

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: P952049

Luminaire Tested: **GALN-SB6A-735-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-735-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

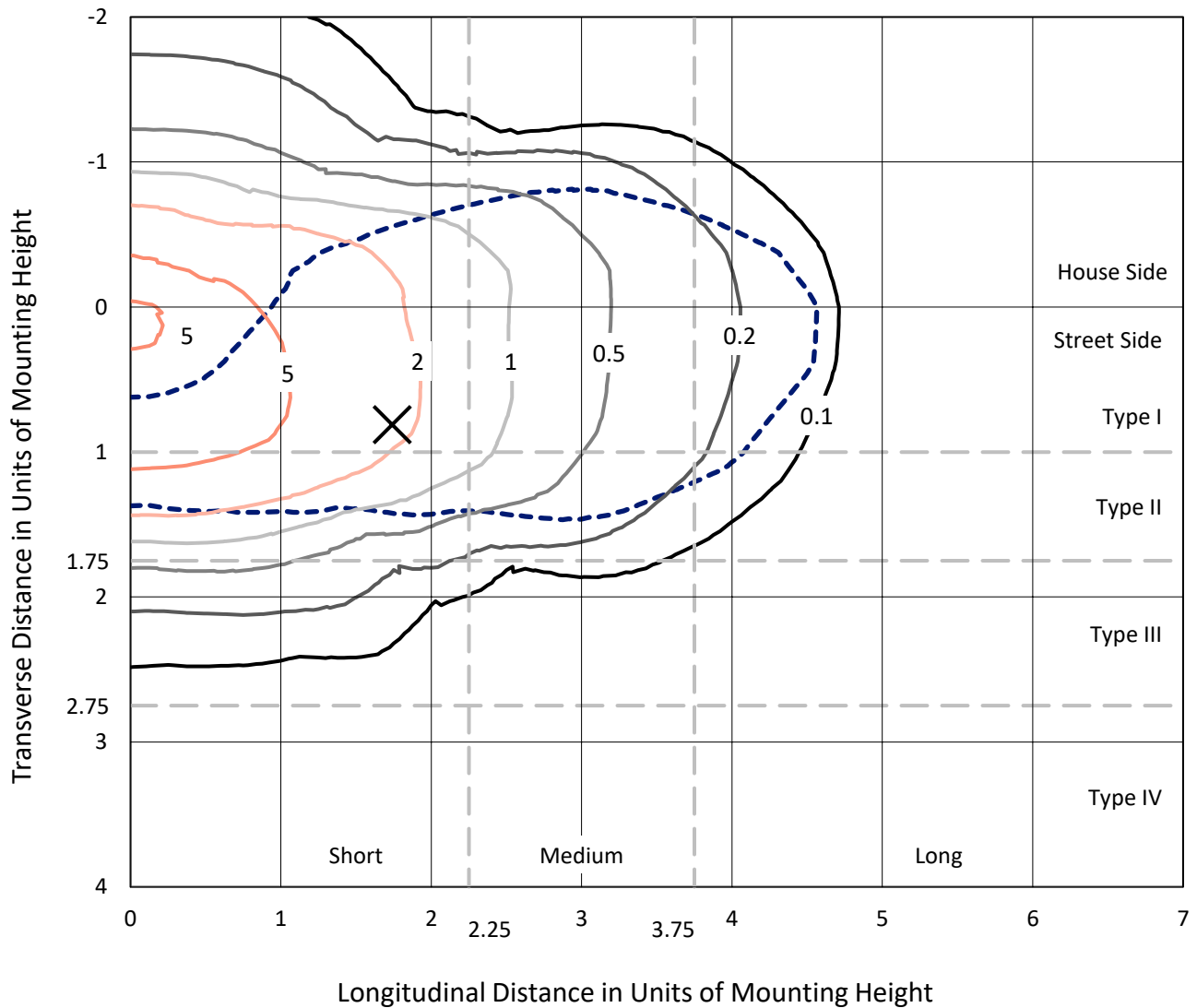
Lumens per Lamp: N/A  
Luminaire Lumens: 27566 lumens  
Efficiency: N/A  
Efficacy: 161.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

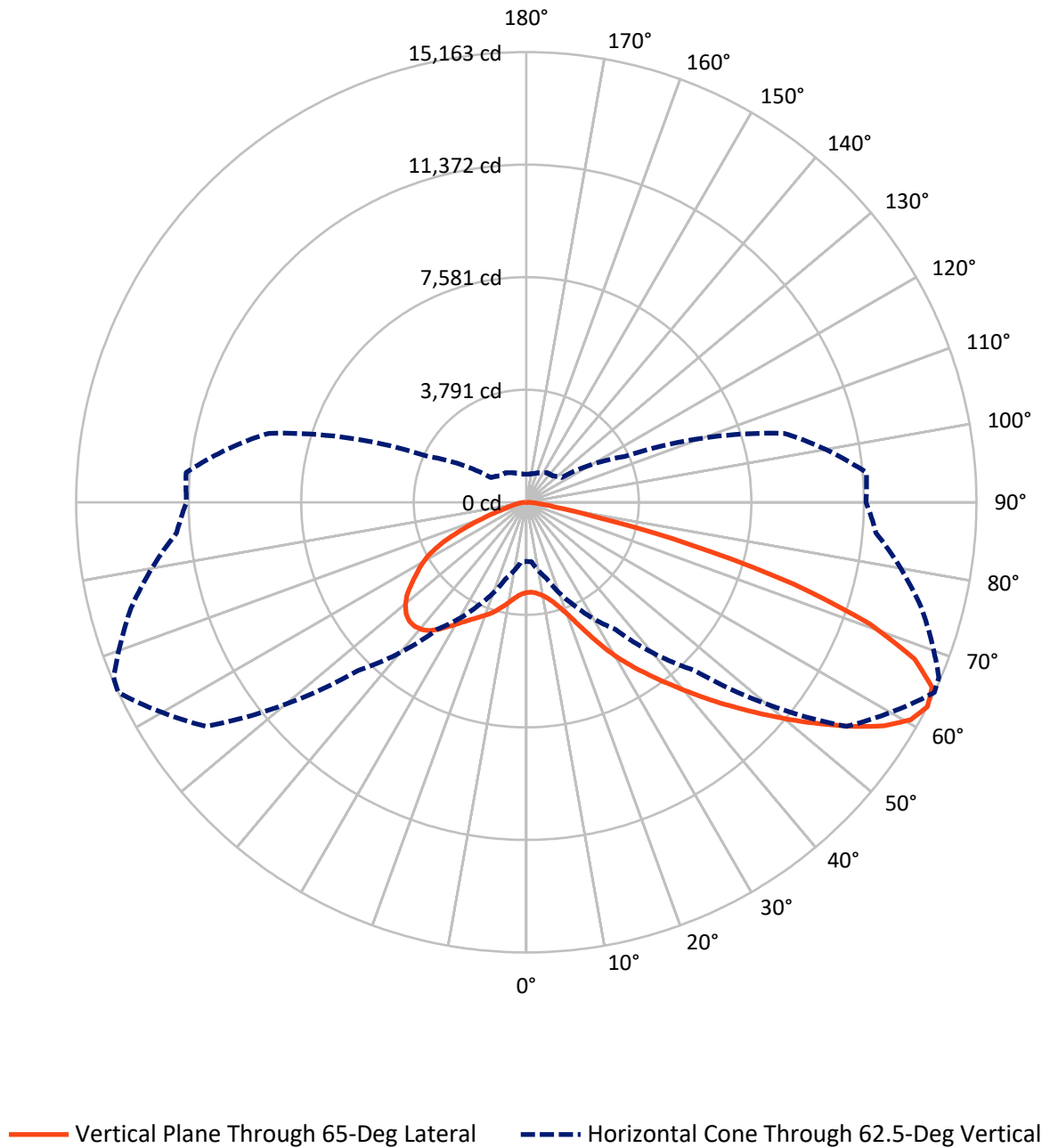
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - 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	8698.6	0.0	8698.6
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	18867.4	0.0	18867.4
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	27566.0	0.0	27566.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.9	1.1
10°-20°	1027.0	3.7
20°-30°	2082.3	7.6
30°-40°	3603.4	13.1
40°-50°	5453.1	19.8
50°-60°	6393.5	23.2
60°-70°	5360.1	19.4
70°-80°	2959.2	10.7
80°-90°	384.4	1.4
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°	27566.0	100.0
0°-180°	27566.0	100.0

**Coefficient of Utilization**

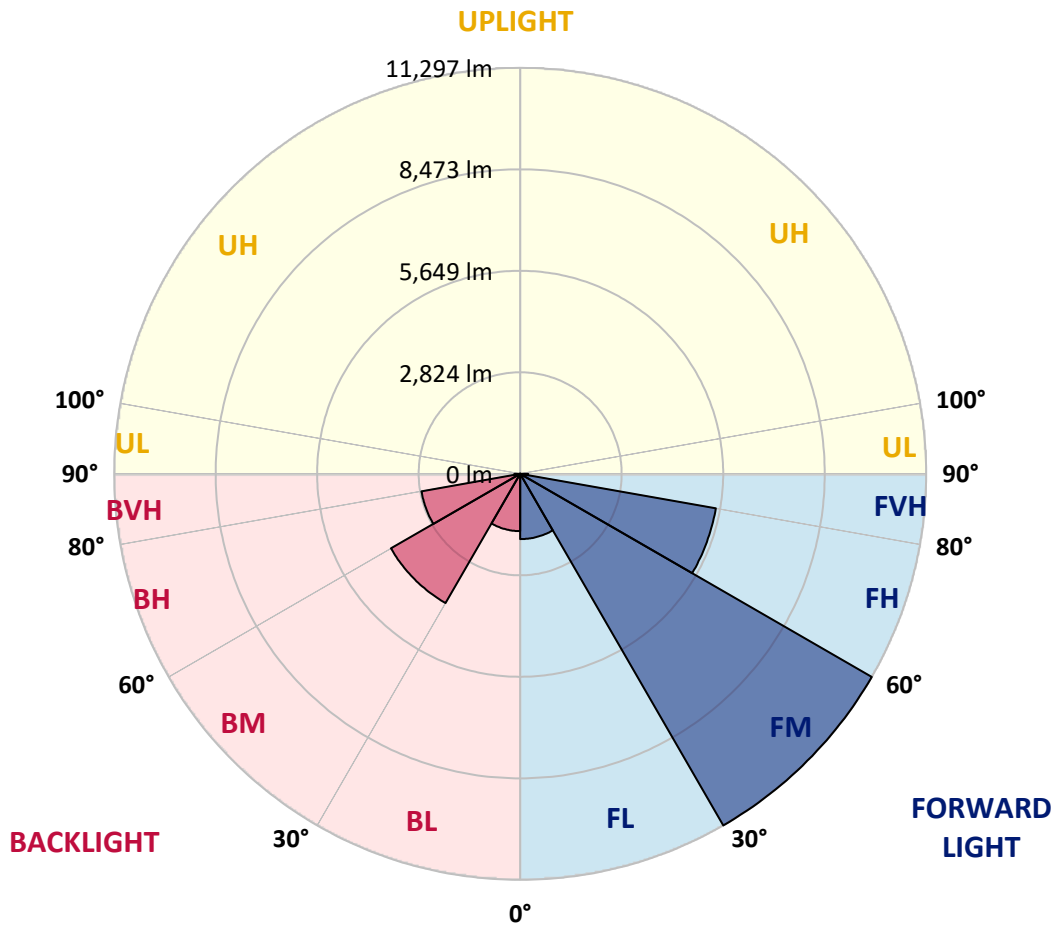


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1817.0	6.6			
FM (30°-60°)	11297.4	41.0			
FH (60°-80°)	5528.9	20.1			G3/7500
FVH (80°-90°)	224.0	0.8			G2/225
BL (0°-30°)	1595.2	5.8	B3/2500		
BM (30°-60°)	4152.6	15.1	B3/5000		
BH (60°-80°)	2790.4	10.1	B4/5000		G4/5000
BVH (80°-90°)	160.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7
