.1	2240.6	2296.5	2300.3	2390.5	2540.4	2736.0	2963.3
17.5°	2250.8	2258.4	2247.0	2257.1	2304.1	2310.5	2381.6	2515.0	2724.5	2979.8
20°	2352.4	2358.7	2324.4	2310.5	2344.8	2349.8	2419.7	2531.5	2736.0	3014.1
22.5°	2568.3	2572.1	2488.3	2431.1	2433.7	2436.2	2497.2	2598.8	2780.4	3076.4
25°	2904.9	2902.4	2769.0	2658.5	2595.0	2581.0	2621.7	2708.0	2855.4	3158.9
27.5°	3298.7	3279.6	3146.2	2981.1	2842.7	2822.3	2813.5	2850.3	2962.1	3268.2
30°	3743.2	3725.4	3581.9	3366.0	3174.2	3141.2	3057.3	3038.3	3120.8	3416.8
32.5°	4231.0	4219.5	4048.1	3786.4	3529.8	3491.7	3350.7	3299.9	3364.7	3641.6
35°	4640.0	4629.8	4487.6	4218.3	3904.5	3857.5	3714.0	3656.9	3689.9	3929.9
37.5°	5009.6	5004.5	4882.6	4670.5	4346.6	4289.4	4128.1	4109.0	4102.7	4309.7
40°	5352.6	5339.8	5212.8	5101.1	4861.0	4808.9	4666.7	4650.1	4601.9	4777.2
42.5°	5732.3	5699.3	5515.1	5463.1	5398.3	5355.1	5270.0	5272.5	5165.8	5304.3
45°	6042.3	6023.2	5834.0	5803.5	5873.3	5855.5	5929.2	5948.3	5741.2	5856.8
47.5°	6375.0	6357.3	6197.2	6175.6	6364.9	6370.0	6630.4	6636.7	6302.6	6430.9
50°	6785.3	6759.9	6601.1	6627.8	6839.9	6859.0	7335.3	7292.1	6819.6	7014.0
52.5°	7055.9	7071.1	7036.8	7080.0	7369.6	7387.4	8028.8	7918.3	7331.5	7589.3
55°	7255.3	7285.8	7392.5	7491.5	7928.5	7946.3	8683.0	8514.0	7755.7	8122.8
57.5°	7511.9	7468.7	7668.1	7861.2	8459.4	8506.4	9319.3	9088.2	8131.7	8582.6
60°	7880.2	7849.7	8004.7	8290.5	9053.9	9128.8	9992.5	9605.1	8407.3	8947.2
62.5°	8627.1	8550.9	8575.0	8827.8	9803.3	9902.3	10752.1	10056.0	8544.5	9089.4
65°	9743.6	9612.7	9490.8	9666.1	10858.8	10956.6	11609.5	10410.4	8493.7	8813.8
67.5°	11149.7	11020.1	10870.2	11035.3	12413.5	12491.0	12667.5	10609.8	8093.6	7751.9
70°	12309.3	12261.1	12440.2	13119.7	14896.7	14899.2	14024.1	10444.7	6997.4	5496.1
72.5°	12155.7	12126.4	13070.2	15171.1	18026.4	17959.1	15308.2	9194.9	4713.6	2479.4
75°	9972.2	10161.5	11623.4	15134.2	19150.5	19141.7	14522.0	5845.4	1949.7	1027.6
77.5°	5347.5	5647.2	7546.2	11173.8	14950.1	15174.9	10209.7	2045.0	837.1	658.0
80°	1744.0	2005.6	3007.8	5689.1	9714.4	9672.4	4375.8	802.8	572.9	466.2
82.5°	740.5	771.0	1343.9	2686.4	4985.5	4908.0	1393.4	461.1	402.6	318.8
85°	289.6	323.9	593.2	1242.2	2159.3	2112.3	503.0	228.6	257.8	208.3
87.5°	95.3	115.6	212.1	425.5	671.9	647.8	123.2	78.8	111.8	95.3
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°
3131.0	0°	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0	3131.0
3139.9	2.5°	3157.7	3178.0	3202.1	3237.7	3268.2	3293.6	3320.3	3336.8	3343.1	3362.2
3145.0	5°	3180.5	3225.0	3284.7	3343.1	3400.3	3434.6	3465.1	3480.3	3494.3	3504.4
3158.9	7.5°	3218.6	3275.8	3369.8	3446.0	3494.3	3522.2	3542.5	3537.5	3542.5	3545.1
3174.2	10°	3251.7	3331.7	3443.5	3515.9	3552.7	3554.0	3548.9	3531.1	3522.2	3523.5
3197.1	12.5°	3291.0	3380.0	3500.6	3561.6	3571.8	3543.8	3522.2	3491.7	3480.3	3475.2
