

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: EPHESUS

Report Number: P575298

Luminaire Tested: **EPH-VN-06-740-U-T4FT-HSS**

Issue Date: 10/19/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P575298  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 10/19/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-VN-06-740-U-T4FT-HSS  
Description: EPHEBUS LUMAVISION – Middle Tier Light Square Luminaire w/ T4FT distribution lens and House Side Shield  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

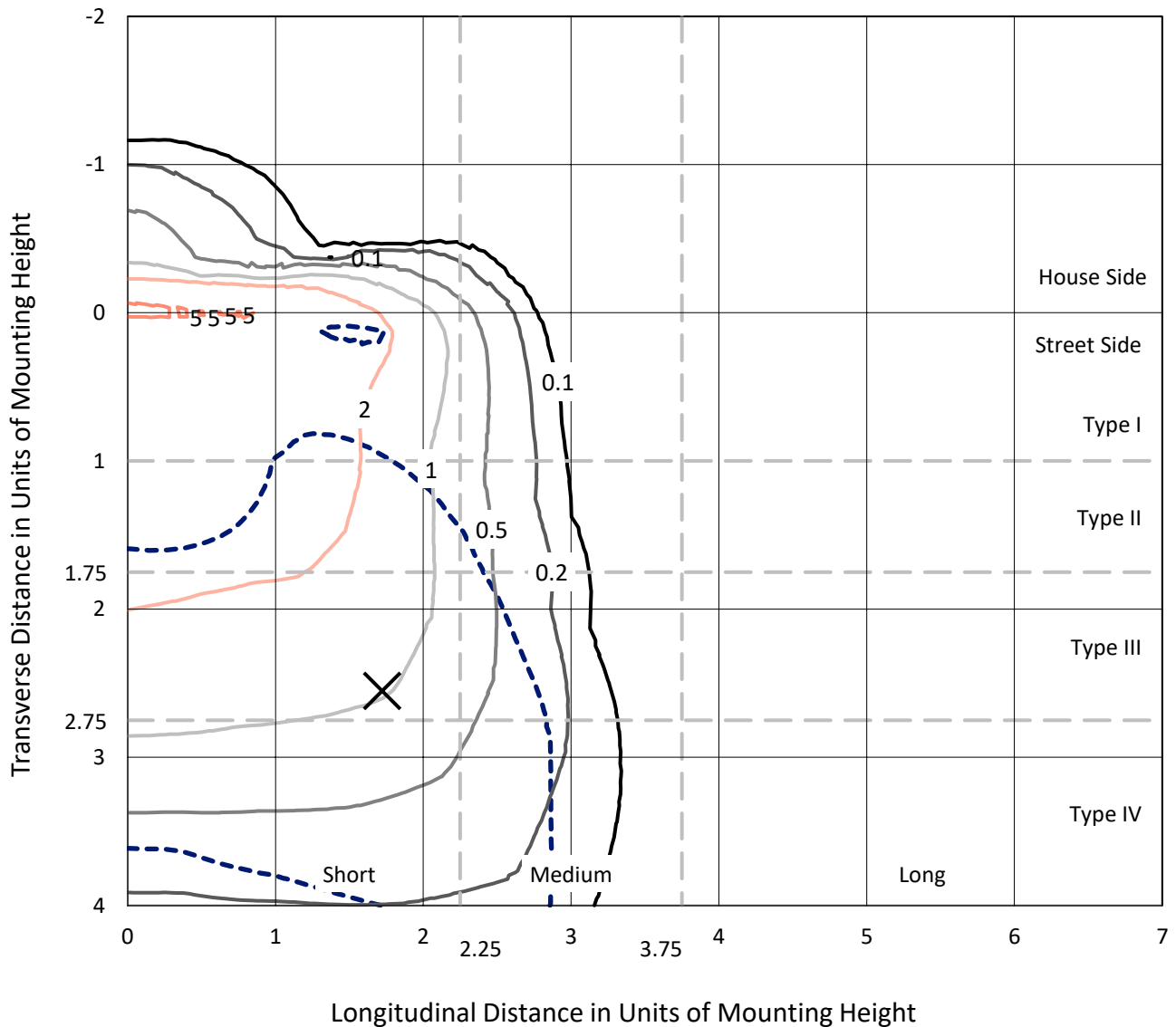
Lumens per Lamp: N/A  
Luminaire Lumens: 33061.1 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2  
Input Voltage (V): 120  
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

