

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: P942152

Luminaire Tested: **GALN-SB6A-740-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942152
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-SB6A-740-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28527 lumens
Efficiency: N/A
Efficacy: 166.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

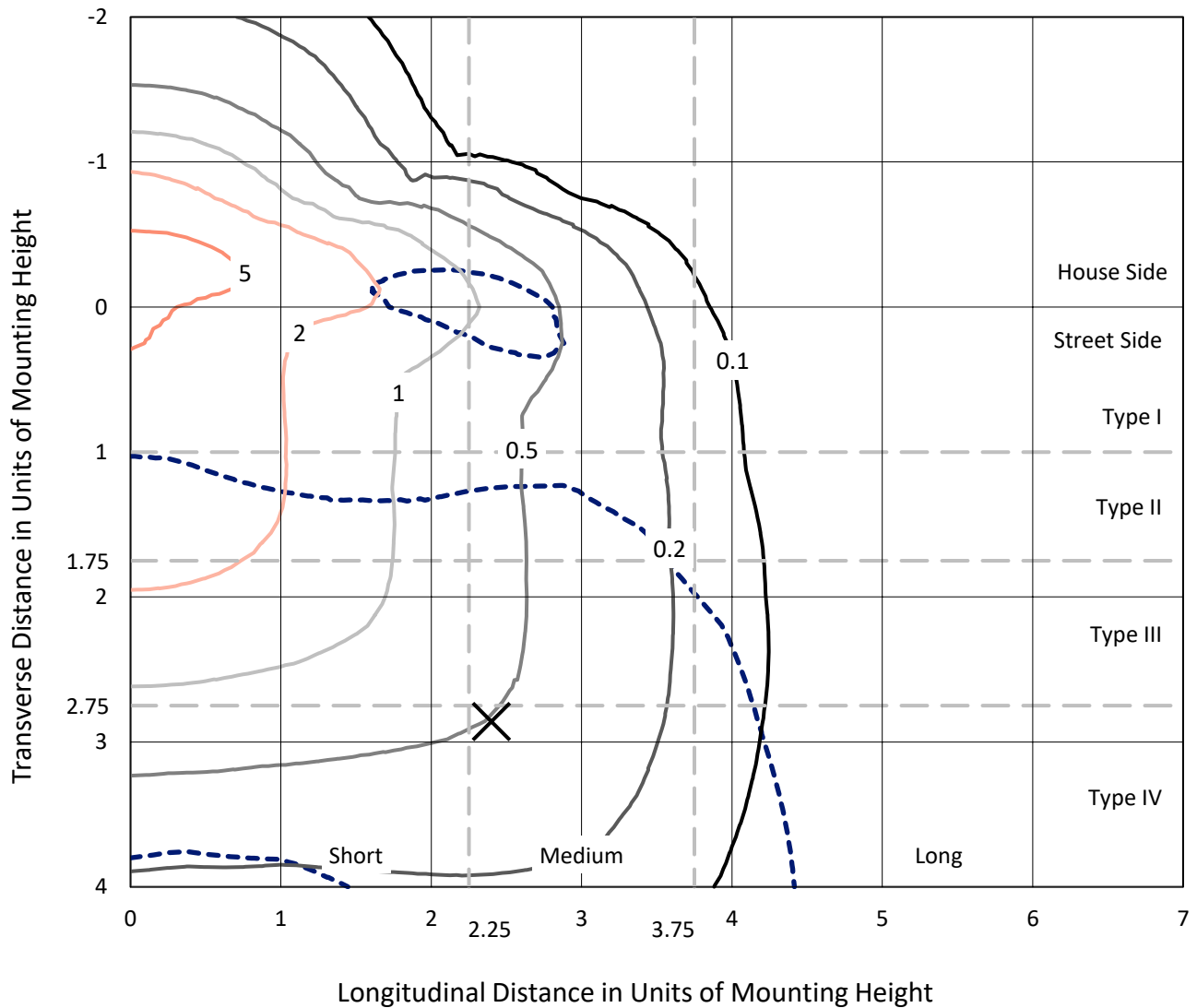
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

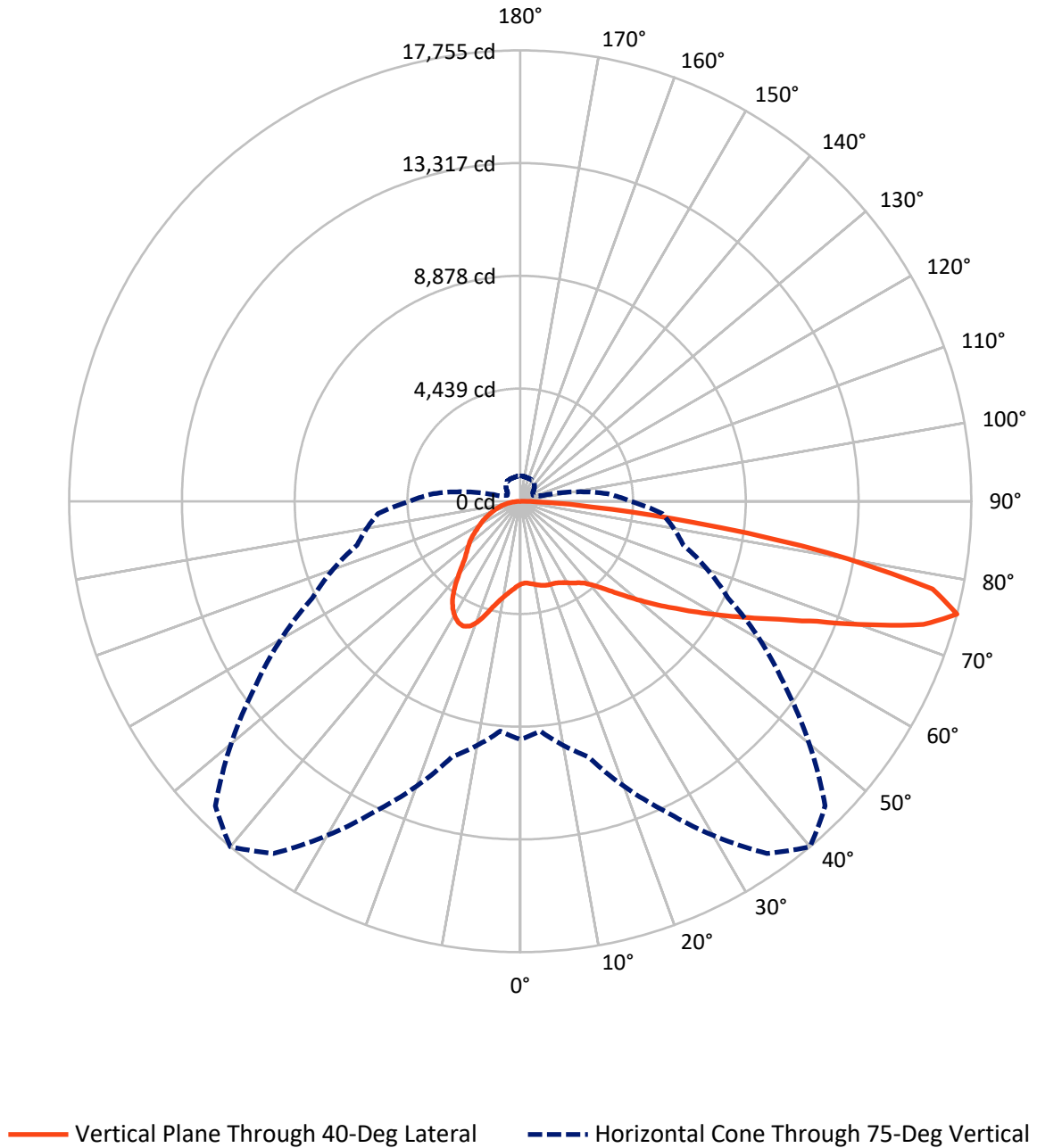
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8838.6	0.0	8838.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	19688.4	0.0	19688.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	28527.0	0.0	28527.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.6	1.1
10°-20°	1093.3	3.8
20°-30°	1996.2	7.0
30°-40°	2831.2	9.9
40°-50°	3822.9	13.4
50°-60°	5142.8	18.0
60°-70°	6527.4	22.9
70°-80°	5924.0	20.8
80°-90°	863.5	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°	28527.0	100.0
0°-180°	28527.0	100.0

Coefficient of Utilization



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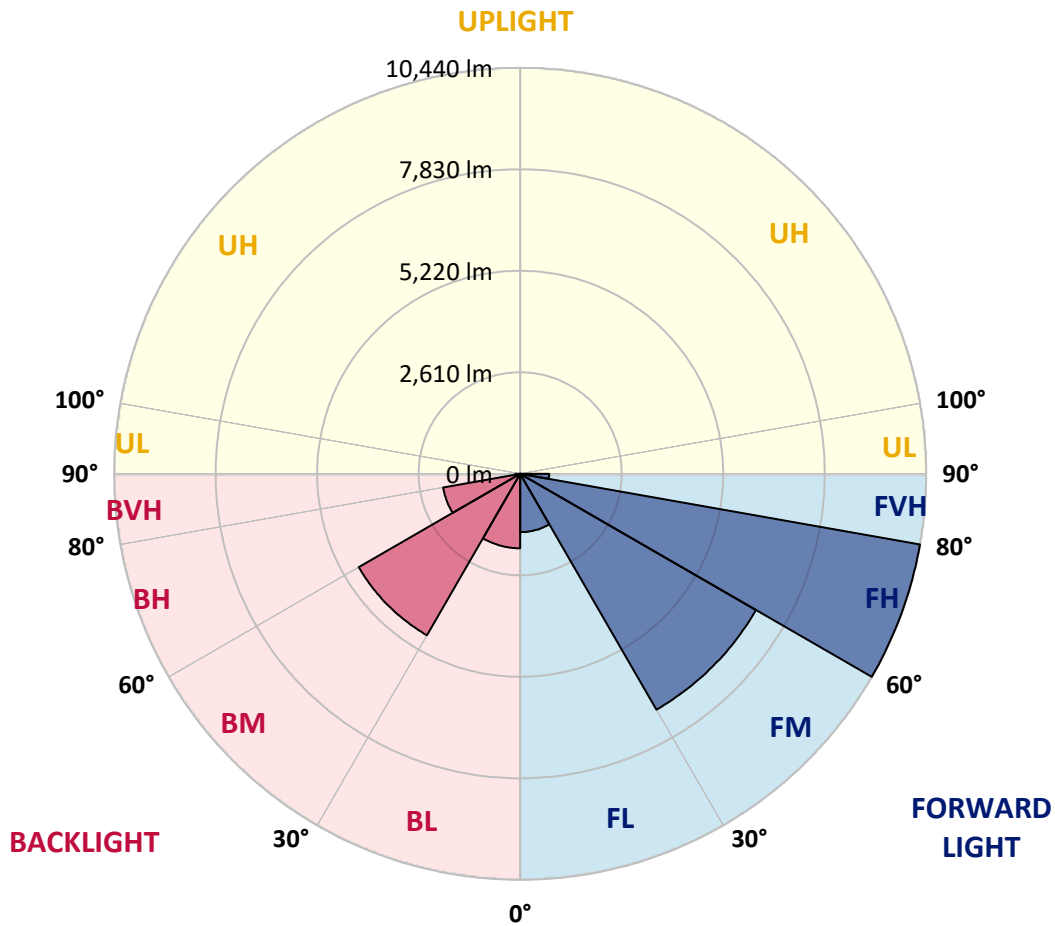
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.5	5.3			
FM (30°-60°)	7002.7	24.5			
FH (60°-80°)	10440.4	36.6			G4/12000
FVH (80°-90°)	744.7	2.6			G4/750
BL (0°-30°)	1914.5	6.7	B3/2500		
BM (30°-60°)	4794.2	16.8	B3/5000		
BH (60°-80°)	2011.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	118.9	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°	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1
