

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: P942432

Luminaire Tested: **GALN-SB6B-940-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-940-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

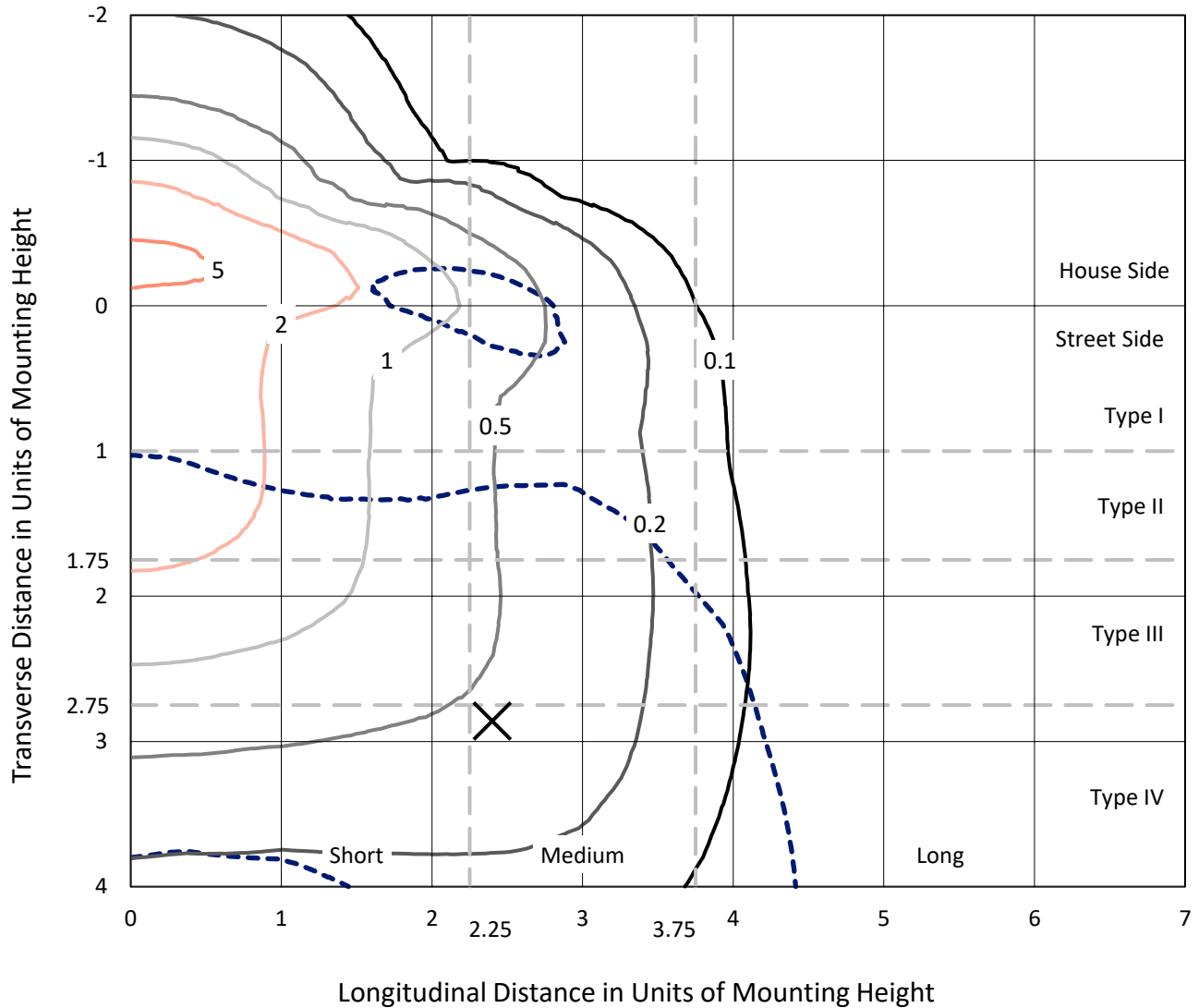
Lumens per Lamp: N/A  
Luminaire Lumens: 24528 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

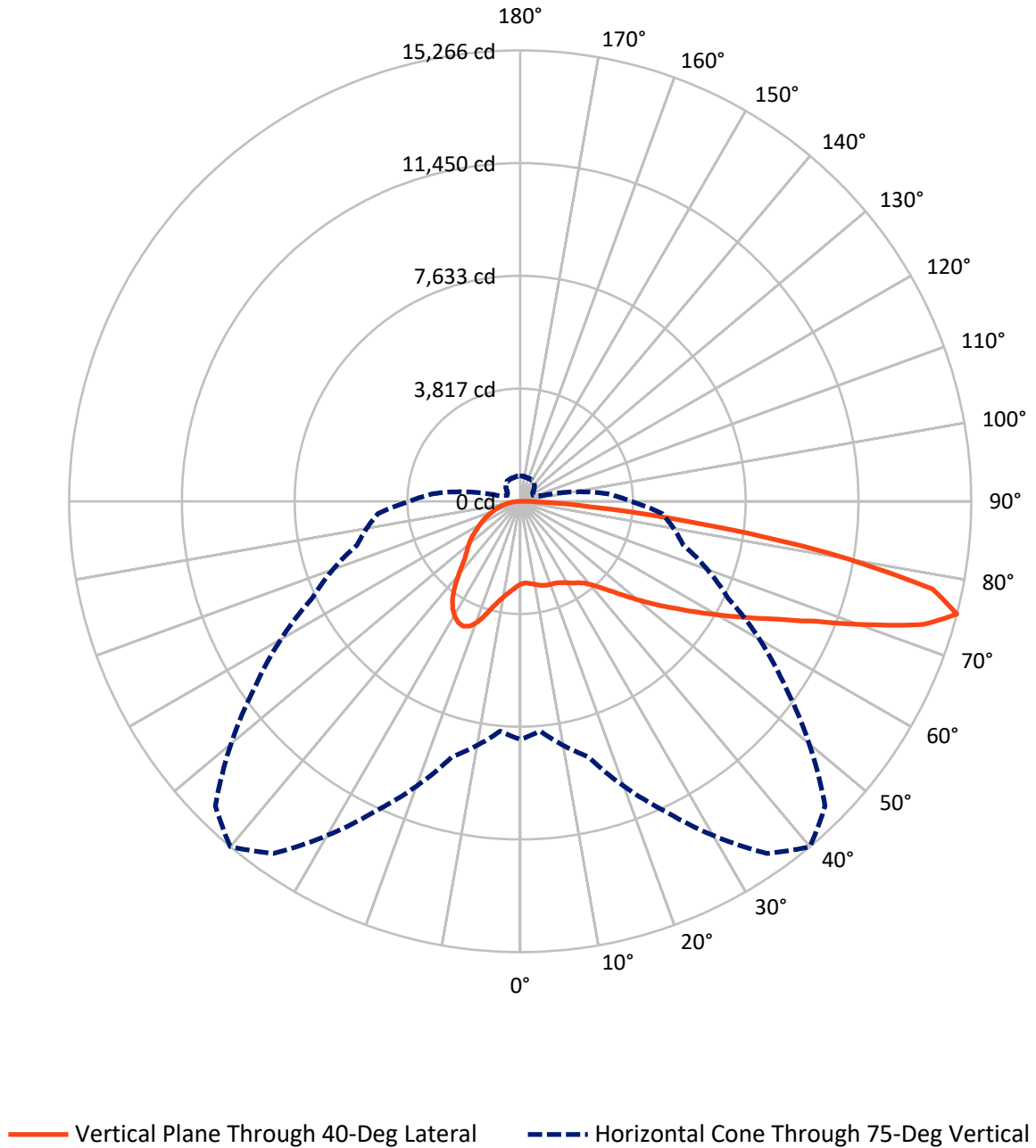
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - 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	7599.6	0.0	7599.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	16928.4	0.0	16928.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	24528.0	0.0	24528.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.0	1.1
10°-20°	940.0	3.8
20°-30°	1716.4	7.0
30°-40°	2434.3	9.9
40°-50°	3287.0	13.4
50°-60°	4421.9	18.0
60°-70°	5612.4	22.9
70°-80°	5093.6	20.8
80°-90°	742.5	3.0
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°	24528.0	100.0
0°-180°	24528.0	100.0

**Coefficient of Utilization**



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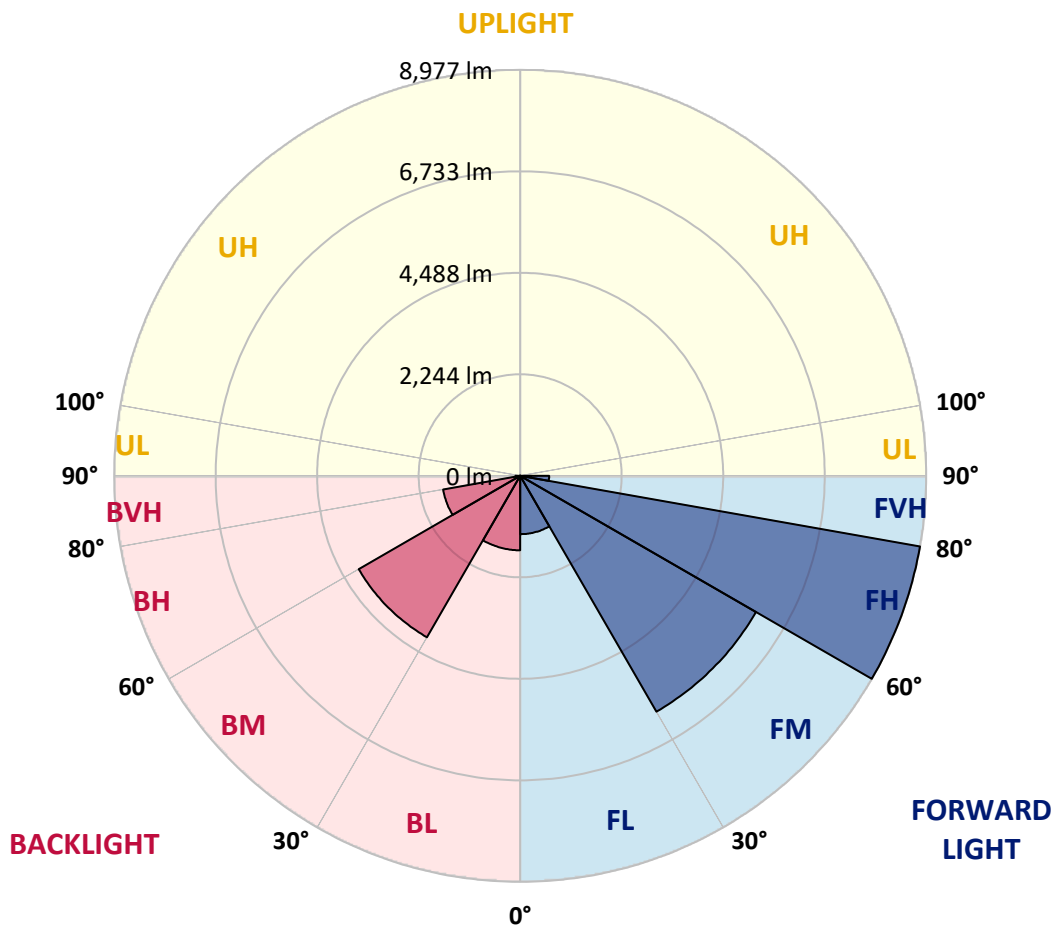
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1290.2	5.3			
FM (30°-60°)	6021.1	24.5			
FH (60°-80°)	8976.9	36.6			G4/12000
FVH (80°-90°)	640.3	2.6			G4/750
BL (0°-30°)	1646.1	6.7	B3/2500		
BM (30°-60°)	4122.1	16.8	B3/5000		
BH (60°-80°)	1729.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	102.2	0.4			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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8