REPORT NUMBER: P575298  
 CATALOG NUMBER: EPH-VN-06-740-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

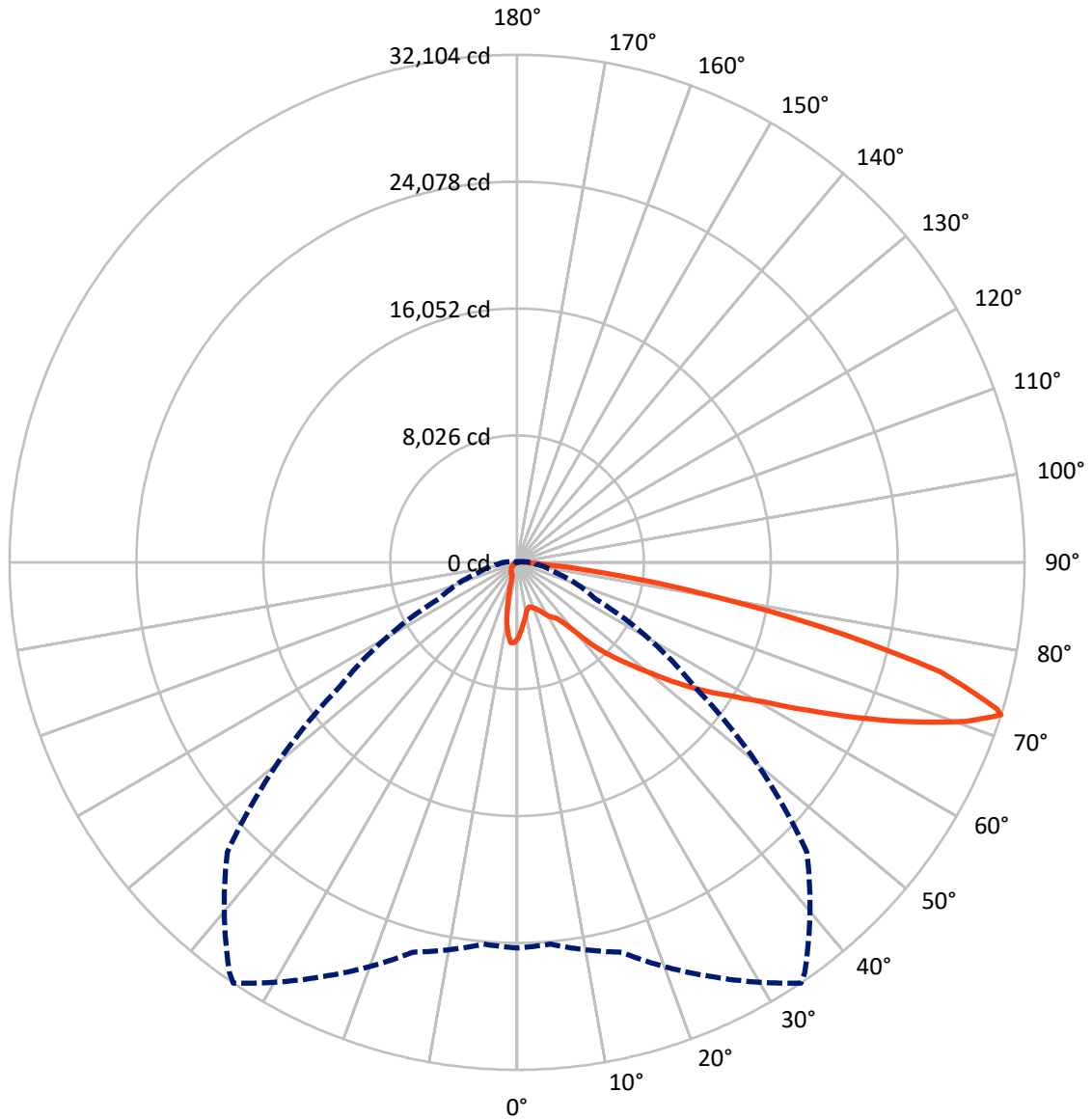
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P575298  
CATALOG NUMBER: EPH-VN-06-740-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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 CATALOG NUMBER: EPH-VN-06-740-U-T4FT-HSS

