

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: G2-1810-991-60

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

Test Date: 11/07/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-60
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/07/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-AMBER
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. AMBER LED MAX OUTPUT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

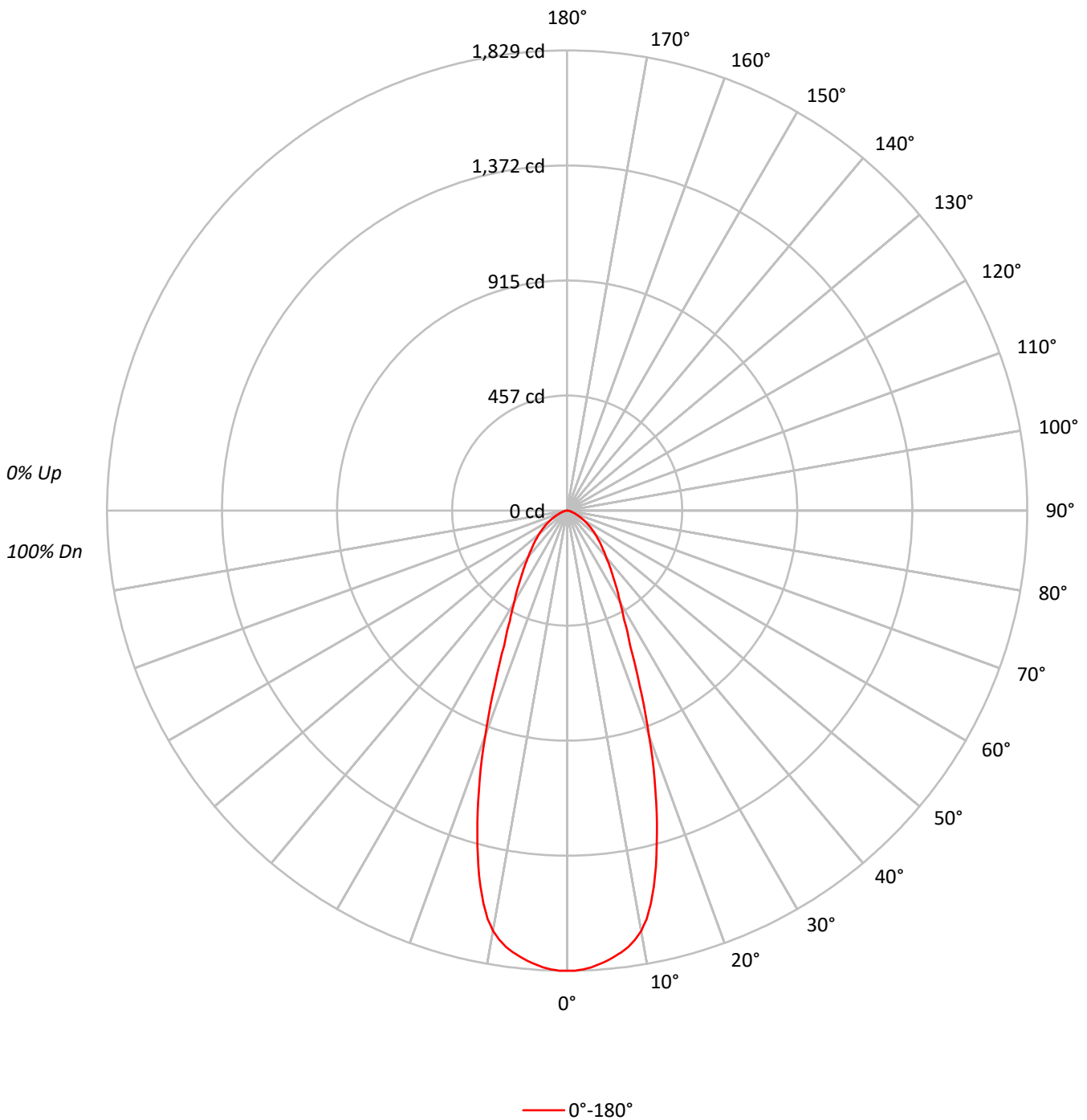
Lumens per Lamp: N/A
Luminaire Lumens: 1346.9 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.65
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 35.6
Input Voltage (V): NR
Input Current (A_{in}): 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	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	82	88	84	80	86	82	79	83	80	78	76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65
6	84	74	68	63	83	74	67	63	72	66	62	71	66	62	69	65	62	60
7	80	70	63	59	78	69	63	58	68	62	58	66	62	58	65	61	57	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	56	52	71	62	56	51	61	55	51	60	55	51	59	54	51	49
10	69	59	53	49	68	58	52	49	57	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	15620
5°	15405
10°	14707
15°	12174
20°	8652
25°	5597
30°	4152
35°	3294
40°	2676
45°	2271
50°	1940
55°	1623
60°	1315
65°	1010
70°	774
75°	594
80°	443
85°	392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	12.5
10°-20°	374.4	27.8
20°-30°	285.0	21.2
30°-40°	200.0	14.8
40°-50°	146.2	10.9
50°-60°	98.0	7.3
60°-70°	50.8	3.8
70°-80°	19.5	1.4
80°-90°	4.5	0.3
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°	828.0	61.5
0°-40°	1028.0	76.3
0°-60°	1272.1	94.4
0°-90°	1346.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1346.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1829	
5°	1797	169
15°	1377	374
25°	594	285
35°	316	200
45°	188	146
55°	109	98
65°	50	51
75°	18	19
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1829
1°	1829
2°	1825
3°	1818
4°	1808
5°	1797
6°	1784
7°	1769
8°	1751
9°	1727
10°	1696
11°	1654
12°	1598
13°	1533
14°	1459
15°	1377
17.5°	1168
20°	952
22.5°	751
25°	594
27.5°	493
30°	421
32.5°	365
35°	316
37.5°	276
40°	240
42.5°	213
45°	188
47.5°	166
50°	146
52.5°	127
55°	109
57.5°	92
60°	77
62.5°	63
65°	50
67.5°	39
70°	31
72.5°	23
75°	18
77.5°	13
80°	9
82.5°	6
85°	4
87.5°	2



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)