

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: G2-1902-155-17

Luminaire Tested: **G8-W-PC-350-5600**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-17
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-350-5600
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.5, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

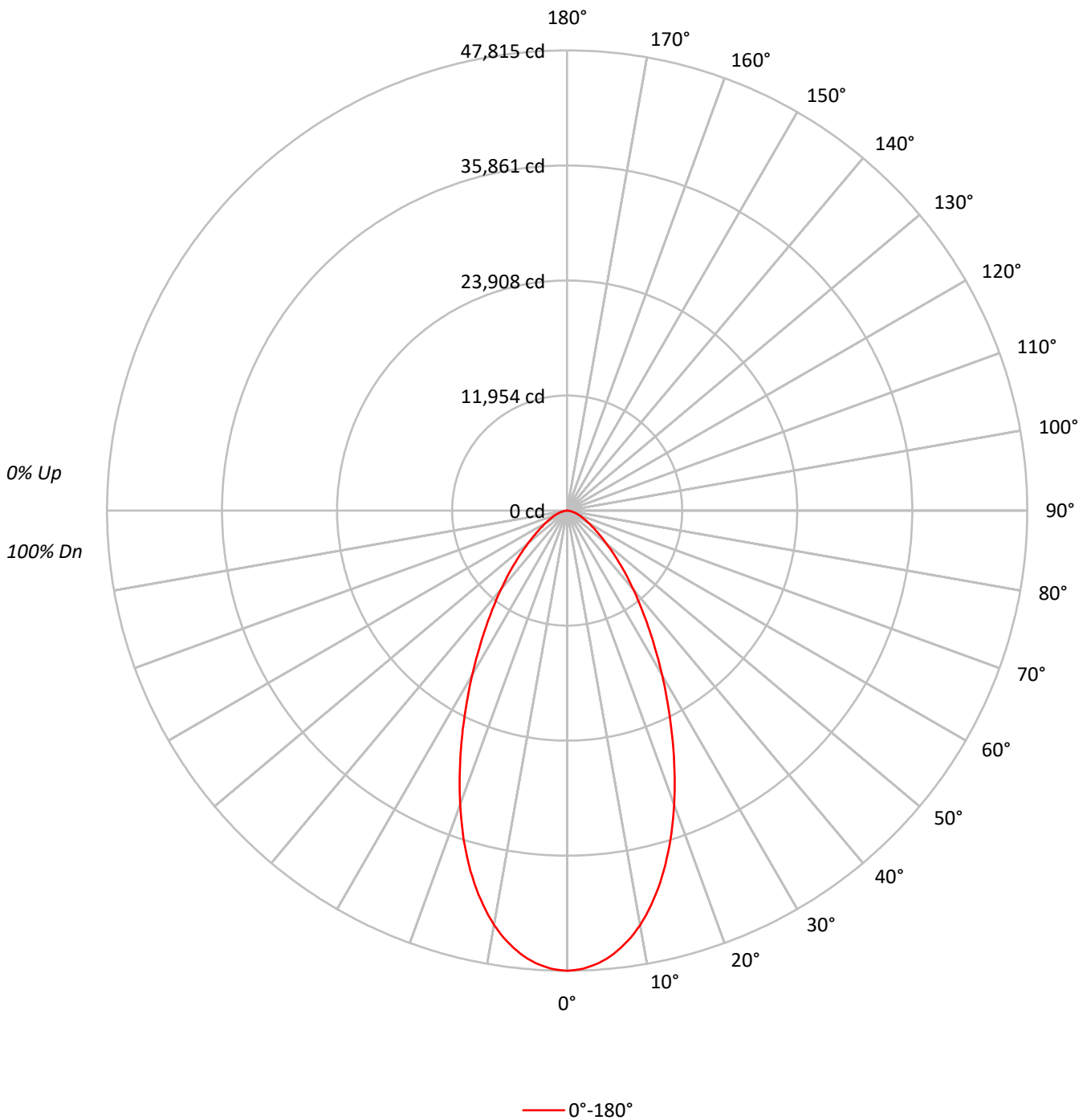
Lumens per Lamp: N/A
Luminaire Lumens: 48281.4 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.84
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 423.2
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	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	71	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	66	62	58	57
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	58	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	427783
5°	419978
10°	397163
15°	359217
20°	309388
25°	254823
30°	203649
35°	159743
40°	124720
45°	96412
50°	73726
55°	57307
60°	46004
65°	38317
70°	32593
75°	27101
80°	20300
85°	8623



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4366.3	9.0
10°-20°	10758.0	22.3
20°-30°	11823.2	24.5
30°-40°	9217.3	19.1
40°-50°	5949.8	12.3
50°-60°	3359.2	7.0
60°-70°	1824.5	3.8
70°-80°	838.8	1.7
80°-90°	144.3	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°	26947.5	55.8
0°-40°	36164.8	74.9
0°-60°	45473.8	94.2
0°-90°	48281.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48281.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	47815	
5°	46764	###
15°	38783	10758
25°	25814	11823
35°	14626	9217
45°	7620	5950
55°	3674	3359
65°	1810	1824
75°	784	839
85°	84	144
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	47815
1°	47754
2°	47627
3°	47399
4°	47117
5°	46764
6°	46296
7°	45767
8°	45167
9°	44490
10°	43718
11°	42868
12°	41925
13°	40945
14°	39890
15°	38783
17.5°	35776
20°	32496
22.5°	29147
25°	25814
27.5°	22618
30°	19713
32.5°	17037
35°	14626
37.5°	12535
40°	10679
42.5°	9058
45°	7620
47.5°	6359
50°	5297
52.5°	4410
55°	3674
57.5°	3063
60°	2571
62.5°	2155
65°	1810
67.5°	1512
70°	1246
72.5°	997
75°	784
77.5°	583
80°	394
82.5°	231
85°	84
87.5°	19



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)