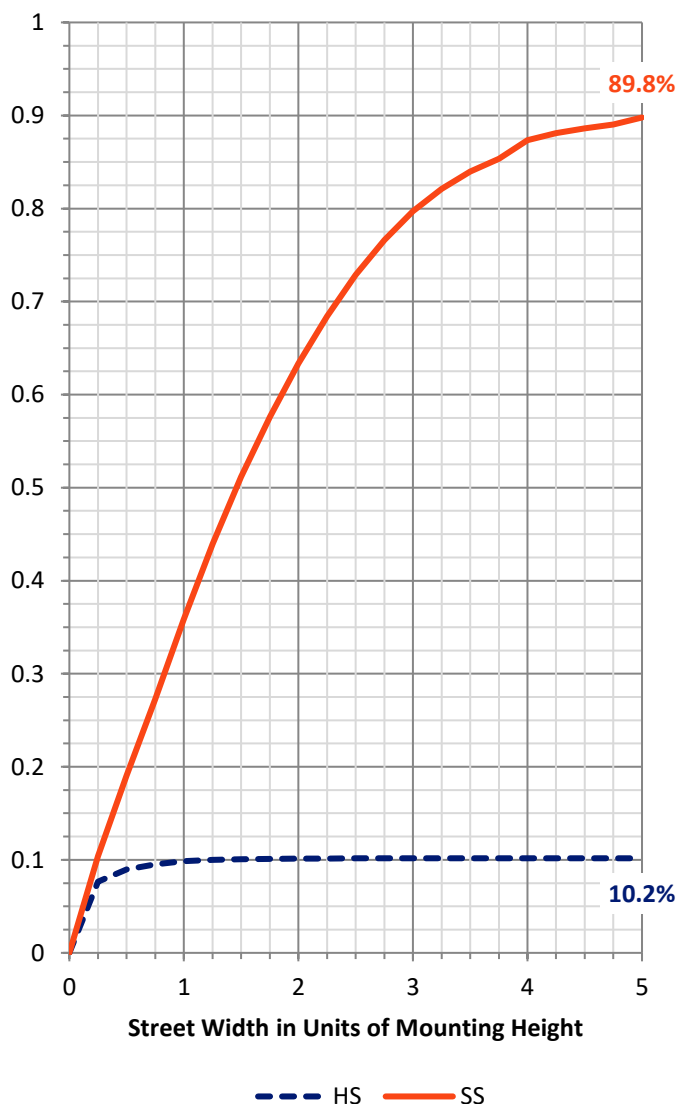
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3384.7	0.0	3384.7
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	29676.4	0.0	29676.4
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	33061.1	0.0	33061.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	419.9	1.3
10°-20°	950.6	2.9
20°-30°	1434.8	4.3
30°-40°	2328.5	7.0
40°-50°	4378.6	13.2
50°-60°	7159.0	21.7
60°-70°	9516.9	28.8
70°-80°	6373.4	19.3
80°-90°	499.5	1.5
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°	33061.1	100.0
0°-180°	33061.1	100.0

