

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: EPHEBUS

Report Number: P574944

Luminaire Tested: **EPH-VN-06-750-U-5WQ**

Issue Date: 10/19/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P574944  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 10/19/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-VN-06-750-U-5WQ  
Description: EPHEBUS LUMAVISION – Middle Tier Light Square Luminaire w/ 5WQ distribution lens  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

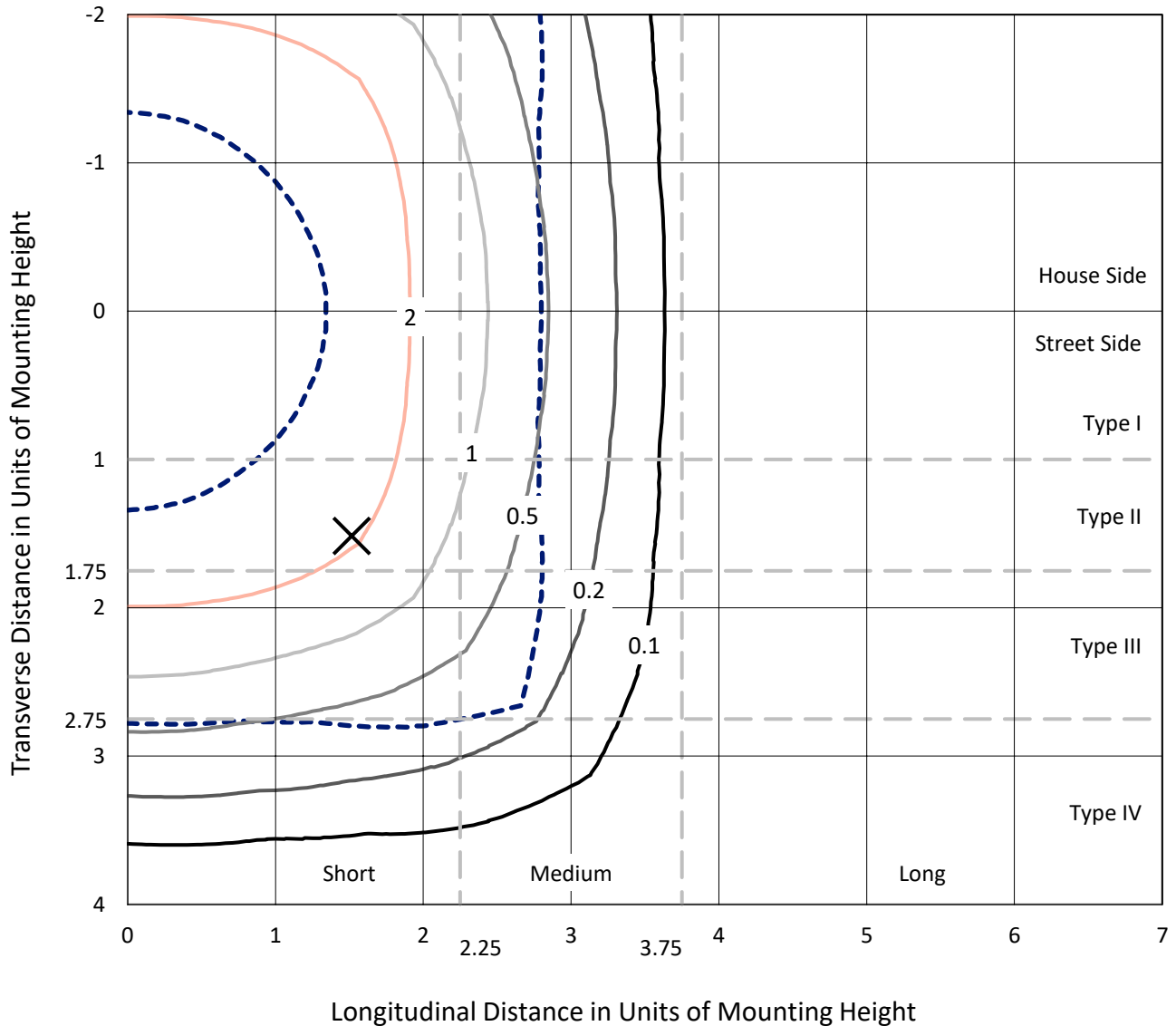
Lumens per Lamp: N/A  
Luminaire Lumens: 55542.3 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 464.2  
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