2.5°	2761.9	2777.5	2773.6	2768.4	2768.4	2769.7	2768.4	2777.5	2786.6	2795.7
5°	2790.5	2806.1	2798.3	2791.8	2786.6	2785.3	2781.4	2780.1	2785.3	2797.0
7.5°	2846.4	2862.1	2850.3	2838.6	2828.2	2823.0	2817.8	2810.0	2806.1	2812.6
10°	2908.9	2924.5	2910.2	2889.4	2872.5	2866.0	2860.7	2852.9	2847.7	2851.6
12.5°	2971.3	2986.9	2967.4	2938.8	2916.7	2912.8	2906.3	2903.7	2902.4	2901.1
15°	3029.9	3042.9	3018.2	2984.3	2960.9	2954.4	2947.9	2951.8	2958.3	2966.1
17.5°	3075.4	3088.4	3052.0	3007.8	2985.6	2983.0	2979.1	2992.1	3010.4	3029.9
20°	3117.0	3130.0	3083.2	3023.4	2997.3	2997.3	2998.6	3026.0	3052.0	3080.6
22.5°	3175.6	3186.0	3128.7	3046.8	3009.1	3011.7	3022.1	3049.4	3081.9	3120.9
25°	3262.7	3270.5	3200.3	3091.0	3048.1	3055.9	3065.0	3078.0	3109.2	3154.8
27.5°	3403.2	3409.7	3317.4	3169.1	3104.0	3117.0	3130.0	3120.9	3135.2	3174.3
30°	3601.0	3604.9	3487.8	3291.4	3199.0	3205.5	3208.1	3170.4	3143.1	3174.3
32.5°	3835.1	3833.8	3694.6	3439.7	3307.0	3300.5	3278.3	3204.2	3140.4	3167.8
35°	4198.1	4183.8	4004.3	3647.8	3429.3	3388.9	3336.9	3241.9	3153.5	3161.3
37.5°	4799.1	4754.9	4506.4	3988.7	3611.4	3508.6	3431.9	3303.1	3182.1	3158.7
40°	5476.9	5421.0	5147.8	4455.7	3884.6	3719.4	3595.8	3390.2	3228.9	3170.4
42.5°	6280.9	6201.5	5907.5	5006.0	4230.6	3991.3	3805.2	3500.8	3297.9	3208.1
45°	7268.3	7162.9	6746.6	5626.5	4666.4	4347.7	4099.2	3668.6	3403.2	3281.0
47.5°	8266.1	8292.1	7700.2	6336.8	5189.4	4787.4	4467.4	3921.0	3556.7	3398.0