2.5°	3212.2	3230.3	3225.8	3219.7	3219.7	3221.2	3219.7	3230.3	3240.9	3251.5
5°	3245.5	3263.6	3254.5	3247.0	3240.9	3239.4	3234.9	3233.4	3239.4	3253.0
7.5°	3310.5	3328.7	3315.1	3301.4	3289.3	3283.3	3277.2	3268.2	3263.6	3271.2
10°	3383.1	3401.3	3384.7	3360.4	3340.8	3333.2	3327.2	3318.1	3312.0	3316.6
12.5°	3455.8	3473.9	3451.2	3417.9	3392.2	3387.7	3380.1	3377.1	3375.6	3374.1
15°	3523.9	3539.0	3510.2	3470.9	3443.7	3436.1	3428.5	3433.1	3440.6	3449.7
17.5°	3576.8	3591.9	3549.6	3498.1	3472.4	3469.4	3464.8	3480.0	3501.2	3523.9
20°	3625.2	3640.4	3585.9	3516.3	3486.0	3486.0	3487.5	3519.3	3549.6	3582.9
22.5°	3693.3	3705.4	3638.8	3543.5	3499.6	3502.7	3514.8	3546.6	3584.4	3629.8
25°	3794.7	3803.8	3722.1	3595.0	3545.0	3554.1	3564.7	3579.8	3616.2	3669.1
27.5°	3958.1	3965.7	3858.2	3685.7	3610.1	3625.2	3640.4	3629.8	3646.4	3691.8
30°	4188.1	4192.6	4056.4	3828.0	3720.5	3728.1	3731.1	3687.3	3655.5	3691.8
32.5°	4460.4	4458.9	4297.0	4000.5	3846.1	3838.6	3812.8	3726.6	3652.5	3684.2
35°	4882.6	4865.9	4657.1	4242.5	3988.4	3941.5	3880.9	3770.5	3667.6	3676.7
37.5°	5581.6	5530.1	5241.1	4639.0	4200.2	4080.7	3991.4	3841.6	3700.9	3673.6
40°	6369.9	6304.8	5987.1	5182.1	4517.9	4325.8	4182.0	3943.0	3755.3	3687.3
42.5°	7304.9	7212.6	6870.7	5822.2	4920.4	4642.0	4425.6	4071.6	3835.5	3731.1
45°	8453.3	8330.8	7846.6	6543.9	5427.3	5056.6	4767.6	4266.8	3958.1	3815.9
47.5°	9613.8	9644.1	8955.6	7370.0	6035.5	5568.0	5195.8	4560.3	4136.6	3952.0