3231.3	15°	3344.4	3446.0	3562.9	3585.7	3560.3	3524.8	3487.9	3438.4	3413.0	3392.7
3289.8	17.5°	3409.2	3520.9	3611.1	3594.6	3540.0	3481.6	3421.9	3346.9	3294.9	3273.3
3369.8	20°	3499.4	3599.7	3648.0	3575.6	3493.0	3404.1	3302.5	3211.0	3162.8	3141.2
3471.4	22.5°	3608.6	3705.1	3683.5	3542.5	3425.7	3283.4	3156.4	3089.1	3065.0	3049.7
3602.2	25°	3739.4	3822.0	3708.9	3494.3	3315.2	3123.4	3025.6	3004.0	2992.6	2981.1
3762.3	27.5°	3909.6	3954.1	3728.0	3423.1	3142.4	2953.2	2917.6	2921.4	2917.6	2898.6
3984.6	30°	4134.4	4125.6	3745.8	3307.6	2944.3	2799.5	2802.0	2818.5	2821.1	2808.4
4294.5	32.5°	4430.4	4340.2	3754.7	3157.7	2755.0	2664.8	2667.4	2685.2	2697.9	2676.3
4699.7	35°	4788.6	4590.4	3740.7	2969.7	2609.0	2536.6	2517.5	2522.6	2526.4	2506.1
5191.2	37.5°	5206.5	4871.2	3678.4	2761.4	2488.3	2410.8	2370.2	2335.9	2315.5	2296.5
5747.6	40°	5665.0	5177.3	3564.1	2558.1	2353.6	2277.4	2216.5	2151.7	2083.1	2057.7
6336.9	42.5°	6145.1	5492.3	3425.7	2363.8	2198.7	2136.4	2071.7	1977.7	1874.8	1822.7
6949.2	45°	6643.1	5814.9	3289.8	2172.0	2039.9	2013.2	1938.3	1825.3	1713.5	1647.4
7562.7	47.5°	7130.8	6119.7	3090.4	1978.9	1891.3	1920.5	1862.1	1757.9	1633.5	1529.3
8171.1	50°	7597.0	6405.5	2763.9	1783.3	1770.6	1892.6	1836.7	1686.8	1544.5	1411.2
8768.1	52.5°	8059.3	6636.7	2346.0	1605.5	1705.9	1885.0	1803.7	1638.5	1464.5	1324.8
9329.5	55°	8451.8	6756.1	1943.4	1453.1	1611.9	1820.2	1764.3	1581.4	1351.5	1202.9
9714.4	57.5°	8675.3	6659.6	1608.1	1303.2	1482.3	1713.5	1697.0	1459.4	1216.8	1102.5
9789.3	60°	8578.8	6268.4	1333.7	1172.4	1359.1	1597.9	1580.1	1338.8	1114.0	1006.0
9387.9	62.5°	8046.6	5522.8	1116.5	1058.1	1247.3	1479.8	1463.3	1246.0	1035.2	931.0
8322.2	65°	6974.6	4492.6	947.6	962.8	1134.3	1337.5	1361.6	1168.6	973.0	871.3
6438.6	67.5°	5319.5	3254.2	815.5	880.2	1023.8	1197.8	1267.6	1112.7	920.9	824.3
3725.4	70°	3031.9	1848.1	703.7	800.2	926.0	1068.2	1195.2	1068.2	865.0	785.0
1395.9	72.5°	1149.5	848.5	608.4	720.2	832.0	959.0	1115.2	998.4	800.2	740.5
721.5	75°	613.5	517.0	511.9	626.2	724.0	852.3	1014.9	929.8	751.9	782.4
499.2	77.5°	417.9	365.8	428.1	536.0	605.9	734.2	908.2	825.6	651.6	649.1
345.5	80°	289.6	259.1	348.0	431.9	468.7	617.3	792.6	708.8	530.9	495.4
213.4	82.5°	174.0	168.9	260.4	322.6	331.5	476.3	656.7	594.4	434.4	378.5
127.0	85°	95.3	100.3	166.4	189.3	193.1	332.8	514.4	459.8	334.1	280.7
45.7	87.5°	26.7	34.3	61.0	74.9	92.7	172.7	306.1	273.1	167.7	116.9
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>
3131.0
3360.9
3507.0
3548.9
3526.0
3472.7
3399.0
3274.5
3138.6
3052.2
2981.1
2902.4
2814.7
2686.4
2520.0
2309.2
2069.1
1829.1
1642.3
1517.9
1399.7
1309.6
1190.2
1087.3
990.7
914.5
854.8
809.1
774.8
730.4
<i>807.8</i>
598.3
473.8
381.1
283.3
116.9
0.0

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