50°	9326.4	9344.6	8648.6	7123.9	5782.6	5284.4	4881.1	4203.3	3770.1	3564.6
52.5°	10153.8	10156.4	9509.8	7947.4	6400.6	5830.8	5327.3	4525.9	4017.3	3785.7
55°	10671.5	10665.0	10113.4	8726.7	7110.9	6404.5	5821.7	4892.8	4319.1	4045.9
57.5°	11047.5	11028.0	10529.7	9396.6	7868.0	7082.3	6381.1	5309.1	4675.5	4355.5
60°	11190.6	11178.9	10812.0	9975.5	8664.2	7831.6	7026.3	5774.8	5080.1	4721.1
62.5°	11245.3	11267.4	11089.1	10536.2	9516.3	8661.6	7735.3	6331.6	5535.5	5134.8
65°	11437.8	11478.1	11441.7	11270.0	10479.0	9633.4	8675.9	6993.8	6032.4	5578.4
67.5°	11819.0	11859.3	11874.9	12148.1	11655.1	10844.6	9849.4	7818.6	6613.9	6038.9
70°	11809.9	11798.2	12074.0	12846.7	13127.7	12521.5	11431.3	8833.3	7307.3	6421.4
72.5°	10749.6	10655.9	11307.7	12838.9	14353.2	14272.5	13363.2	10142.1	7905.8	6468.2
75°	8064.5	7814.7	8966.0	11570.5	14557.4	15266.4	14591.3	10953.8	7764.0	5715.0
77.5°	3448.8	3197.7	4554.6	8565.3	13028.8	14271.2	13464.6	9556.6	6197.6	3779.2
80°	902.8	901.5	1376.4	3883.3	8860.6	10538.9	9245.7	6171.6	3541.1	1350.4
82.5°	373.4	364.3	506.1	1510.4	4329.5	5914.0	4826.5	2752.8	1278.8	365.6
85°	139.2	137.9	245.9	521.7	1527.3	2439.2	1765.4	703.8	318.7	178.2
87.5°	39.0	37.7	53.3	180.8	372.1	564.6	301.8	115.8	89.8	70.3
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°
2804.8	0°	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8	2804.8
2810.0	2.5°	2813.9	2820.4	2832.1	2841.2	2852.9	2866.0	2884.2	2895.9	2907.6	2915.4
2816.5	5°	2825.6	2839.9	2869.9	2899.8	2934.9	2967.4	3005.2	3032.5	3054.6	3061.1