2.5°	3017.6	3009.1	3016.2	3016.2	3019.1	3017.6	3027.6	3030.5	3034.8	3043.4
5°	2987.6	2986.2	2999.0	3010.5	3021.9	3031.9	3044.8	3063.4	3066.3	3076.3
7.5°	2977.6	2969.0	2989.0	3003.3	3030.5	3054.8	3089.1	3120.6	3133.5	3137.8
10°	3054.8	3040.5	3059.1	3067.7	3090.6	3114.9	3154.9	3205.0	3219.3	3236.4
12.5°	3186.4	3170.7	3197.8	3210.7	3232.2	3253.6	3280.8	3329.4	3336.6	3368.0
15°	3366.6	3348.0	3365.2	3380.9	3416.6	3436.7	3463.8	3511.0	3511.0	3535.3
17.5°	3611.1	3586.8	3599.7	3605.4	3628.3	3658.3	3704.1	3745.6	3767.0	3758.5
20°	3975.8	3945.8	3945.8	3917.2	3908.6	3932.9	3993.0	4050.2	4073.1	4028.8
22.5°	4523.6	4480.7	4456.4	4359.1	4320.5	4323.4	4383.4	4453.5	4472.1	4393.4
25°	5220.1	5152.9	5120.0	4976.9	4889.7	4813.9	4861.1	4951.2	4976.9	4879.7
27.5°	5916.6	5920.9	5889.4	5717.8	5573.3	5434.6	5410.3	5504.7	5531.8	5421.7
30°	6893.4	6791.8	6731.7	6525.8	6319.9	6125.4	6025.3	6063.9	6071.0	5939.4
32.5°	7735.7	7710.0	7581.3	7401.1	7136.5	6831.9	6664.5	6603.0	6591.6	6404.2
35°	8695.4	8681.1	8545.2	8330.7	8044.6	7621.3	7319.5	7143.6	7129.3	6866.2
37.5°	9670.7	9670.7	9537.7	9303.2	9007.1	8478.0	8018.9	7740.0	7694.2	7351.0
40°	10448.7	10401.5	10425.8	10327.2	9988.2	9426.2	8795.5	8390.7	8329.2	7917.3
42.5°	10890.6	10874.9	11020.8	11130.9	10992.2	10543.1	9650.7	9095.8	9010.0	8540.9
45°	10989.3	10972.2	11232.5	11635.8	11830.3	11645.8	10580.3	9838.1	9733.6	9193.0
47.5°	10761.9	10727.6	11109.5	11745.9	12369.4	12694.1	11587.1	10643.2	10491.6	9828.0
50°	10078.3	10045.4	10623.2	11468.4	12551.1	13406.3	12679.8	11497.0	11265.3	10508.8