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### Iso-Footcandle Lines of Horizontal Illumination

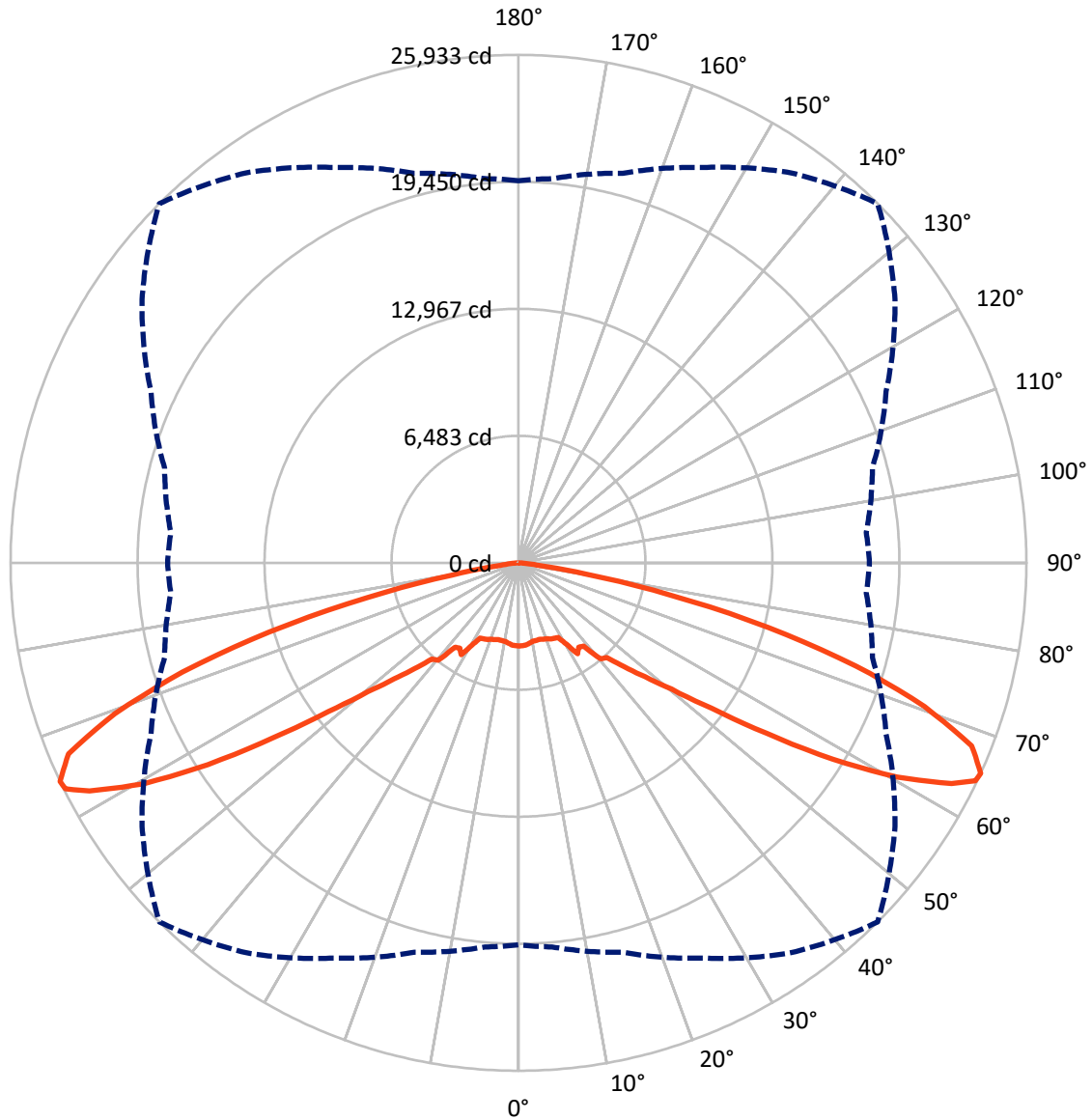
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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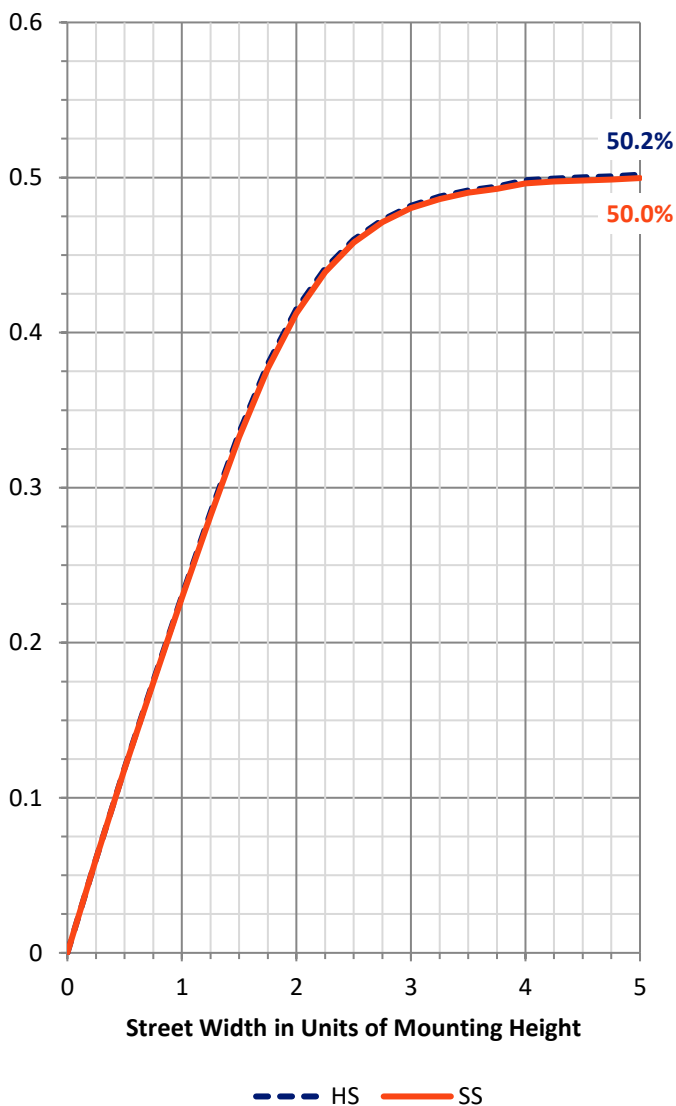
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	27771.1	0.0	27771.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	27771.1	0.0	27771.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	55542.3	0.0	55542.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	398.5	0.7
10°-20°	1170.6	2.1
20°-30°	2026.2	3.6
30°-40°	3369.2	6.1
40°-50°	6078.6	10.9
50°-60°	13541.1	24.4
60°-70°	20180.6	36.3
70°-80°	8363.1	15.1
80°-90°	414.2	0.7
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°	55542.3	100.0
0°-180°	55542.3	100.0

