

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: G2-1902-155-28

Luminaire Tested: **G8-W-PC-350-3000**

Test Date: 03/09/19

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1902-155-28  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/09/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: G8-W-PC-350-3000  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.5, 3000K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

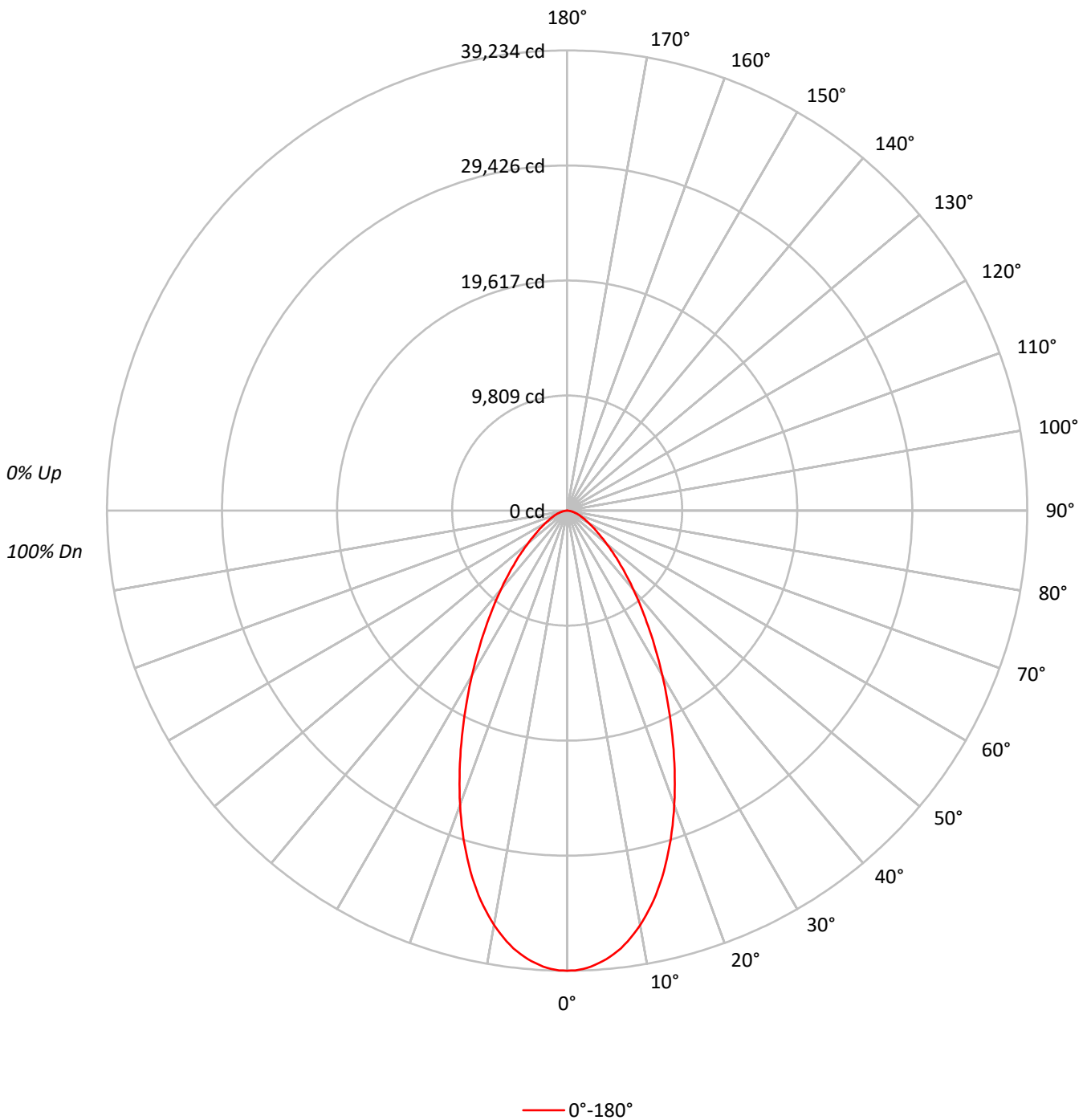
Lumens per Lamp: N/A  
Luminaire Lumens: 39755.2 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.84  
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 396.8  
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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	59	55	65	59	54		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51		59	54	50		58	54	50	49
9	69	58	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

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

	0°
0°	351012
5°	344809
10°	326048
15°	294993
20°	254244
25°	209414
30°	167605
35°	131499
40°	102612
45°	79204
50°	60740
55°	47153
60°	38095
65°	31945
70°	27126
75°	22469
80°	17981
85°	10984



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3585.2	9.0
10°-20°	8835.0	22.2
20°-30°	9721.4	24.5
30°-40°	7581.9	19.1
40°-50°	4894.4	12.3
50°-60°	2772.0	7.0
60°-70°	1515.5	3.8
70°-80°	702.9	1.8
80°-90°	146.9	0.4
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°	22141.6	55.7
0°-40°	29723.4	74.8
0°-60°	37389.8	94.1
0°-90°	39755.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	39755.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	39234	
5°	38394	###
15°	31849	8835
25°	21214	9721
35°	12040	7582
45°	6260	4894
55°	3023	2772
65°	1509	1516
75°	650	703
85°	107	147
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	39234
1°	39209
2°	39106
3°	38937
4°	38679
5°	38394
6°	38027
7°	37601
8°	37087
9°	36510
10°	35890
11°	35177
12°	34438
13°	33625
14°	32752
15°	31849
17.5°	29383
20°	26704
22.5°	23940
25°	21214
27.5°	18626
30°	16224
32.5°	14006
35°	12040
37.5°	10305
40°	8786
42.5°	7449
45°	6260
47.5°	5237
50°	4364
52.5°	3630
55°	3023
57.5°	2544
60°	2129
62.5°	1792
65°	1509
67.5°	1251
70°	1037
72.5°	838
75°	650
77.5°	487
80°	349
82.5°	223
85°	107
87.5°	36



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)