50°	10846.9	10868.1	10058.6	8285.4	6725.4	6145.9	5676.9	4888.6	4384.8	4145.7
52.5°	11809.2	11812.3	11060.3	9243.1	7444.1	6781.4	6195.9	5263.8	4672.2	4402.9
55°	12411.4	12403.8	11762.3	10149.4	8270.2	7448.7	6770.8	5690.5	5023.3	4705.5
57.5°	12848.7	12826.0	12246.5	10928.6	9150.8	8237.0	7421.4	6174.7	5437.8	5065.6
60°	13015.1	13001.5	12574.8	11601.9	10076.8	9108.5	8171.9	6716.4	5908.4	5490.8
62.5°	13078.7	13104.4	12897.1	12254.1	11067.8	10073.8	8996.5	7363.9	6438.0	5971.9
65°	13302.6	13349.5	13307.1	13107.4	12187.5	11204.0	10090.4	8134.1	7015.9	6487.9
67.5°	13745.9	13792.8	13811.0	14128.7	13555.3	12612.6	11455.2	9093.3	7692.3	7023.5
70°	13735.3	13721.7	14042.5	14941.2	15268.0	14562.9	13295.0	10273.5	8498.7	7468.3
72.5°	12502.2	12393.3	13151.3	14932.1	16693.3	16599.5	15541.9	11795.6	9194.7	7522.8
75°	9379.3	9088.8	10427.8	13456.9	16930.8	17755.4	16970.2	12739.7	9029.8	6646.8
77.5°	4011.1	3719.0	5297.1	9961.8	15153.0	16598.0	15659.9	11114.7	7208.1	4395.4
80°	1050.0	1048.5	1600.8	4516.4	10305.3	12257.1	10753.1	7177.8	4118.5	1570.5
82.5°	434.2	423.6	588.6	1756.6	5035.4	6878.3	5613.4	3201.6	1487.3	425.2
85°	161.9	160.4	286.0	606.7	1776.3	2836.9	2053.2	818.6	370.7	207.3
87.5°	45.4	43.9	62.0	210.3	432.7	656.7	351.0	134.7	104.4	81.7
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°
3262.1	0°	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1	3262.1
3268.2	2.5°	3272.7	3280.3	3293.9	3304.5	3318.1	3333.2	3354.4	3368.0	3381.6	3390.7
3275.7	5°	3286.3	3303.0	3337.8	3372.6	3413.4	3451.2	3495.1	3526.9	3552.6	3560.2