2839.9	7.5°	2851.6	2875.1	2925.8	2976.5	3032.5	3085.8	3140.4	3187.3	3225.0	3239.3
2881.6	10°	2897.2	2928.4	2999.9	3071.5	3145.7	3227.6	3297.9	3365.5	3418.8	3441.0
2931.0	12.5°	2954.4	2993.4	3087.1	3186.0	3288.8	3401.9	3493.0	3576.3	3642.6	3672.5
2999.9	15°	3028.6	3079.3	3199.0	3331.7	3482.6	3640.0	3755.8	3848.2	3922.3	3958.7
3071.5	17.5°	3109.2	3176.9	3327.8	3528.1	3744.1	3950.9	4086.2	4153.9	4230.6	4265.8
3137.8	20°	3187.3	3270.5	3486.5	3777.9	4065.4	4285.3	4394.5	4412.8	4418.0	4421.9
3200.3	22.5°	3267.9	3379.8	3685.5	4092.7	4401.1	4553.3	4568.9	4490.8	4381.5	4330.8
3261.4	25°	3356.4	3504.7	3945.7	4440.1	4689.9	4708.1	4588.4	4398.5	4191.6	4096.6
3310.9	27.5°	3442.3	3649.1	4258.0	4771.8	4898.0	4738.0	4480.4	4211.1	3961.3	3861.2
3346.0	30°	3528.1	3814.3	4602.7	5061.9	4993.0	4663.8	4310.0	4009.5	3758.4	3653.0
3377.2	32.5°	3615.3	4006.9	4999.5	5271.4	4976.1	4506.4	4097.9	3783.1	3562.0	3451.4
3404.5	35°	3714.2	4243.6	5375.5	5385.9	4862.9	4274.9	3818.2	3512.5	3320.0	3231.5
3437.1	37.5°	3843.0	4544.2	5707.2	5414.5	4665.1	3935.3	3470.9	3192.5	3033.8	2993.4
3485.2	40°	4003.0	4905.8	5960.9	5368.9	4372.4	3522.9	3091.0	2868.6	2778.8	2787.9
3550.2	42.5°	4211.1	5310.4	6139.1	5251.9	3965.2	3097.5	2758.0	2659.1	2702.0	2738.5
3647.8	45°	4481.7	5730.6	6249.7	5052.8	3504.7	2737.2	2561.5	2585.0	2617.5	2621.4
3805.2	47.5°	4827.8	6156.0	6322.5	4752.3	3035.1	2483.5	2436.6	2441.8	2435.3	2408.0
4040.7	50°	5259.7	6569.7	6387.6	4354.2	2635.7	2324.8	2262.3	2244.1	2154.3	2065.9