52.5°	8592.4	8608.1	9513.4	10674.7	12312.2	13849.6	13620.8	12396.6	12117.7	11205.3
55°	6693.1	6727.5	7840.1	9118.7	11356.9	13782.4	14263.0	13323.3	13045.9	11860.3
57.5°	4792.5	4944.1	5986.6	7252.3	9522.0	12717.0	14403.1	14204.3	13935.5	12575.4
60°	3106.3	3133.5	4206.1	5481.8	7250.9	10823.4	14118.5	14872.2	14662.0	13304.8
62.5°	1990.8	2009.4	2663.0	3834.3	5218.6	8007.4	13160.3	15162.5	15098.2	13786.7
65°	1463.1	1448.7	1789.1	2534.2	3515.3	4938.3	11299.7	15022.4	15149.7	14088.5
67.5°	1221.4	1201.3	1368.7	1754.8	2590.0	2804.5	8360.7	14111.4	14577.6	14054.2
70°	1112.7	1095.5	1197.0	1302.9	2020.8	1877.8	4214.7	12267.9	12985.8	13663.7
72.5°	942.5	912.4	1051.2	1157.0	1571.7	1440.2	1741.9	9423.3	10298.6	12412.3
75°	730.8	710.8	829.5	1018.3	1181.3	1124.1	1101.2	5722.1	6677.4	9599.2
77.5°	579.2	552.0	660.7	793.7	1062.6	848.1	802.3	2464.2	3410.9	6128.2
80°	436.2	411.9	502.0	627.8	816.6	639.3	519.1	1005.4	1285.7	3104.9
82.5°	310.3	288.9	350.4	460.5	549.2	573.5	318.9	563.5	633.6	1197.0
85°	198.8	185.9	234.5	288.9	349.0	369.0	194.5	294.6	323.2	493.4
87.5°	108.7	88.7	125.9	134.4	161.6	147.3	93.0	107.3	115.8	178.8
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°
3037.7	0°	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7	3037.7
3043.4	2.5°	3049.1	3053.4	3067.7	3072.0	3082.0	3094.9	3103.4	3112.0	3112.0	3120.6
3089.1	5°	3090.6	3100.6	3130.6	3146.3	3172.1	3197.8	3213.6	3232.2	3243.6	3249.3
3162.1	7.5°	3170.7	3186.4	3229.3	3256.5	3300.8	3336.6	3360.9	3386.6	3392.3	3408.1
