

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: G2-1902-155-32

Luminaire Tested: **G8-W-PC-300-3500**

Test Date: 03/09/19

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1902-155-32  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/09/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: G8-W-PC-300-3500  
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3, 3500K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

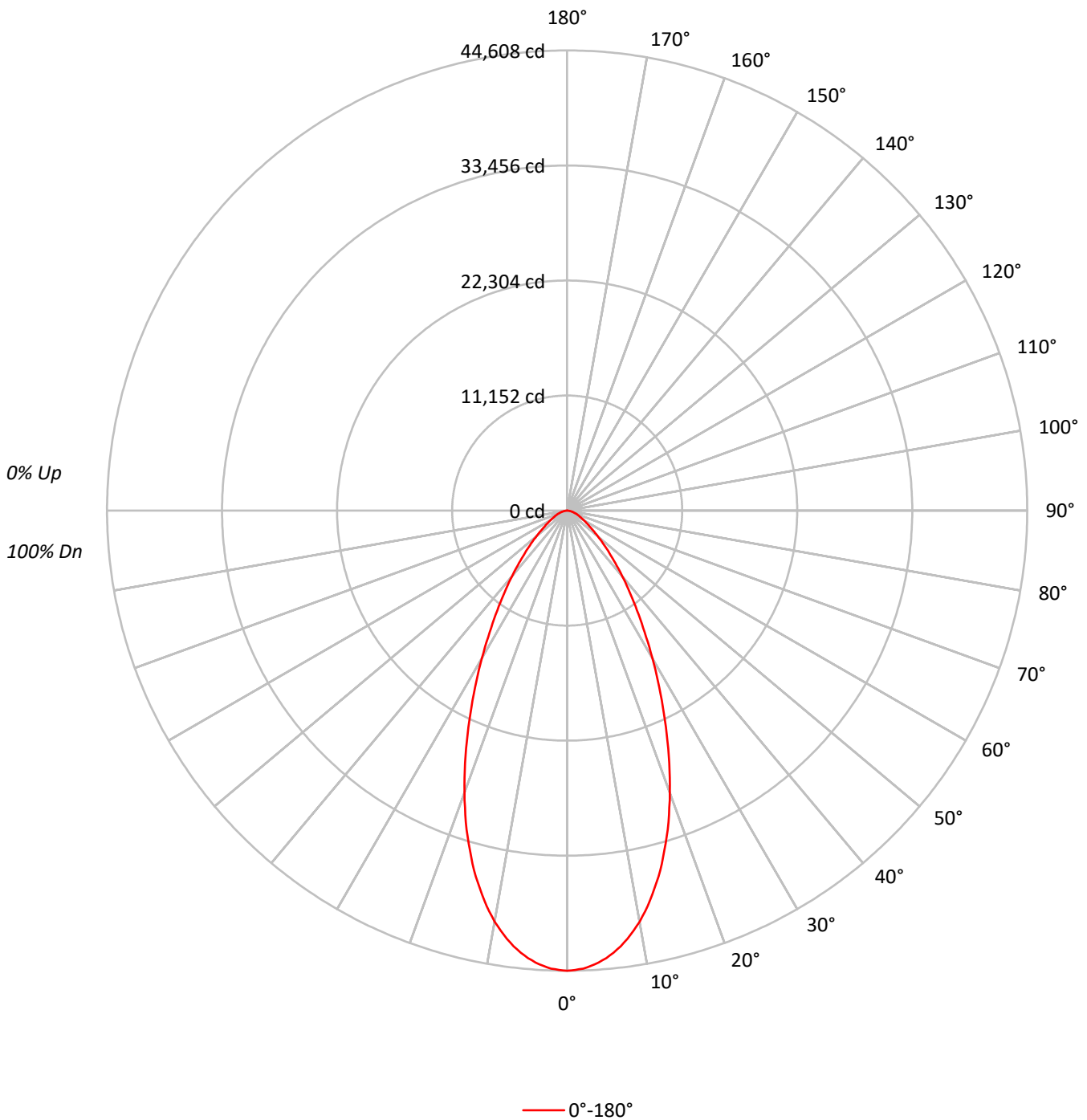
Lumens per Lamp: N/A  
Luminaire Lumens: 40637.9 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8  
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 394.2  
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: 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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	82	97	91	85	81	88	83	80		85	82	78		83	80	77	75
4	94	85	79	74	92	84	78	73	81	76	72		79	75	72		77	74	71	69
5	88	79	72	67	86	78	72	67	76	70	66		74	69	66		73	68	65	63
6	83	73	67	62	82	72	66	62	71	65	61		69	64	61		68	64	60	59
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	58	53	73	64	57	53	62	57	53		61	56	52		60	56	52	51
9	71	60	54	50	70	60	54	49	59	53	49		58	53	49		57	52	49	47
10	67	57	51	46	66	56	50	46	56	50	46		55	50	46		54	49	46	45

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

	0°
0°	399091
5°	391087
10°	367610
15°	328355
20°	277179
25°	221379
30°	170384
35°	128823
40°	97076
45°	72372
50°	54101
55°	41069
60°	33156
65°	28134
70°	25033
75°	20948
80°	15972
85°	9239



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4058.2	10.0
10°-20°	9813.3	24.1
20°-30°	10275.6	25.3
30°-40°	7452.0	18.3
40°-50°	4493.1	11.1
50°-60°	2427.9	6.0
60°-70°	1337.3	3.3
70°-80°	651.5	1.6
80°-90°	128.9	0.3
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°	24147.2	59.4
0°-40°	31599.2	77.8
0°-60°	38520.2	94.8
0°-90°	40637.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	40637.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	44608	
5°	43547	###
15°	35451	9813
25°	22426	10276
35°	11795	7452
45°	5720	4493
55°	2633	2428
65°	1329	1337
75°	606	652
85°	90	129
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	44608
1°	44545
2°	44424
3°	44207
4°	43914
5°	43547
6°	43101
7°	42548
8°	41922
9°	41228
10°	40465
11°	39588
12°	38640
13°	37614
14°	36591
15°	35451
17.5°	32423
20°	29113
22.5°	25725
25°	22426
27.5°	19331
30°	16493
32.5°	13968
35°	11795
37.5°	9920
40°	8312
42.5°	6897
45°	5720
47.5°	4730
50°	3887
52.5°	3192
55°	2633
57.5°	2207
60°	1853
62.5°	1564
65°	1329
67.5°	1114
70°	957
72.5°	764
75°	606
77.5°	469
80°	310
82.5°	194
85°	90
87.5°	35



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)