

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: G2-1902-155-60

Luminaire Tested: **G8-W-PC-AMBER**

Test Date: 03/11/19

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1902-155-60  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/11/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: G8-W-PC-AMBER  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. AMBER LED MAX OUTPUT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

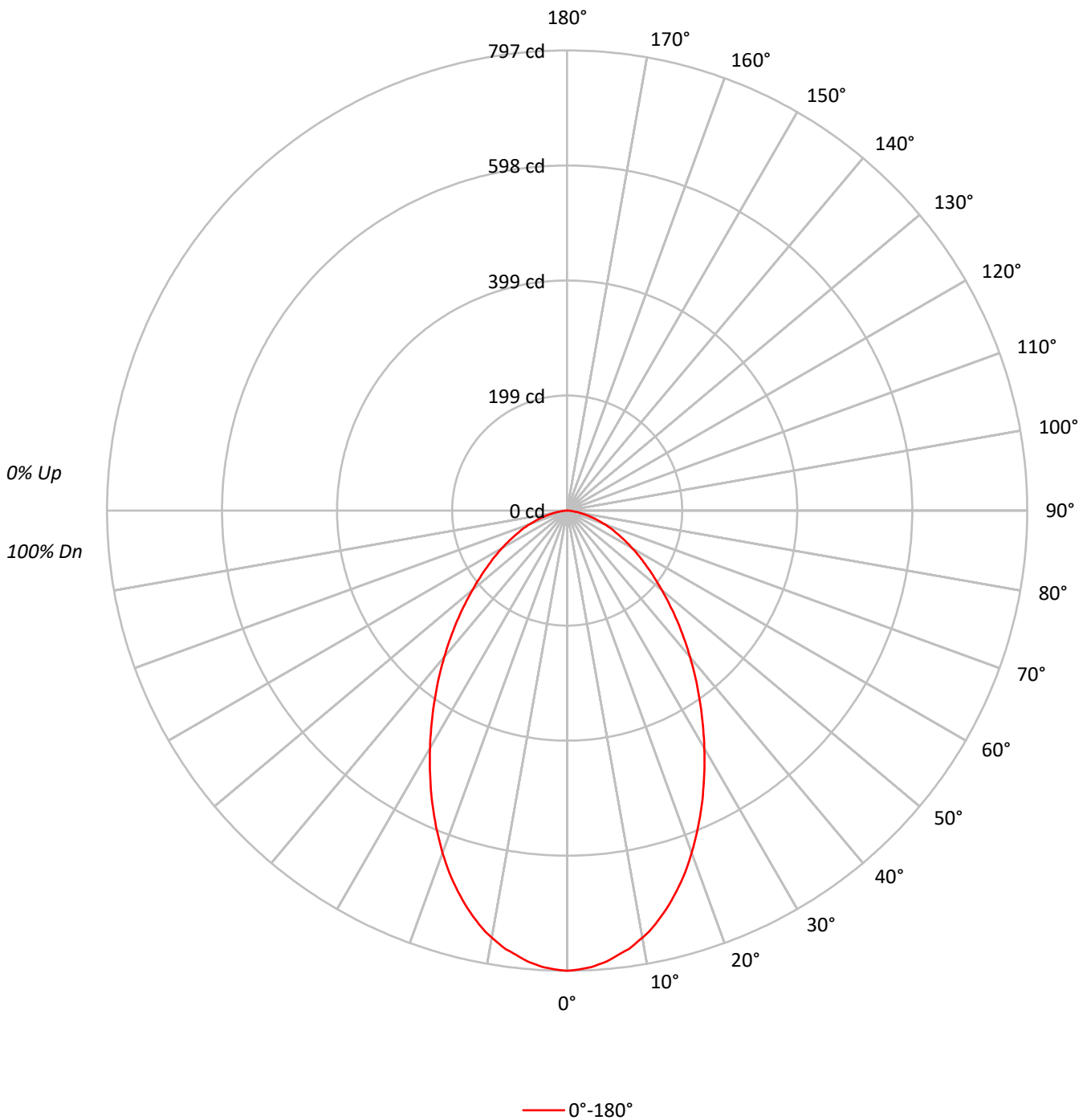
Lumens per Lamp: N/A  
Luminaire Lumens: 1286.0 lumens  
Efficiency: N/A  
Efficacy: 36.1 lumens/watt  
Spacing Criteria (0/90/45): 0.96 / 0.96 / 1.04  
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.6  
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	111	107	103	100	108	105	101	98	100	98	95		97	94	92		93	91	90	88
2	102	95	90	85	100	94	88	84	90	86	82		87	83	80		84	81	78	76
3	95	86	79	73	92	84	78	72	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	63	74	67	63		71	66	62		69	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	51	74	63	56	50	62	55	50		60	54	50		59	53	49	47
7	71	59	51	46	70	58	51	45	57	50	45		55	49	45		54	49	45	43
8	67	54	47	42	65	54	46	41	53	46	41		51	45	41		50	45	41	39
9	63	51	43	38	61	50	43	38	49	42	38		48	42	38		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	35	33

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

	0°
0°	7130
5°	7041
10°	6823
15°	6474
20°	6008
25°	5469
30°	4907
35°	4369
40°	3866
45°	3404
50°	2979
55°	2620
60°	2326
65°	2053
70°	1805
75°	1486
80°	1133
85°	719



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.8	5.7
10°-20°	195.6	15.2
20°-30°	254.1	19.8
30°-40°	250.3	19.5
40°-50°	208.0	16.2
50°-60°	151.6	11.8
60°-70°	97.0	7.5
70°-80°	46.5	3.6
80°-90°	9.2	0.7
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°	523.4	40.7
0°-40°	773.8	60.2
0°-60°	1133.3	88.1
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	797	
5°	784	74
15°	699	196
25°	554	254
35°	400	250
45°	269	208
55°	168	152
65°	97	97
75°	43	46
85°	7	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	797
1°	796
2°	794
3°	792
4°	788
5°	784
6°	778
7°	772
8°	767
9°	759
10°	751
11°	743
12°	733
13°	722
14°	711
15°	699
17.5°	667
20°	631
22.5°	593
25°	554
27.5°	514
30°	475
32.5°	437
35°	400
37.5°	365
40°	331
42.5°	299
45°	269
47.5°	240
50°	214
52.5°	190
55°	168
57.5°	149
60°	130
62.5°	113
65°	97
67.5°	83
70°	69
72.5°	56
75°	43
77.5°	32
80°	22
82.5°	13
85°	7
87.5°	3



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)