

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: G2-1902-155-25

Luminaire Tested: **G8-W-PC-480-5600**

Test Date: 03/08/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-25
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/08/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-480-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.8, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

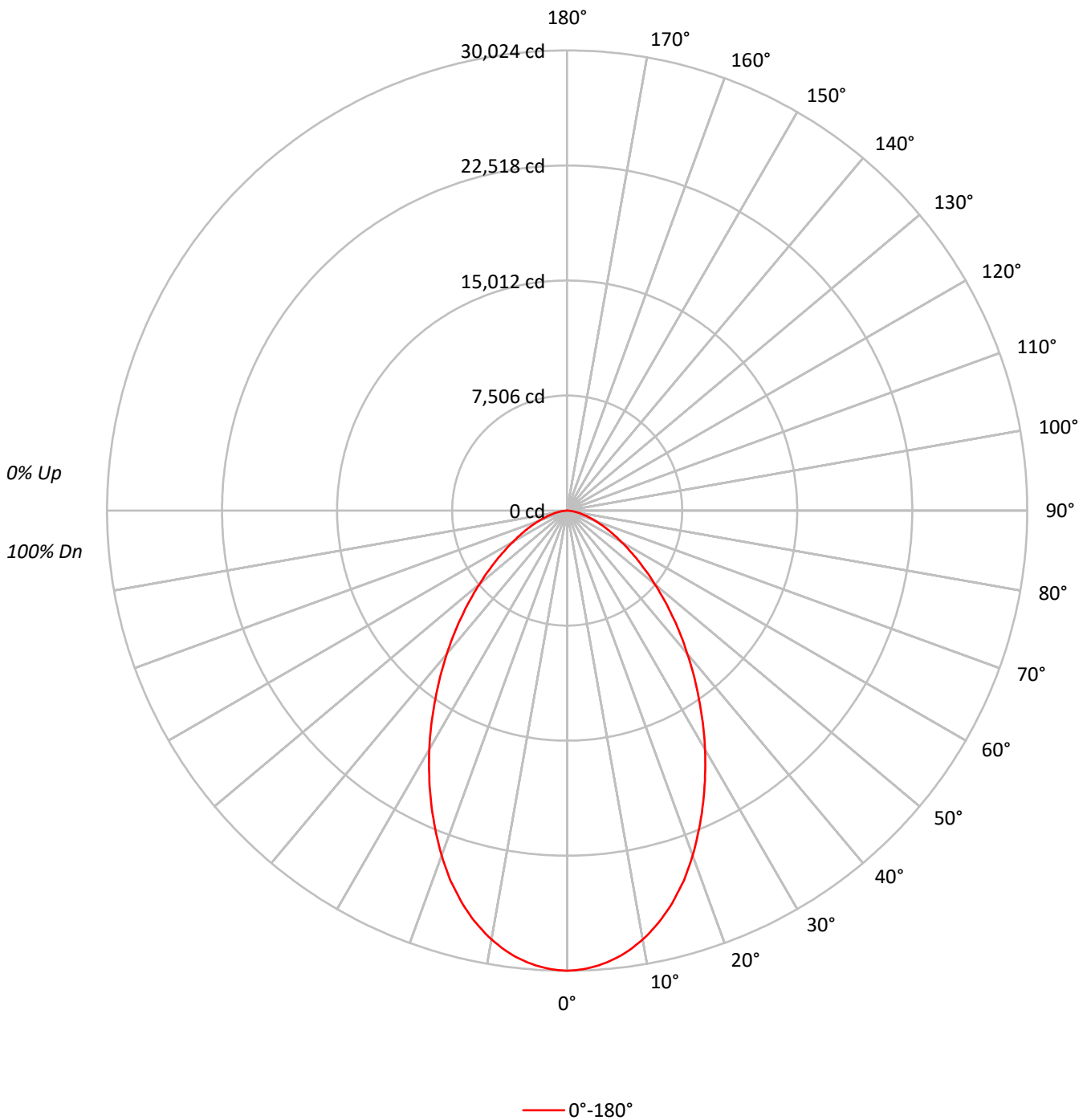
Lumens per Lamp: N/A
Luminaire Lumens: 46219.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 1.04
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 384.6
Input Voltage (V): NR
Input Current (Ain): 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	104	101	109	105	102	99	101	98	96	97	95	93	94	92	90	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	96	87	80	75	93	85	79	74	83	77	73	80	75	72	77	74	70	69
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	55
6	77	66	58	52	75	65	57	52	63	57	52	62	56	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	43	39	48	43	39	37
10	60	48	41	37	59	48	41	36	47	41	36	46	40	36	45	40	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	268614
5°	265814
10°	258104
15°	245431
20°	228014
25°	207391
30°	185890
35°	163685
40°	142542
45°	122653
50°	103818
55°	87224
60°	73022
65°	61455
70°	51218
75°	41757
80°	31274
85°	18888



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2787.7	6.0
10°-20°	7414.3	16.0
20°-30°	9634.8	20.8
30°-40°	9374.6	20.3
40°-50°	7498.5	16.2
50°-60°	5049.8	10.9
60°-70°	2909.5	6.3
70°-80°	1298.0	2.8
80°-90°	251.9	0.5
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°	19836.7	42.9
0°-40°	29211.3	63.2
0°-60°	41759.6	90.4
0°-90°	46219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	46219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30024	
5°	29598	###
15°	26498	7414
25°	21009	9635
35°	14987	9375
45°	9694	7498
55°	5592	5050
65°	2903	2910
75°	1208	1298
85°	184	252
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	30024
1°	29996
2°	29945
3°	29853
4°	29738
5°	29598
6°	29421
7°	29219
8°	28984
9°	28709
10°	28411
11°	28088
12°	27726
13°	27349
14°	26937
15°	26498
17.5°	25312
20°	23949
22.5°	22486
25°	21009
27.5°	19494
30°	17994
32.5°	16478
35°	14987
37.5°	13579
40°	12205
42.5°	10934
45°	9694
47.5°	8530
50°	7459
52.5°	6490
55°	5592
57.5°	4792
60°	4081
62.5°	3452
65°	2903
67.5°	2404
70°	1958
72.5°	1552
75°	1208
77.5°	885
80°	607
82.5°	377
85°	184
87.5°	62



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)