**Coefficient of Utilization**

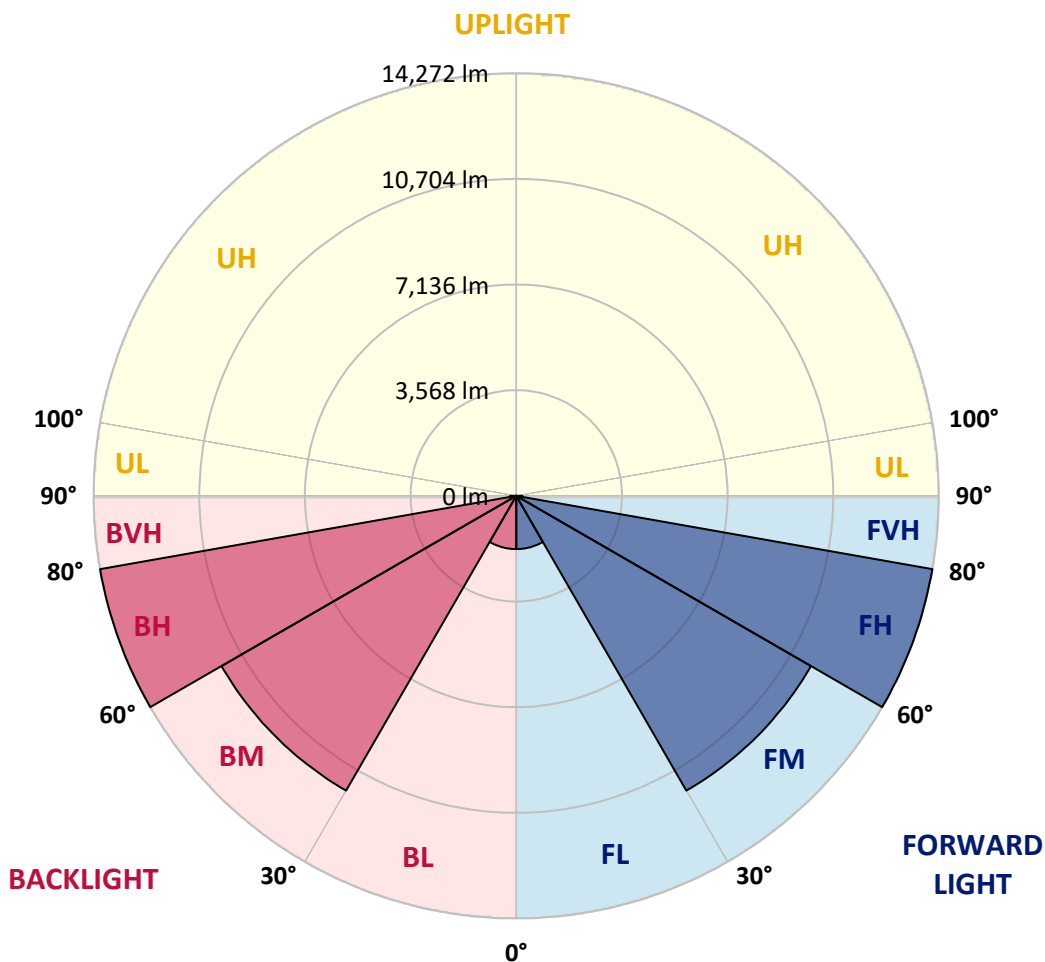


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1797.7	3.2			
FM (30°-60°)	11494.5	20.7			
FH (60°-80°)	14271.9	25.7			G5
FVH (80°-90°)	207.1	0.4			G2/225
BL (0°-30°)	1797.7	3.2	B3/2500		
BM (30°-60°)	11494.5	20.7	B5		
BH (60°-80°)	14271.9	25.7	B5		G5
BVH (80°-90°)	207.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5	4246.5
2.5°	4197.5	4209.7	4203.6	4203.6	4222.0	4234.3	4240.4	4301.8	4277.2	4295.6
5°	4209.7	4209.7	4222.0	4209.7	4222.0	4209.7	4222.0	4203.6	4222.0	4234.3
7.5°	4185.2	4172.9	4154.5	4154.5	4148.4	4136.1	4117.7	4166.8	4142.2	4160.6
10°	4191.3	4172.9	4111.5	4123.8	4068.6	4068.6	4080.9	4080.9	4136.1	4197.5
12.5°	4191.3	4154.5	4136.1	4056.3	4056.3	4062.4	4093.1	4105.4	4142.2	4166.8
15°	4191.3	4172.9	4142.2	4037.9	4062.4	4050.2	4080.9	4080.9	4160.6	4203.6
17.5°	4215.9	4228.1	4172.9	4074.7	4080.9	4105.4	4087.0	4105.4	4203.6	4234.3
20°	4222.0	4172.9	4154.5	4093.1	4148.4	4136.1	4129.9	4166.8	4197.5	4252.7
22.5°	4209.7	4228.1	4154.5	4148.4	4197.5	4222.0	4234.3	4191.3	4228.1	4265.0
25°	4314.0	4246.5	4228.1	4215.9	4240.4	4265.0	4252.7	4289.5	4289.5	4332.5
27.5°	4596.3	4602.5	4565.6	4418.4	4369.3	4314.0	4338.6	4436.8	4553.4	4645.4
30°	4725.2	4749.7	4847.9	4823.4	4805.0	4823.4	4817.3	4841.8	4854.1	4860.2
32.5°	4841.8	4829.5	4786.6	4897.0	5259.1	5535.2	5271.4	4909.3	4829.5	4805.0
35°	5265.2	5265.2	5173.2	5032.0	5222.3	5289.8	5167.0	4995.2	5093.4	5295.9
37.5°	5811.4	5731.6	5768.4	5750.0	5541.4	5394.1	5608.9	5719.3	5737.7	5731.6
40°	6136.6	6081.4	6026.2	6124.4	6314.6	6449.6	6259.4	5995.5	6063.0	6198.0
42.5°	6879.2	6738.0	6750.3	6652.1	6646.0	6603.0	6560.1	6578.5	6676.6	6830.1
45°	7640.1	7707.6	7664.6	7480.5	7566.5	7566.5	7443.7	7535.8	7584.9	7762.8
47.5°	8830.6	8799.9	8818.3	8652.6	8646.5	8689.5	8646.5	8652.6	8806.1	8793.8