**Coefficient of Utilization**

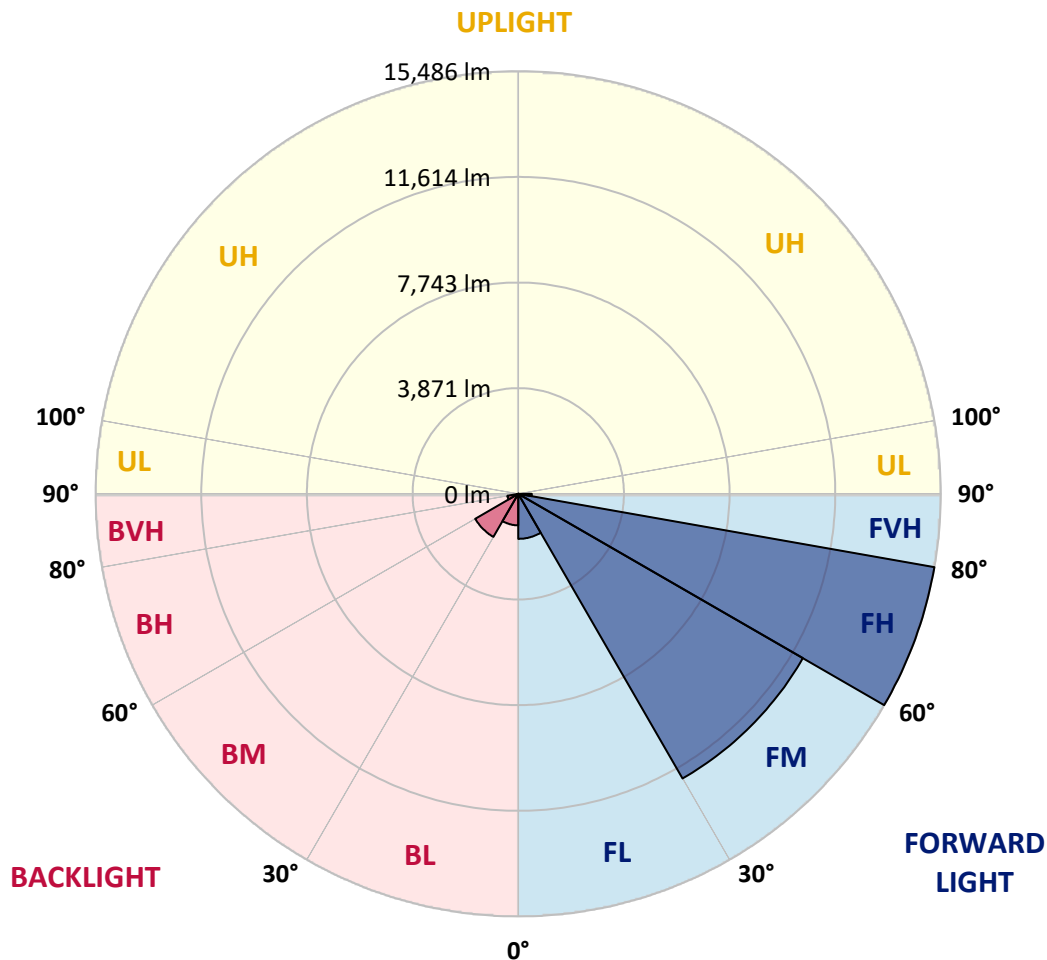


REPORT NUMBER: P575298  
 CATALOG NUMBER: EPH-VN-06-740-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1650.5	5.0			
FM (30°-60°)	12044.1	36.4			
FH (60°-80°)	15485.5	46.8			G5
FVH (80°-90°)	496.3	1.5			G3/500
BL (0°-30°)	1154.8	3.5	B3/2500		
BM (30°-60°)	1821.9	5.5	B2/2500		
BH (60°-80°)	404.7	1.2	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short





