

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: G2-1810-991-26

Luminaire Tested: **G8-N-PC-500-5600**

Test Date: 10/27/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-26  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 10/27/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: G8-N-PC-500-5600  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 5, 5600K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

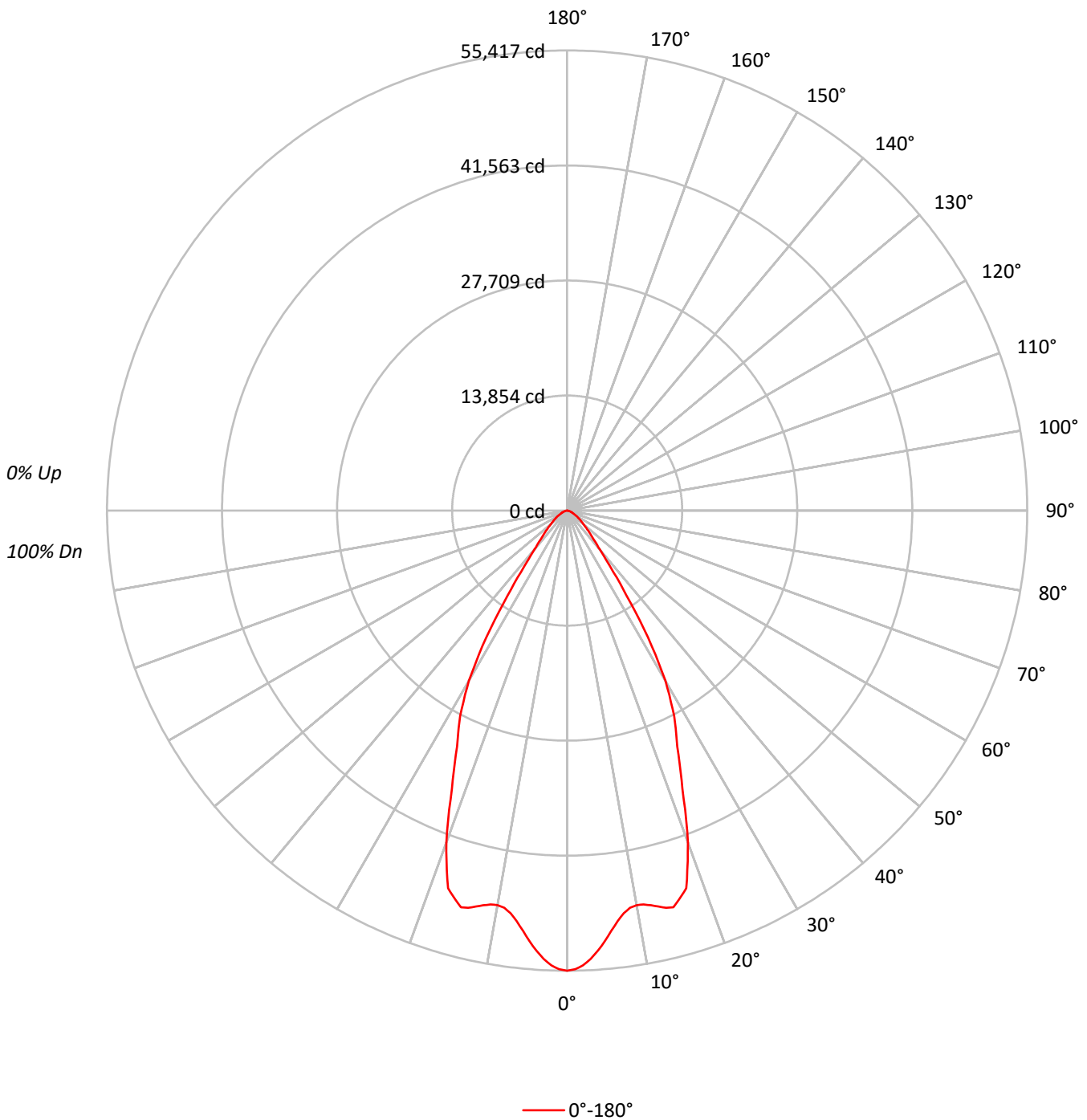
Lumens per Lamp: N/A  
Luminaire Lumens: 47219.4 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.84  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 398.4  
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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	82	76	72	89	81	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	62	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	65	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

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

	0°
0°	473259
5°	446314
10°	418375
15°	437172
20°	386542
25°	295471
30°	233254
35°	129900
40°	67680
45°	46534
50°	34503
55°	27053
60°	21982
65°	17075
70°	13408
75°	10757
80°	9000
85°	6271



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4820.1	10.2
10°-20°	13497.2	28.6
20°-30°	14633.5	31.0
30°-40°	8235.2	17.4
40°-50°	3080.6	6.5
50°-60°	1660.5	3.5
60°-70°	857.1	1.8
70°-80°	352.0	0.7
80°-90°	83.1	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°	32950.9	69.8
0°-40°	41186.1	87.2
0°-60°	45927.2	97.3
0°-90°	47219.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	47219.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	55417	
5°	52063	###
15°	49447	13497
25°	31357	14634
35°	12460	8235
45°	3853	3081
55°	1817	1661
65°	845	857
75°	326	352
85°	64	83
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	55417
1°	55247
2°	54797
3°	54075
4°	53141
5°	52063
6°	50900
7°	49811
8°	48964
9°	48432
10°	48246
11°	48319
12°	48594
13°	48949
14°	49300
15°	49447
17.5°	47706
20°	42533
22.5°	36234
25°	31357
27.5°	27885
30°	23654
32.5°	18098
35°	12460
37.5°	8443
40°	6071
42.5°	4751
45°	3853
47.5°	3157
50°	2597
52.5°	2164
55°	1817
57.5°	1530
60°	1287
62.5°	1045
65°	845
67.5°	671
70°	537
72.5°	407
75°	326
77.5°	243
80°	183
82.5°	111
85°	64
87.5°	39



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)