

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: G2-1810-991-22

Luminaire Tested: **G8-N-PC-440-5600**

Test Date: 10/26/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-22
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/26/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-440-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4.4, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

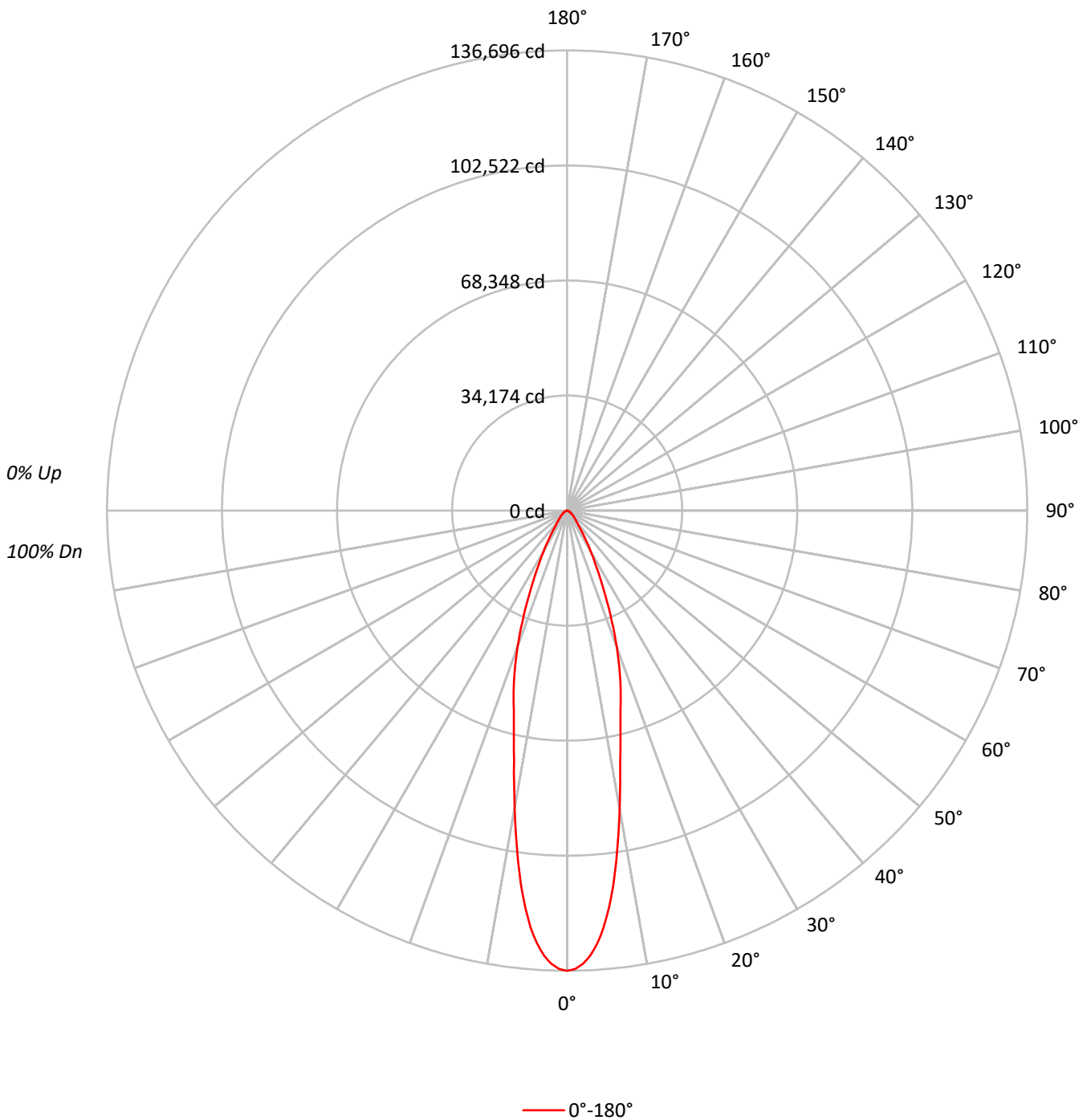
Lumens per Lamp: N/A
Luminaire Lumens: 49781.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.53
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 399.6
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	94	87	82	78	85	81	77	83	79	77	82	78	76	75
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	68
8	84	76	70	67	83	75	70	67	74	70	66	73	69	66	72	68	66	64
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1167379
5°	1065915
10°	777757
15°	541392
20°	391613
25°	236955
30°	138262
35°	76595
40°	49063
45°	37669
50°	29388
55°	23316
60°	19078
65°	14549
70°	11835
75°	9536
80°	8016
85°	7251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10719.3	21.5
10°-20°	17229.8	34.6
20°-30°	11877.7	23.9
30°-40°	4944.7	9.9
40°-50°	2446.2	4.9
50°-60°	1422.5	2.9
60°-70°	744.5	1.5
70°-80°	314.7	0.6
80°-90°	81.8	0.2
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°	39826.7	80.0
0°-40°	44771.4	89.9
0°-60°	48640.1	97.7
0°-90°	49781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49781.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	136696	
5°	124340	###
15°	61235	17230
25°	25147	11878
35°	7347	4945
45°	3119	2446
55°	1566	1423
65°	720	744
75°	289	315
85°	74	82
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	136696
1°	136182
2°	134724
3°	132295
4°	128868
5°	124340
6°	118754
7°	112226
8°	104959
9°	97347
10°	89689
11°	82496
12°	75973
13°	70330
14°	65428
15°	61235
17.5°	52381
20°	43091
22.5°	33528
25°	25147
27.5°	18834
30°	14021
32.5°	10153
35°	7347
37.5°	5515
40°	4401
42.5°	3705
45°	3119
47.5°	2623
50°	2212
52.5°	1854
55°	1566
57.5°	1300
60°	1117
62.5°	913
65°	720
67.5°	588
70°	474
72.5°	371
75°	289
77.5°	216
80°	163
82.5°	114
85°	74
87.5°	31



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)