50°	10223.6	10309.5	10334.1	10254.3	10156.1	10137.7	10070.2	10156.1	10248.2	10254.3
52.5°	12150.5	12242.6	12242.6	12267.1	12389.8	12328.5	12316.2	12322.3	12144.4	12021.7
55°	14580.6	14611.3	14715.6	14930.4	15304.7	15353.8	15120.6	15016.3	14691.1	14494.7
57.5°	16980.0	17102.8	17391.2	17949.6	18409.9	18913.1	18238.1	17550.8	16912.5	16599.6
60°	18974.4	19152.4	19704.7	20484.1	21760.5	22220.7	21079.3	19901.1	18606.3	17648.9
62.5°	19913.4	20189.5	20655.9	22233.0	24147.6	24810.4	23135.1	20993.4	19029.7	18109.2
64°	19919.5	19962.4	20895.2	22595.1	24564.9	25847.5	23632.1	20993.4	19134.0	17998.7
65°	19508.3	19686.3	20588.4	22263.7	24301.0	25933.4	23460.3	20705.0	18704.4	17820.8
67.5°	17642.8	17636.7	18471.2	20134.3	22963.3	24957.7	21999.8	19091.0	17642.8	16685.5
70°	13384.0	13598.8	14396.5	16440.0	19870.4	22005.9	19238.3	16225.2	14421.1	13654.0
72.5°	8008.3	8290.6	9309.3	11800.7	15433.6	18029.4	15267.9	12003.2	9830.9	8615.8
75°	3651.3	3859.9	4559.5	6590.7	10285.0	13181.5	10346.4	6940.5	4976.8	4203.6
77.5°	1024.8	1153.7	1540.3	3025.4	5645.7	7904.0	5805.2	3344.5	2172.4	1804.2
80°	460.2	484.8	546.2	736.4	1791.9	3485.6	2399.4	1227.3	816.2	675.0
82.5°	251.6	270.0	355.9	380.5	509.3	926.6	791.6	576.8	490.9	392.7
85°	141.1	147.3	202.5	202.5	245.5	270.0	288.4	306.8	300.7	220.9
87.5°	43.0	49.1	61.4	61.4	61.4	61.4	98.2	135.0	147.3	104.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
4246.5  
4277.2  
4252.7  
4191.3  
4215.9  
4228.1  
4234.3  
4277.2  
4301.8  
4307.9  
4387.7  
4663.8  
4841.8  
4829.5  
5308.2  
5793.0  
6142.8  
6854.6  
7787.4  
8726.3  
10199.1  
12083.0  
14648.1  
16654.8  
18035.5  
18090.8  
18207.4  
*17918.9*  
16802.1  
13611.0  
8646.5  
4093.1  
1767.3  
644.3  
380.5  
214.8  
104.3  
0.0

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