REPORT NUMBER: P575298

CATALOG NUMBER: EPH-VN-06-740-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
2.5°	4277.7	4268.1	4296.8	4344.6	4392.4	4373.3	4464.1	4559.7	4626.6	4717.4
5°	3737.6	3761.5	3790.2	3885.7	3947.9	3962.2	4129.5	4253.8	4459.3	4669.6
7.5°	3245.3	3274.0	3331.3	3436.5	3565.5	3599.0	3766.3	4014.8	4282.4	4559.7
10°	2886.8	2915.5	2977.6	3044.5	3216.6	3216.6	3446.0	3790.2	4139.1	4464.1
12.5°	2810.4	2824.7	2819.9	2872.5	2982.4	3006.3	3230.9	3608.5	4014.8	4430.6
15°	2901.2	2910.7	2862.9	2834.2	2929.8	2953.7	3164.0	3498.6	3933.5	4449.7
17.5°	3082.8	3049.3	2953.7	2910.7	2992.0	3006.3	3202.3	3493.8	3924.0	4502.3
20°	3187.9	3226.2	3058.9	2977.6	3092.3	3111.5	3321.8	3570.3	3971.8	4593.1
22.5°	3374.3	3393.5	3168.8	3116.2	3226.2	3226.2	3465.1	3723.2	4086.5	4741.3
25°	3637.2	3613.3	3350.4	3297.9	3403.0	3446.0	3685.0	3967.0	4263.3	4879.9
27.5°	3842.7	3857.1	3642.0	3503.4	3680.2	3708.9	3967.0	4229.9	4397.1	4994.6
30°	4148.6	4119.9	3890.5	3732.8	3952.7	3957.4	4206.0	4478.4	4655.2	5200.1
32.5°	4511.9	4454.5	4191.6	3967.0	4143.8	4186.8	4440.2	4836.9	5056.7	5587.2
35°	5281.4	5142.8	4712.6	4363.7	4378.0	4397.1	4789.1	5357.8	5611.1	6079.5
37.5°	6404.5	6347.2	5859.7	5195.3	4942.0	4884.7	5324.4	6046.1	6361.5	6729.5
40°	7518.2	7436.9	6982.9	6481.0	6022.2	5907.5	6127.3	6959.0	7245.7	7632.9
42.5°	8756.1	8612.7	8077.4	7671.1	7384.3	7260.1	7174.0	8106.0	8431.1	8693.9
45°	10008.3	9774.1	8999.8	8689.1	8536.2	8469.3	8459.7	9549.5	9745.4	9798.0
47.5°	11107.6	10854.3	10151.7	9802.8	9688.1	9668.9	10204.3	11212.7	11059.8	10921.2
50°	11953.6	11791.0	11284.4	11160.2	11074.1	11040.7	12292.9	12923.8	12216.4	11972.7
52.5°	13263.1	12899.9	12326.4	12369.4	12670.5	12675.3	14410.2	14548.8	13177.1	12694.4
55°	14309.8	14070.9	13602.5	13540.3	14333.7	14419.8	16307.7	15781.9	13712.4	13382.6
57.5°	15543.0	15433.0	15093.7	15103.2	15934.9	16116.5	17994.9	16823.9	14156.9	13827.1
60°	17325.7	17010.3	16833.4	16914.7	17894.5	18071.3	19629.4	17574.3	14372.0	14118.7
62.5°	19294.9	18926.9	18735.7	19151.5	20580.6	20609.2	20872.1	18238.6	14238.2	14195.1
65°	21665.5	21302.3	21149.3	21985.7	23682.5	23577.3	22616.6	18520.6	13812.8	13425.6
67.5°	24026.6	23806.7	23491.3	24824.8	26937.3	26937.3	24428.1	18415.4	12699.2	10777.8
70°	25145.0	25297.9	25799.8	27893.2	30134.8	29905.4	26215.6	17206.2	9453.9	5788.0
72°	24399.4	24241.7	25536.9	28896.9	32104.0	31726.4	25914.5	13679.0	5463.0	2537.9
72.5°	23118.5	23266.6	25049.4	28758.3	31735.9	32046.6	25178.5	12617.9	4492.7	2021.7
75°	14176.0	14429.3	18697.4	24418.5	27654.2	27305.3	19476.5	6012.6	1725.4	860.3
77.5°	5176.2	5386.5	9071.5	15366.1	19667.7	19447.8	11270.1	2136.4	936.8	640.5
80°	1347.8	1457.8	3082.8	7088.0	11566.4	11580.7	4717.4	855.5	635.7	525.7
82.5°	267.7	296.3	946.3	2757.8	5405.6	5333.9	1491.2	458.8	478.0	430.2
85°	33.5	43.0	200.7	936.8	1749.3	1567.7	368.0	229.4	353.7	334.6
87.5°	4.8	4.8	47.8	215.1	368.0	358.5	76.5	71.7	157.7	205.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P575298

