

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: G2-1810-991-6

Luminaire Tested: **G8-N-PC-380-4000**

Test Date: 10/22/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-6  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 10/22/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: G8-N-PC-380-4000  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.8, 4000K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

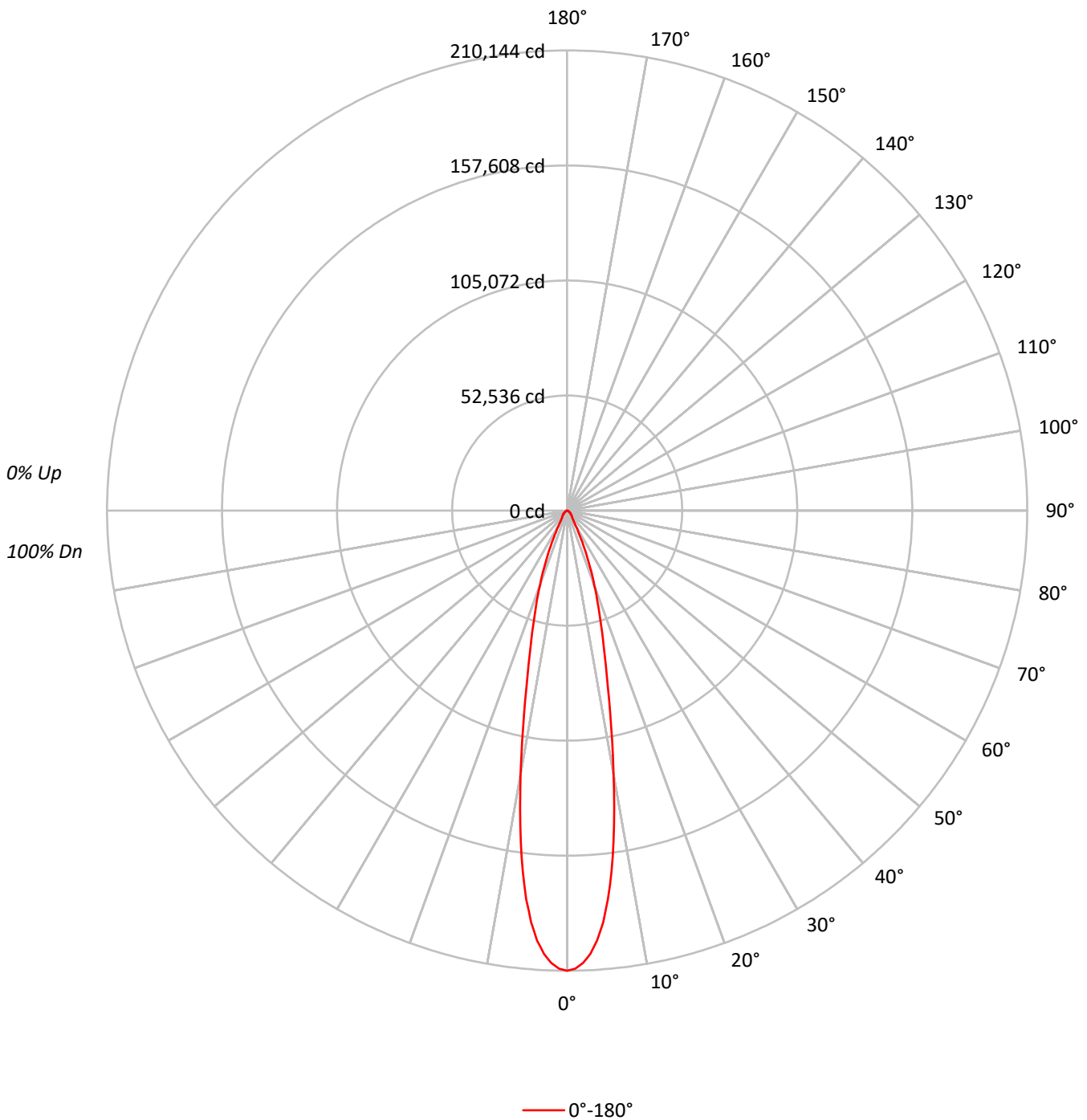
Lumens per Lamp: N/A  
Luminaire Lumens: 49788.5 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.4  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 407.4  
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	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	87	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	82	79		84	81	78		83	80	78	76
7	92	84	79	76	90	84	79	76	82	78	76		81	78	75		80	77	75	74
8	89	81	77	73	88	81	76	73	80	76	73		79	75	73		78	75	72	71
9	86	78	74	71	85	78	74	71	77	73	70		76	73	70		76	72	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

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

	0°
0°	1794622
5°	1617535
10°	1060402
15°	570020
20°	330105
25°	163476
30°	71779
35°	43411
40°	37001
45°	31413
50°	24805
55°	19936
60°	16175
65°	12225
70°	9488
75°	8348
80°	6147
85°	2940



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15820.4	31.8
10°-20°	18564.8	37.3
20°-30°	8431.4	16.9
30°-40°	2830.7	5.7
40°-50°	1997.8	4.0
50°-60°	1214.3	2.4
60°-70°	618.9	1.2
70°-80°	259.9	0.5
80°-90°	50.4	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°	42816.6	86.0
0°-40°	45647.3	91.7
0°-60°	48859.3	98.1
0°-90°	49788.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49788.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	210144	
5°	188687	###
15°	64473	18565
25°	17349	8431
35°	4164	2831
45°	2601	1998
55°	1339	1214
65°	605	619
75°	253	260
85°	30	50
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	210144
1°	209189
2°	206759
3°	202723
4°	196795
5°	188687
6°	178451
7°	166210
8°	152397
9°	137410
10°	122283
11°	107672
12°	94581
13°	82858
14°	72834
15°	64473
17.5°	48527
20°	36323
22.5°	25972
25°	17349
27.5°	11170
30°	7279
32.5°	5170
35°	4164
37.5°	3671
40°	3319
42.5°	2993
45°	2601
47.5°	2213
50°	1867
52.5°	1565
55°	1339
57.5°	1137
60°	947
62.5°	761
65°	605
67.5°	479
70°	380
72.5°	302
75°	253
77.5°	179
80°	125
82.5°	86
85°	30
87.5°	7



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)