

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: G2-1902-155-42

Luminaire Tested: **G8-W-PC-300-5000**

Test Date: 03/10/19

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1902-155-42  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/10/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: G8-W-PC-300-5000  
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3, 5000K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

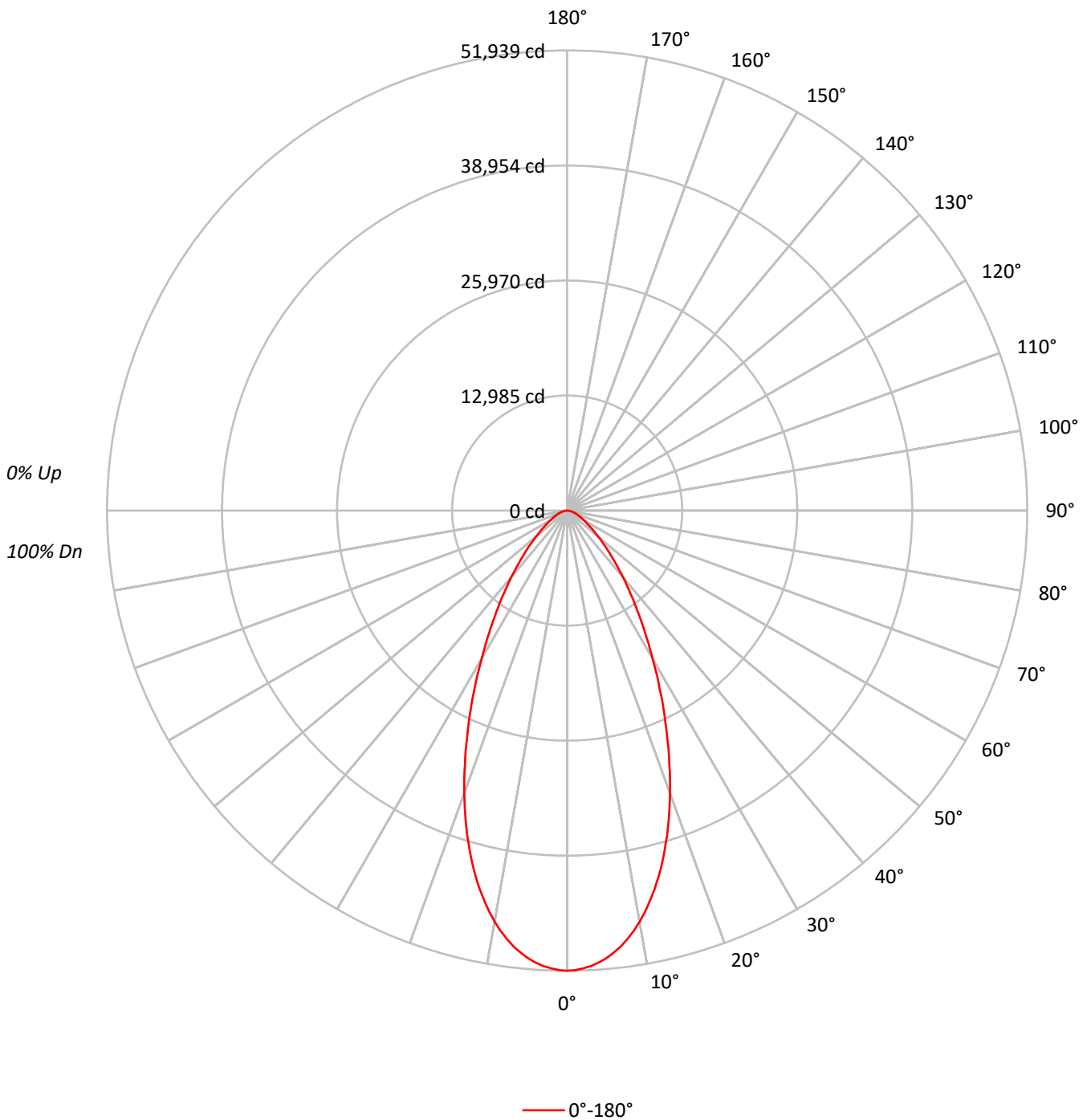
Lumens per Lamp: N/A  
Luminaire Lumens: 47553.3 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.8  
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 430.4  
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	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	84	83
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75
4	94	85	79	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	62	82	72	66	61	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	57	53	73	63	57	53	62	57	53	61	56	52	60	56	52	51
9	71	60	54	49	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	44

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

	0°
0°	464679
5°	455533
10°	428141
15°	382586
20°	323460
25°	258752
30°	199268
35°	151311
40°	113835
45°	85290
50°	63594
55°	48510
60°	38649
65°	33173
70°	28722
75°	25027
80°	20300
85°	11394



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4727.3	9.9
10°-20°	11436.2	24.0
20°-30°	12004.6	25.2
30°-40°	8742.4	18.4
40°-50°	5288.9	11.1
50°-60°	2857.5	6.0
60°-70°	1573.4	3.3
70°-80°	765.3	1.6
80°-90°	157.7	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°	28168.1	59.2
0°-40°	36910.5	77.6
0°-60°	45056.9	94.8
0°-90°	47553.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	47553.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	51939	
5°	50723	###
15°	41306	11436
25°	26212	12005
35°	13854	8742
45°	6741	5289
55°	3110	2857
65°	1567	1573
75°	724	765
85°	111	158
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	51939
1°	51879
2°	51708
3°	51481
4°	51144
5°	50723
6°	50197
7°	49573
8°	48849
9°	48034
10°	47128
11°	46103
12°	45013
13°	43848
14°	42617
15°	41306
17.5°	37785
20°	33974
22.5°	30012
25°	26212
27.5°	22611
30°	19289
32.5°	16382
35°	13854
37.5°	11654
40°	9747
42.5°	8132
45°	6741
47.5°	5568
50°	4569
52.5°	3766
55°	3110
57.5°	2591
60°	2160
62.5°	1835
65°	1567
67.5°	1336
70°	1098
72.5°	893
75°	724
77.5°	541
80°	394
82.5°	240
85°	111
87.5°	32



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)