

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: G2-1810-991-24

Luminaire Tested: **G8-N-PC-460-5600**

Test Date: 10/26/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-24  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 10/26/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: G8-N-PC-460-5600  
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4.6, 5600K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

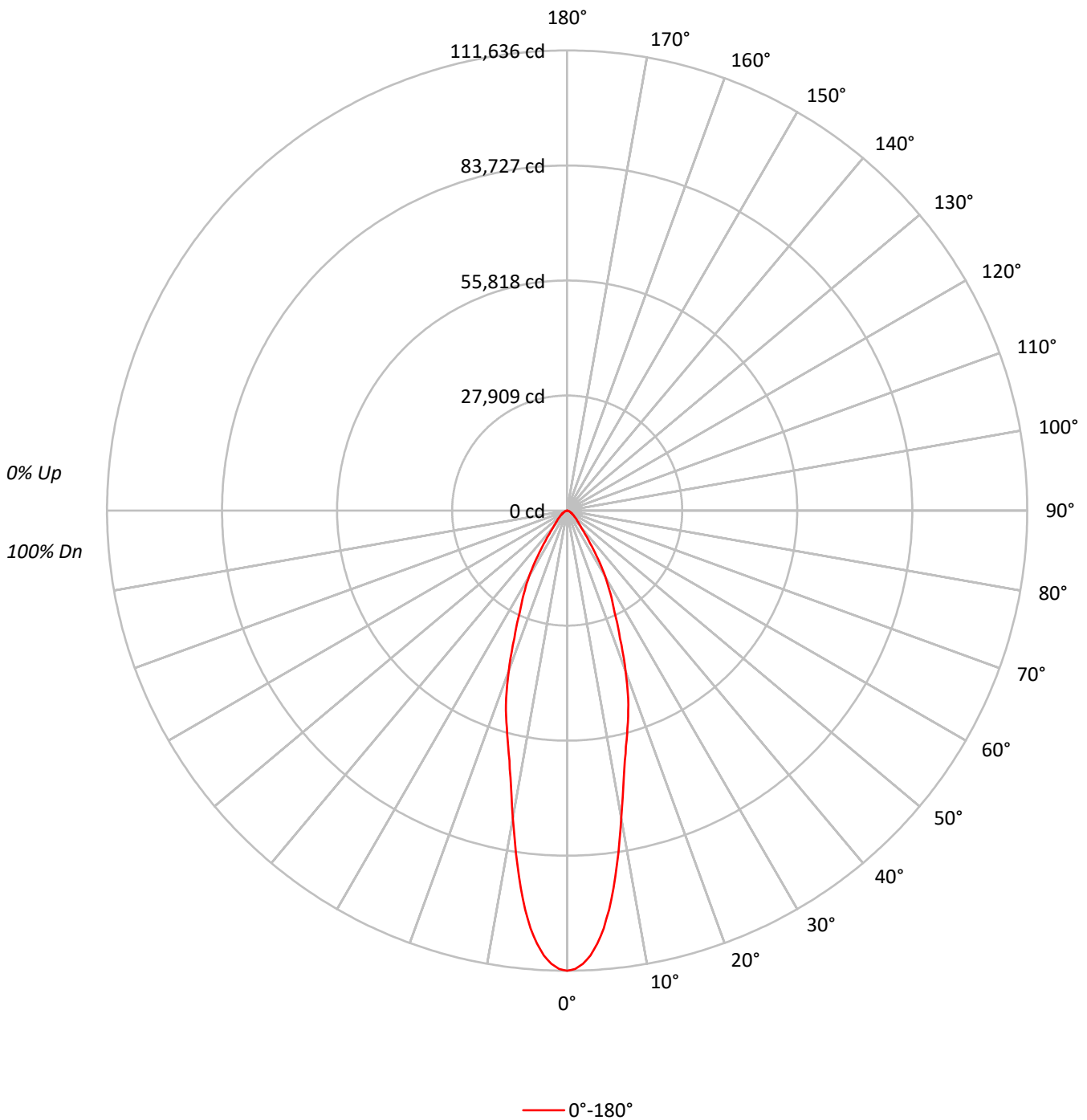
Lumens per Lamp: N/A  
Luminaire Lumens: 49341.1 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.57  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 396.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	63	81	72	67	63	71	67	63	70	66	63	69	66	63	61
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58
10	75	66	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	56

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	953367
5°	871995
10°	656804
15°	496258
20°	377244
25°	256621
30°	182450
35°	101939
40°	58282
45°	42198
50°	31833
55°	24984
60°	20120
65°	15822
70°	12460
75°	9965
80°	8065
85°	5487



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8837.4	17.9
10°-20°	15668.3	31.8
20°-30°	12829.4	26.0
30°-40°	6516.0	13.2
40°-50°	2761.1	5.6
50°-60°	1534.7	3.1
60°-70°	789.1	1.6
70°-80°	329.2	0.7
80°-90°	75.9	0.2
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°-30°	37335.1	75.7
0°-40°	43851.1	88.9
0°-60°	48146.9	97.6
0°-90°	49341.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49341.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	111636	
5°	101719	###
15°	56130	15668
25°	27234	12829
35°	9778	6516
45°	3494	2761
55°	1678	1535
65°	783	789
75°	302	329
85°	56	76
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	111636
1°	111237
2°	110048
3°	108081
4°	105303
5°	101719
6°	97323
7°	92269
8°	86831
9°	81196
10°	75741
11°	70638
12°	66180
13°	62263
14°	59009
15°	56130
17.5°	49397
20°	41510
22.5°	33540
25°	27234
27.5°	22721
30°	18502
32.5°	13968
35°	9778
37.5°	6940
40°	5228
42.5°	4227
45°	3494
47.5°	2880
50°	2396
52.5°	1997
55°	1678
57.5°	1426
60°	1178
62.5°	965
65°	783
67.5°	611
70°	499
72.5°	389
75°	302
77.5°	227
80°	164
82.5°	107
85°	56
87.5°	34



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)