CATALOG NUMBER: EPH-VN-06-740-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4836.9	0°	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9	4836.9
4827.3	2.5°	4889.4	4908.6	4975.5	5032.8	5099.7	5118.9	5090.2	5138.0	5071.1	5109.3
4865.5	5°	4899.0	5008.9	5133.2	5214.4	5195.3	5147.5	5109.3	4980.2	4889.4	4856.0
4879.9	7.5°	4965.9	5090.2	5224.0	5224.0	5118.9	4870.3	4631.3	4401.9	4210.7	4115.2
4884.7	10°	5051.9	5181.0	5319.6	5138.0	4746.1	4292.0	3952.7	3522.5	3230.9	3078.0
4961.1	12.5°	5166.6	5348.3	5396.1	4975.5	4325.5	3651.5	3035.0	2437.5	2160.3	1940.5
5085.4	15°	5314.8	5491.7	5348.3	4621.8	3790.2	2796.0	2055.2	1486.4	1266.6	1151.9
5228.8	17.5°	5510.8	5644.6	5333.9	4296.8	3068.4	1911.8	1261.8	1003.7	955.9	936.8
5429.5	20°	5740.2	5840.6	5195.3	3790.2	2279.8	1228.3	927.2	898.5	903.3	893.8
5668.5	22.5°	5998.3	6031.7	5037.6	3202.3	1543.8	908.1	865.1	869.9	874.7	865.1
5888.4	25°	6270.7	6179.9	4808.2	2514.0	1027.6	826.9	836.4	846.0	850.8	855.5
6156.0	27.5°	6576.6	6395.0	4488.0	1840.1	803.0	779.1	807.7	836.4	841.2	841.2
6557.5	30°	7025.9	6724.8	4177.3	1247.5	707.4	726.5	774.3	807.7	831.6	831.6
7178.8	32.5°	7594.6	7068.9	3742.4	850.8	654.8	664.4	702.6	769.5	822.1	826.9
8010.5	35°	8383.3	7484.7	3288.3	678.7	616.6	621.3	645.2	697.8	788.6	817.3
9090.6	37.5°	9214.9	7957.9	2724.3	611.8	587.9	583.1	597.4	640.5	721.7	793.4
10199.5	40°	10099.1	8455.0	2131.7	578.3	564.0	554.4	559.2	578.3	640.5	731.3
11284.4	42.5°	10930.7	8904.2	1601.1	544.9	540.1	530.5	530.5	535.3	568.8	630.9
12488.9	45°	11829.3	9272.2	1218.8	521.0	506.6	511.4	492.3	482.7	506.6	511.4
13831.9	47.5°	12670.5	9640.3	975.0	492.3	478.0	478.0	454.1	434.9	434.9	391.9
15012.4	50°	13459.1	9841.0	779.1	454.1	449.3	444.5	411.0	377.6	348.9	296.3
16126.1	52.5°	14113.9	9831.4	602.2	406.3	420.6	406.3	353.7	305.9	262.9	215.1
16537.1	55°	14309.8	9372.6	454.1	334.6	358.5	339.3	282.0	239.0	191.2	152.9
16599.2	57.5°	14142.6	8674.8	344.1	258.1	277.2	258.1	215.1	176.8	133.8	105.1
16446.3	60°	13583.4	7857.5	267.7	200.7	210.3	196.0	162.5	133.8	95.6	66.9
15461.7	62.5°	12522.3	6834.7	205.5	157.7	152.9	152.9	124.3	100.4	66.9	38.2
12876.0	65°	10275.9	5329.2	157.7	109.9	109.9	109.9	95.6	71.7	43.0	19.1
8421.5	67.5°	6452.3	3101.9	129.0	86.0	81.3	81.3	66.9	47.8	23.9	4.8
3312.2	70°	2428.0	1137.5	100.4	66.9	62.1	62.1	47.8	28.7	14.3	0.0
1151.9	72°	836.4	434.9	81.3	47.8	47.8	43.0	33.5	23.9	9.6	0.0
869.9	72.5°	688.2	348.9	76.5	47.8	43.0	43.0	33.5	23.9	9.6	0.0
310.7	75°	248.5	143.4	52.6	33.5	28.7	28.7	23.9	14.3	4.8	0.0
157.7	77.5°	124.3	90.8	43.0	28.7	23.9	14.3	14.3	9.6	4.8	0.0
95.6	80°	76.5	57.4	23.9	19.1	14.3	9.6	4.8	4.8	0.0	0.0
66.9	82.5°	52.6	33.5	14.3	14.3	9.6	4.8	0.0	0.0	0.0	0.0
43.0	85°	33.5	14.3	9.6	9.6	4.8	0.0	0.0	0.0	0.0	0.0
23.9	87.5°	14.3	9.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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





180°  
4836.9  
5118.9  
4927.7  
4196.4  
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869.9  
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812.5  
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750.4  
640.5  
506.6  
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