3303.0	7.5°	3316.6	3343.8	3402.8	3461.8	3526.9	3588.9	3652.5	3706.9	3750.8	3767.5
3351.4	10°	3369.5	3405.8	3489.1	3572.3	3658.5	3753.8	3835.5	3914.2	3976.3	4002.0
3408.9	12.5°	3436.1	3481.5	3590.4	3705.4	3824.9	3956.6	4062.5	4159.3	4236.5	4271.3
3489.1	15°	3522.3	3581.4	3720.5	3874.9	4050.4	4233.5	4368.1	4475.6	4561.8	4604.2
3572.3	17.5°	3616.2	3694.8	3870.3	4103.3	4354.5	4595.1	4752.4	4831.1	4920.4	4961.2
3649.4	20°	3706.9	3803.8	4054.9	4393.8	4728.2	4983.9	5111.0	5132.2	5138.3	5142.8
3722.1	22.5°	3800.7	3930.9	4286.4	4760.0	5118.6	5295.6	5313.8	5223.0	5095.9	5036.9
3793.2	25°	3903.6	4076.1	4589.0	5164.0	5454.5	5475.7	5336.5	5115.6	4875.0	4764.5
3850.7	27.5°	4003.5	4244.1	4952.2	5549.8	5696.6	5510.5	5210.9	4897.7	4607.2	4490.7
3891.5	30°	4103.3	4436.2	5353.1	5887.2	5807.0	5424.2	5012.7	4663.2	4371.2	4248.6
3927.8	32.5°	4204.7	4660.1	5814.6	6130.8	5787.4	5241.1	4766.1	4399.9	4142.7	4014.1
3959.6	35°	4319.7	4935.5	6251.9	6264.0	5655.7	4971.8	4440.8	4085.2	3861.3	3758.4
3997.4	37.5°	4469.5	5285.0	6637.7	6297.2	5425.7	4576.9	4036.8	3713.0	3528.4	3481.5
4053.4	40°	4655.6	5705.6	6932.7	6244.3	5085.3	4097.3	3595.0	3336.2	3231.8	3242.4
4129.1	42.5°	4897.7	6176.2	7140.0	6108.1	4611.7	3602.5	3207.6	3092.6	3142.6	3184.9
4242.5	45°	5212.4	6664.9	7268.6	5876.6	4076.1	3183.4	2979.2	3006.4	3044.2	3048.8
4425.6	47.5°	5614.9	7159.7	7353.3	5527.1	3529.9	2888.4	2833.9	2840.0	2832.4	2800.6
4699.5	50°	6117.2	7640.8	7429.0	5064.1	3065.4	2703.8	2631.2	2610.0	2505.6	2402.7