4354.2	52.5°	5751.4	6949.6	6414.9	3859.9	2324.8	2192.1	2090.6	1976.1	1808.3	1781.0
4748.4	55°	6297.8	7300.8	6344.6	3252.3	2063.3	2021.6	1868.1	1730.2	1712.0	1688.6
5267.5	57.5°	6950.9	7679.4	6201.5	2574.5	1795.3	1822.6	1673.0	1688.6	1656.1	1619.7
5934.9	60°	7665.1	8071.0	5950.5	1956.6	1518.2	1574.1	1622.3	1621.0	1611.9	1581.9
6638.7	62.5°	8307.8	8328.6	5456.1	1498.7	1274.9	1381.6	1513.0	1511.7	1503.9	1487.0
7373.7	65°	8690.2	8289.5	4631.3	1179.9	1074.6	1222.9	1364.7	1375.1	1376.4	1375.1
7926.6	67.5°	8622.6	7832.9	3499.5	939.3	909.4	1061.6	1217.7	1232.0	1242.4	1245.0
7996.8	70°	7857.6	6829.9	2281.8	749.3	762.3	919.8	1078.5	1092.8	1101.9	1112.3
6939.2	72.5°	6124.8	5021.6	1306.1	606.2	633.6	797.5	940.6	957.5	962.7	982.2
4829.1	75°	3732.4	2953.1	705.1	477.4	520.4	681.7	804.0	823.5	832.6	856.0
2371.6	77.5°	1774.5	1278.8	402.0	372.1	418.9	556.8	679.1	701.2	676.5	689.5
654.4	80°	599.7	474.8	253.7	283.6	320.0	434.5	543.8	565.9	513.9	511.3
217.3	82.5°	209.5	192.5	161.3	188.6	206.8	310.9	411.1	439.7	382.5	381.2
97.6	85°	82.0	78.1	89.8	102.8	123.6	191.2	270.6	284.9	235.5	189.9
28.6	87.5°	16.9	18.2	22.1	23.4	37.7	66.3	97.6	119.7	95.0	80.7
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

<u>180°</u>
2804.8
2910.2
3063.7
3240.6
3442.3
3672.5
3956.1
4264.5
4432.3
4345.1
4110.9
3872.9
3664.7
3465.7
3251.0
3022.1
2819.1
2772.3
2647.4
2428.8
2077.6
1790.1
1692.5
1613.2
1571.5
1480.5
1375.1
1247.6
1117.5
990.0
<b>858.6</b>
679.1
506.1
363.0
187.3
74.2
0.0

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