3263.6	10°	3279.4	3297.9	3346.6	3398.1	3451.0	3495.3	3518.2	3536.8	3543.9	3546.8
3393.8	12.5°	3403.8	3430.9	3493.9	3556.8	3612.6	3651.2	3656.9	3652.6	3632.6	3615.4
3553.9	15°	3556.8	3581.1	3651.2	3719.8	3774.2	3781.3	3745.6	3722.7	3698.4	3694.1
3732.7	17.5°	3739.9	3752.7	3817.1	3884.3	3888.6	3864.3	3811.4	3789.9	3767.0	3751.3
3965.8	20°	3953.0	3948.7	3994.4	4023.0	3993.0	3918.6	3838.5	3802.8	3779.9	3761.3
4251.9	22.5°	4207.5	4174.6	4168.9	4161.8	4081.7	3925.8	3817.1	3771.3	3735.6	3709.8
4650.9	25°	4577.9	4452.1	4364.8	4316.2	4136.0	3887.2	3748.4	3646.9	3579.7	3535.3
5138.6	27.5°	5041.3	4829.6	4609.4	4490.7	4136.0	3808.5	3582.5	3418.1	3308.0	3262.2
5610.5	30°	5483.2	5261.5	4936.9	4700.9	4126.0	3679.8	3315.1	3086.3	2957.6	2911.8
6013.8	32.5°	5860.8	5619.1	5284.4	4931.2	4101.7	3471.0	2983.3	2730.2	2605.7	2551.4
6412.8	35°	6211.2	5953.7	5633.4	5184.3	4037.3	3164.9	2618.6	2425.5	2286.8	2199.6
6819.0	37.5°	6570.1	6264.1	5963.8	5413.1	3921.5	2807.4	2338.3	2173.8	2010.8	1893.5
7250.9	40°	6960.6	6594.5	6317.0	5549.0	3731.3	2467.0	2120.9	1970.8	1797.7	1673.3
7748.6	42.5°	7416.8	6990.6	6710.3	5619.1	3471.0	2225.3	1979.3	1832.0	1669.0	1567.5
8282.0	45°	7893.0	7426.8	7069.3	5617.7	3180.7	2112.3	1933.6	1787.7	1607.5	1501.7
8829.8	47.5°	8392.2	7883.0	7379.6	5526.1	2929.0	2128.1	1907.8	1691.9	1493.1	1390.1
9383.3	50°	8892.7	8382.2	7679.9	5354.5	2821.7	2093.7	1812.0	1557.4	1322.9	1229.9
9902.4	52.5°	9389.0	8912.7	7938.8	5110.0	2713.0	1966.5	1689.0	1383.0	1252.8	1188.5