5064.1	52.5°	6689.1	8082.6	7460.8	4489.2	2703.8	2549.5	2431.4	2298.3	2103.1	2071.3
5522.6	55°	7324.6	8491.1	7379.1	3782.6	2399.7	2351.3	2172.7	2012.3	1991.2	1963.9
6126.3	57.5°	8084.1	8931.4	7212.6	2994.3	2088.0	2119.8	1945.8	1963.9	1926.1	1883.7
6902.5	60°	8914.8	9386.9	6920.6	2275.6	1765.7	1830.8	1886.8	1885.2	1874.6	1839.8
7721.0	62.5°	9662.2	9686.4	6345.7	1743.0	1482.8	1606.8	1759.7	1758.1	1749.1	1729.4
8575.9	65°	10107.1	9641.1	5386.4	1372.3	1249.8	1422.3	1587.2	1599.3	1600.8	1599.3
9218.9	67.5°	10028.4	9110.0	4070.1	1092.4	1057.6	1234.6	1416.2	1432.8	1444.9	1448.0
9300.6	70°	9138.7	7943.4	2653.9	871.5	886.6	1069.7	1254.3	1270.9	1281.5	1293.6
8070.5	72.5°	7123.4	5840.3	1519.1	705.1	736.8	927.5	1093.9	1113.6	1119.6	1142.3
5616.4	75°	4340.9	3434.6	820.1	555.3	605.2	792.8	935.1	957.8	968.3	995.6
2758.3	77.5°	2063.8	1487.3	467.5	432.7	487.2	647.6	789.8	815.5	786.8	801.9
761.1	80°	697.5	552.3	295.0	329.8	372.2	505.4	632.4	658.2	597.6	594.6
252.7	82.5°	243.6	223.9	187.6	219.4	240.6	361.6	478.1	511.4	444.8	443.3
113.5	85°	95.3	90.8	104.4	119.5	143.7	222.4	314.7	331.4	273.9	220.9
33.3	87.5°	19.7	21.2	25.7	27.2	43.9	77.2	113.5	139.2	110.5	93.8
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>
3262.1
3384.7
3563.2
3769.0
4003.5
4271.3
4601.1
4959.7
5154.9
5053.5
4781.2
4504.3
4262.2
4030.7
3781.1
3514.8
3278.7
3224.3
3079.0
2824.8
2416.3
2081.9
1968.5
1876.2
1827.7
1721.8
1599.3
1451.0
1299.7
1151.4
998.6
789.8
588.6
422.1
217.9
86.2
0.0

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