

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: G2-1902-155-34

Luminaire Tested: **G8-W-PC-400-3500**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-34
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-400-3500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4, 3500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

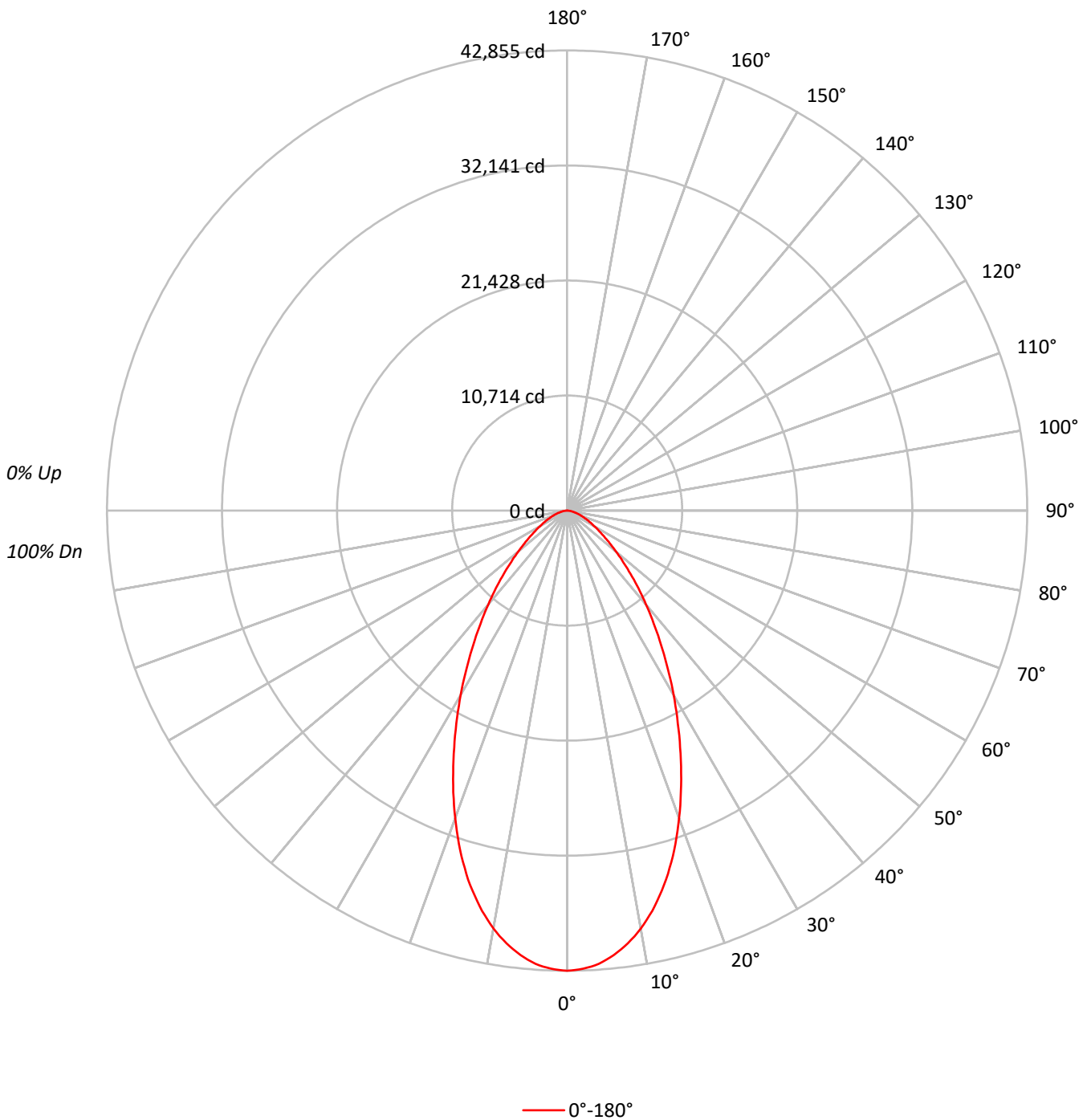
Lumens per Lamp: N/A
Luminaire Lumens: 48362.4 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.89
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 423.4
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	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	62	60
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	50
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	383408
5°	377149
10°	359034
15°	329680
20°	290356
25°	246590
30°	204692
35°	166044
40°	133257
45°	105521
50°	82912
55°	65340
60°	52803
65°	43292
70°	36412
75°	30039
80°	23648
85°	15398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3929.6	8.1
10°-20°	9895.7	20.5
20°-30°	11451.3	23.7
30°-40°	9556.5	19.8
40°-50°	6507.4	13.5
50°-60°	3820.5	7.9
60°-70°	2067.3	4.3
70°-80°	938.9	1.9
80°-90°	195.1	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°	25276.7	52.3
0°-40°	34833.2	72.0
0°-60°	45161.1	93.4
0°-90°	48362.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48362.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	42855	
5°	41995	###
15°	35594	9896
25°	24980	11451
35°	15203	9557
45°	8340	6507
55°	4189	3820
65°	2045	2067
75°	869	939
85°	150	195
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	42855
1°	42800
2°	42698
3°	42538
4°	42302
5°	41995
6°	41632
7°	41186
8°	40695
9°	40134
10°	39521
11°	38837
12°	38103
13°	37304
14°	36467
15°	35594
17.5°	33178
20°	30497
22.5°	27747
25°	24980
27.5°	22335
30°	19814
32.5°	17448
35°	15203
37.5°	13243
40°	11410
42.5°	9816
45°	8340
47.5°	7070
50°	5957
52.5°	4992
55°	4189
57.5°	3513
60°	2951
62.5°	2462
65°	2045
67.5°	1692
70°	1392
72.5°	1116
75°	869
77.5°	653
80°	459
82.5°	280
85°	150
87.5°	58



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)