

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: G2-1902-155-16

Luminaire Tested: **G8-W-PC-340-5600**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-16
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/07/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-W-PC-340-5600
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.4, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

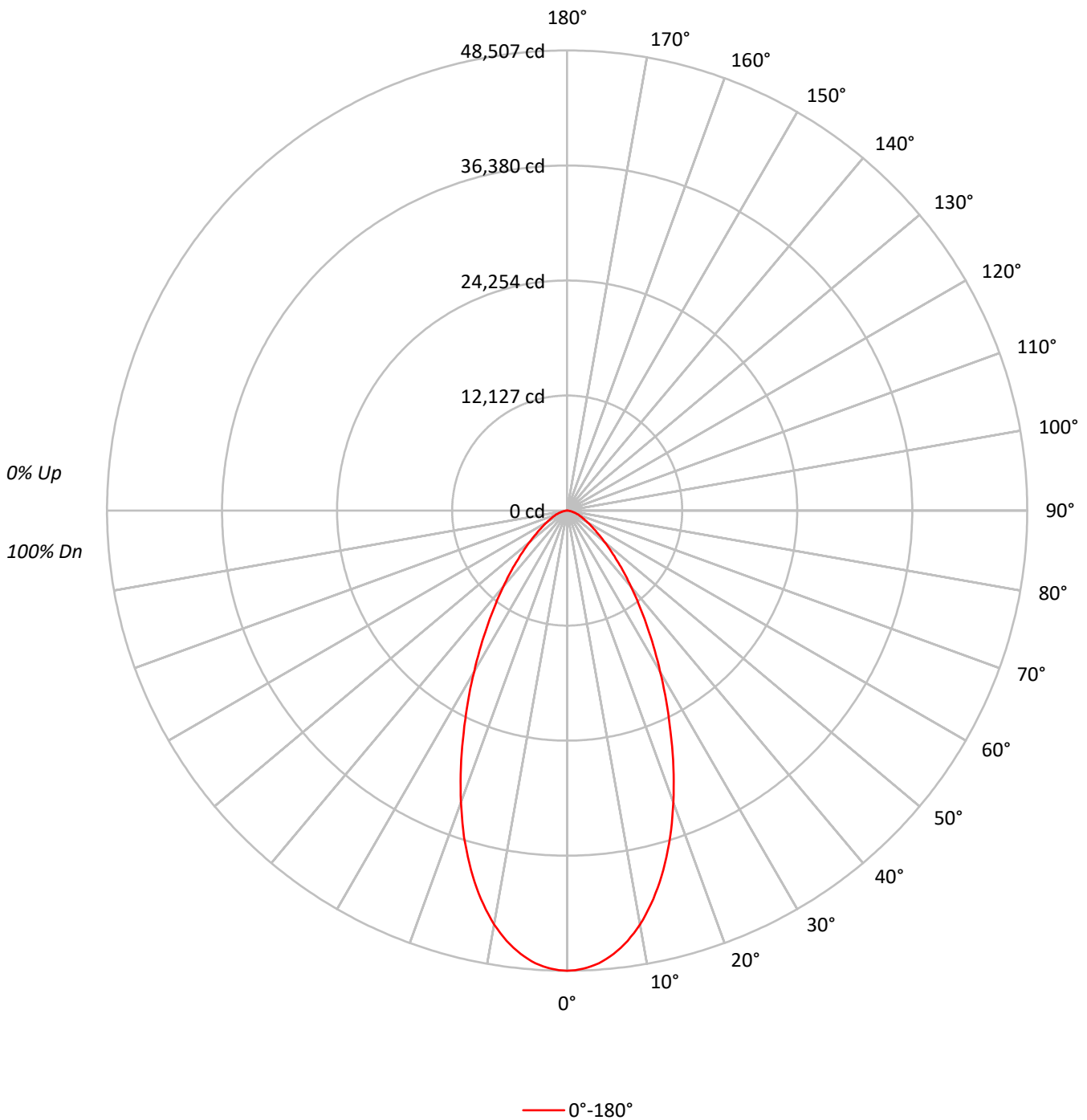
Lumens per Lamp: N/A
Luminaire Lumens: 48073.5 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.84
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 427.9
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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	95	91	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57
7	78	67	60	55	76	66	60	55	65	59	55	64	59	55	63	58	54	53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	48	57	52	48	56	51	47	55	51	47	46
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	433974
5°	426094
10°	402423
15°	363154
20°	311521
25°	254725
30°	202502
35°	157995
40°	122361
45°	93869
50°	71583
55°	55622
60°	44679
65°	37174
70°	32044
75°	26548
80°	20403
85°	12010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4428.6	9.2
10°-20°	10870.9	22.6
20°-30°	11836.2	24.6
30°-40°	9116.3	19.0
40°-50°	5801.5	12.1
50°-60°	3261.3	6.8
60°-70°	1776.0	3.7
70°-80°	825.5	1.7
80°-90°	157.1	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°	27135.7	56.4
0°-40°	36252.1	75.4
0°-60°	45314.9	94.3
0°-90°	48073.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48073.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	48507	
5°	47445	###
15°	39208	10871
25°	25804	11836
35°	14466	9116
45°	7419	5802
55°	3566	3261
65°	1756	1776
75°	768	826
85°	117	157
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	48507
1°	48463
2°	48323
3°	48119
4°	47832
5°	47445
6°	46981
7°	46431
8°	45806
9°	45080
10°	44297
11°	43412
12°	42448
13°	41418
14°	40339
15°	39208
17.5°	36119
20°	32720
22.5°	29273
25°	25804
27.5°	22595
30°	19602
32.5°	16902
35°	14466
37.5°	12351
40°	10477
42.5°	8831
45°	7419
47.5°	6195
50°	5143
52.5°	4278
55°	3566
57.5°	2977
60°	2497
62.5°	2099
65°	1756
67.5°	1473
70°	1225
72.5°	988
75°	768
77.5°	567
80°	396
82.5°	236
85°	117
87.5°	27



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)