

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: G2-1810-991-11

Luminaire Tested: **G8-N-PC-460-4000**

Test Date: 10/24/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-11  
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-460-4000  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4.6, 4000K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

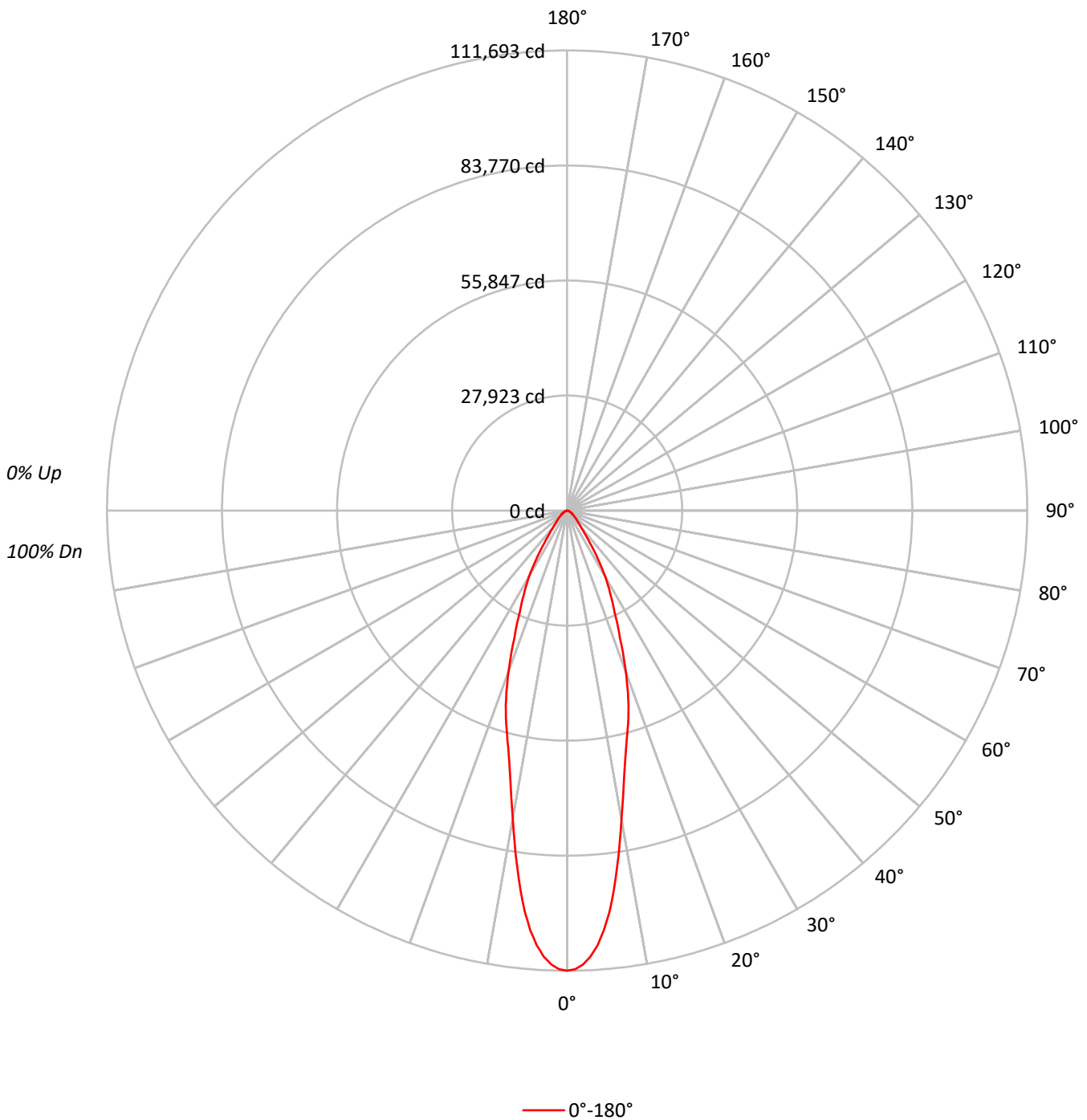
Lumens per Lamp: N/A  
Luminaire Lumens: 49495.9 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.57  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 390.7  
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	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	84		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	65	63	61
9	79	70	64	60	78	69	64	60	68	63	60		67	63	60		66	62	60	58
10	75	66	61	57	74	66	61	57	65	60	57		64	60	57		64	60	57	56

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

	0°
0°	953854
5°	877061
10°	659761
15°	498238
20°	378517
25°	256847
30°	182342
35°	101960
40°	58260
45°	42319
50°	31939
55°	25118
60°	20462
65°	16146
70°	12759
75°	10196
80°	8557
85°	7251



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8882.6	17.9
10°-20°	15725.3	31.8
20°-30°	12834.8	25.9
30°-40°	6501.5	13.1
40°-50°	2765.8	5.6
50°-60°	1546.1	3.1
60°-70°	808.5	1.6
70°-80°	343.5	0.7
80°-90°	87.9	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°	37442.7	75.6
0°-40°	43944.2	88.8
0°-60°	48256.0	97.5
0°-90°	49495.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49495.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	111693	
5°	102310	###
15°	56354	15725
25°	27258	12835
35°	9780	6501
45°	3504	2766
55°	1687	1546
65°	799	808
75°	309	343
85°	74	88
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	111693
1°	111316
2°	110238
3°	108411
4°	105797
5°	102310
6°	98021
7°	92889
8°	87295
9°	81577
10°	76082
11°	70962
12°	66380
13°	62493
14°	59206
15°	56354
17.5°	49561
20°	41650
22.5°	33550
25°	27258
27.5°	22684
30°	18491
32.5°	13894
35°	9780
37.5°	6922
40°	5226
42.5°	4221
45°	3504
47.5°	2896
50°	2404
52.5°	2022
55°	1687
57.5°	1429
60°	1198
62.5°	983
65°	799
67.5°	639
70°	511
72.5°	401
75°	309
77.5°	251
80°	174
82.5°	128
85°	74
87.5°	34



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)