10438.7	55°	9888.1	9437.6	8220.5	4753.8	2441.3	1817.7	1483.1	1317.2	1197.0	1138.4
10963.6	57.5°	10388.7	10044.0	8488.0	4397.7	2099.5	1634.7	1370.1	1237.1	1141.3	1091.2
11402.6	60°	10909.2	10737.6	8764.0	4070.2	1762.0	1400.1	1287.1	1172.7	1075.5	1019.7
11824.5	62.5°	11445.5	11501.3	8980.0	3648.3	1451.6	1257.1	1212.8	1095.5	1001.1	948.2
12173.5	65°	11986.1	12237.9	9121.5	3063.4	1177.0	1121.2	1132.7	1011.1	915.3	869.5
12429.5	67.5°	12393.7	12768.4	9081.5	2318.3	965.4	992.5	1032.6	922.5	832.4	796.6
12388.0	70°	12439.5	12705.5	8686.8	1587.5	808.0	866.7	921.0	835.2	742.3	716.5
11804.5	72.5°	11830.3	11847.4	7587.0	1036.9	683.6	760.8	803.7	746.5	656.4	630.7
10327.2	75°	10232.8	9798.0	5570.5	683.6	572.1	653.6	693.6	653.6	566.3	572.1
7727.1	77.5°	7752.9	6939.1	3382.3	486.3	477.7	549.2	603.5	574.9	500.6	562.1
3885.7	80°	3994.4	3754.2	1508.8	363.3	377.6	439.1	496.3	459.1	396.2	377.6
868.1	82.5°	915.3	1064.0	594.9	260.3	273.2	316.1	379.0	344.7	284.6	240.3
361.8	85°	320.4	350.4	263.1	163.0	160.2	197.4	257.4	230.3	193.1	154.5
153.0	87.5°	101.5	133.0	98.7	65.8	68.6	88.7	118.7	108.7	90.1	58.6
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>
3037.7
3120.6
3252.2
3402.3
3539.6
3615.4
3694.1
3752.7
3762.7
3718.4
3552.5
3285.1
2939.0
2578.6
2228.2
1925.0
1697.6
1587.5
1518.8
1404.4
1235.7
1188.5
1132.7
1082.6
1015.4
946.8
868.1
798.0
717.9
629.3
552.0
494.8
344.7
237.4
163.0
61.5
0.0

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