

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: G2-1810-991-19

Luminaire Tested: **G8-N-PC-380-5600**

Test Date: 10/25/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-19  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 10/25/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: G8-N-PC-380-5600  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.8, 5600K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

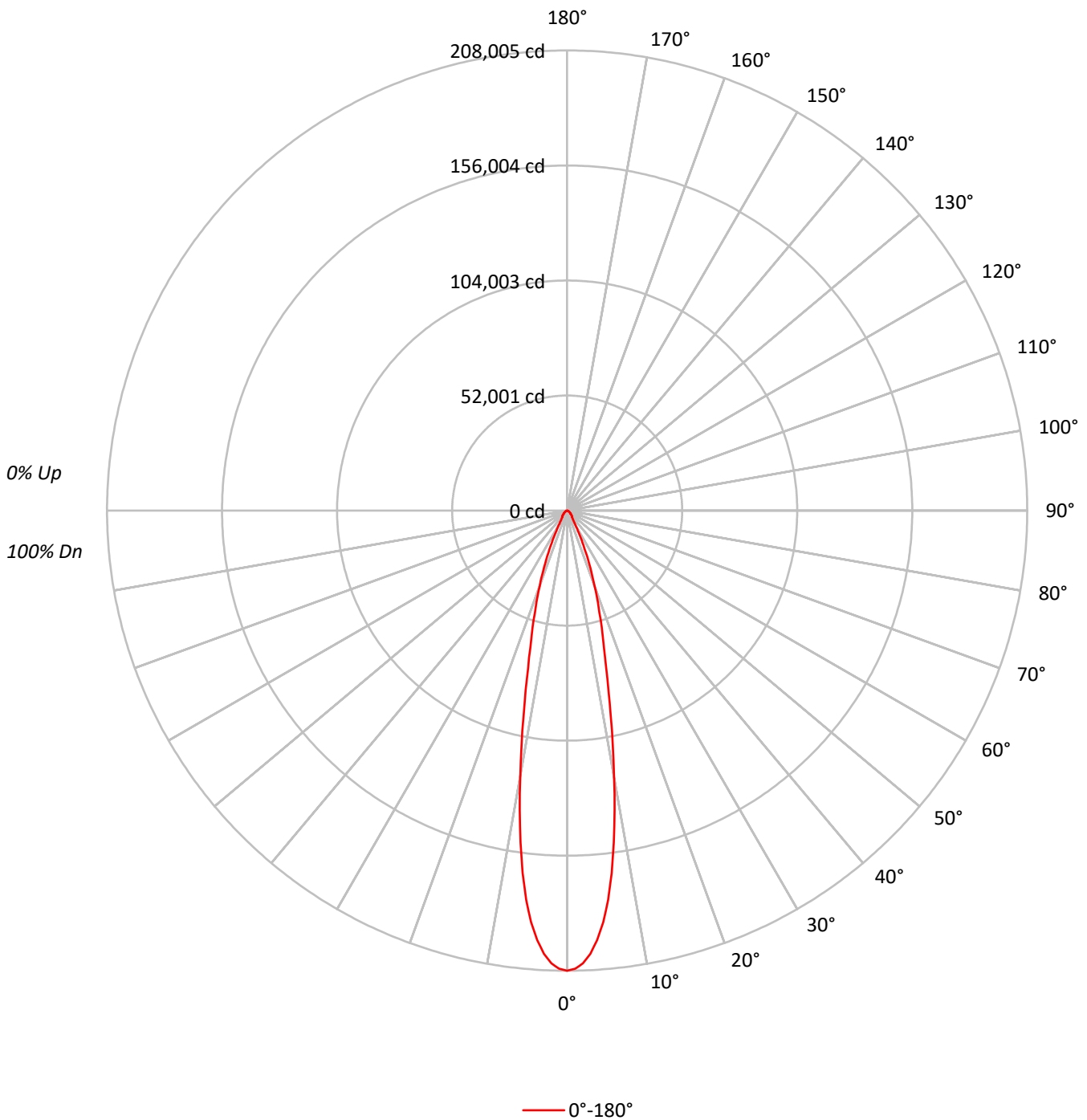
Lumens per Lamp: N/A  
Luminaire Lumens: 49688.7 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 416  
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	88	83	79	93	87	82	79	85	81	79	84	81	78	83	80	78	76
7	92	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	74
8	89	81	76	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71
9	86	78	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69
10	83	76	71	68	83	76	71	68	75	71	68	74	71	68	73	70	68	67

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

	0°
0°	1776355
5°	1600930
10°	1061018
15°	569675
20°	329305
25°	163420
30°	71513
35°	43443
40°	36967
45°	31461
50°	24911
55°	20055
60°	16482
65°	12488
70°	9913
75°	7985
80°	6836
85°	2940



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15707.1	31.6
10°-20°	18576.4	37.4
20°-30°	8406.2	16.9
30°-40°	2826.0	5.7
40°-50°	1994.6	4.0
50°-60°	1223.5	2.5
60°-70°	633.2	1.3
70°-80°	263.5	0.5
80°-90°	58.3	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°	42689.6	85.9
0°-40°	45515.6	91.6
0°-60°	48733.7	98.1
0°-90°	49688.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49688.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	208005	
5°	186750	###
15°	64434	18576
25°	17343	8406
35°	4167	2826
45°	2605	1995
55°	1347	1224
65°	618	633
75°	242	263
85°	30	58
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	208005
1°	207158
2°	204725
3°	200594
4°	194645
5°	186750
6°	176868
7°	164973
8°	151493
9°	137081
10°	122354
11°	108073
12°	94811
13°	83137
14°	72843
15°	64434
17.5°	48479
20°	36235
22.5°	25855
25°	17343
27.5°	11122
30°	7252
32.5°	5162
35°	4167
37.5°	3660
40°	3316
42.5°	2974
45°	2605
47.5°	2208
50°	1875
52.5°	1589
55°	1347
57.5°	1134
60°	965
62.5°	774
65°	618
67.5°	493
70°	397
72.5°	312
75°	242
77.5°	178
80°	139
82.5°	101
85°	30
87.5°	14



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)