

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: G2-1810-991-9

Luminaire Tested: **G8-N-PC-440-4000**

Test Date: 10/24/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-9  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 10/24/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: G8-N-PC-440-4000  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4.4, 4000K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

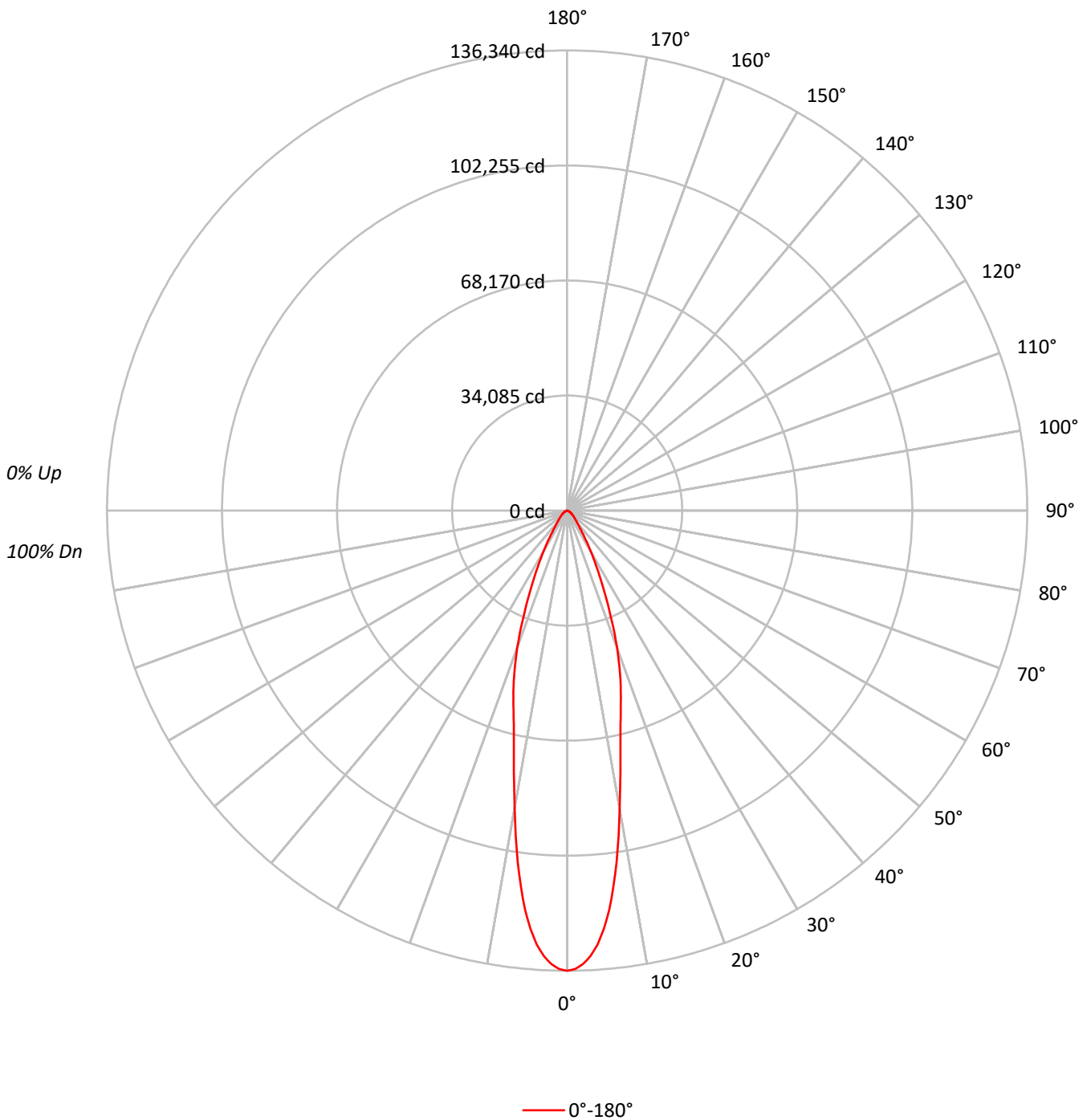
Lumens per Lamp: N/A  
Luminaire Lumens: 49768.6 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.53  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 392.9  
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	84	76	70	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59

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

	0°
0°	1164338
5°	1067192
10°	776751
15°	541914
20°	392658
25°	237973
30°	138489
35°	76397
40°	48974
45°	37597
50°	29295
55°	23182
60°	18515
65°	14206
70°	11261
75°	9140
80°	7574
85°	5781



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10726.0	21.6
10°-20°	17237.3	34.6
20°-30°	11911.7	23.9
30°-40°	4948.3	9.9
40°-50°	2440.8	4.9
50°-60°	1415.6	2.8
60°-70°	722.9	1.5
70°-80°	300.2	0.6
80°-90°	65.8	0.1
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°	39875.0	80.1
0°-40°	44823.3	90.1
0°-60°	48679.7	97.8
0°-90°	49768.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49768.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	136340	
5°	124489	###
15°	61294	17237
25°	25255	11912
35°	7328	4948
45°	3113	2441
55°	1557	1416
65°	703	723
75°	277	300
85°	59	66
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	136340
1°	135846
2°	134477
3°	132195
4°	128907
5°	124489
6°	118990
7°	112402
8°	105152
9°	97371
10°	89573
11°	82383
12°	75898
13°	70206
14°	65376
15°	61294
17.5°	52491
20°	43206
22.5°	33600
25°	25255
27.5°	18887
30°	14044
32.5°	10198
35°	7328
37.5°	5509
40°	4393
42.5°	3688
45°	3113
47.5°	2625
50°	2205
52.5°	1841
55°	1557
57.5°	1311
60°	1084
62.5°	893
65°	703
67.5°	566
70°	451
72.5°	361
75°	277
77.5°	199
80°	154
82.5°	86
85°	59
87.5°	20



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°  
          0

(END OF REPORT)