

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: G2-1902-155-36

Luminaire Tested: **G8-W-PC-500-3500**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-36
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/09/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-W-PC-500-3500
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 5, 3500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

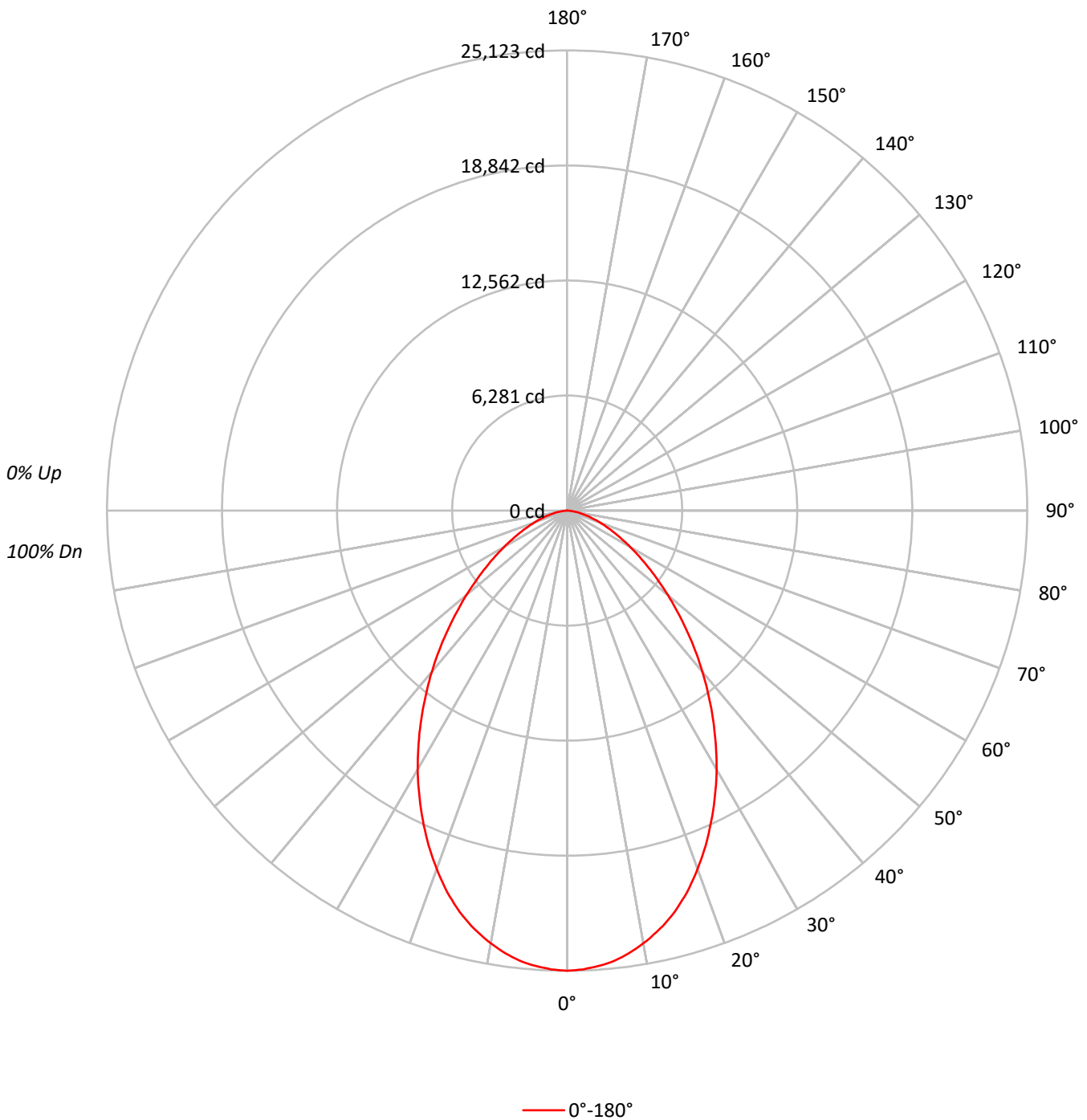
Lumens per Lamp: N/A
Luminaire Lumens: 42258.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.09
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 369.3
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	111	107	104	101	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63		72	67	63		70	66	62	60
5	82	71	63	57	80	70	62	57	68	61	56		66	60	56		64	59	55	53
6	76	65	57	51	75	64	56	51	62	56	51		61	55	50		59	54	50	48
7	71	59	52	46	70	59	51	46	57	51	46		56	50	45		55	49	45	43
8	67	55	47	42	66	54	47	42	53	46	42		52	46	41		51	45	41	39
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	224766
5°	223002
10°	217941
15°	210095
20°	198223
25°	184074
30°	168628
35°	151595
40°	134297
45°	116630
50°	99990
55°	84525
60°	71215
65°	59825
70°	49648
75°	40271
80°	30398
85°	16835



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2343.2	5.5
10°-20°	6354.3	15.0
20°-30°	8558.2	20.3
30°-40°	8665.4	20.5
40°-50°	7127.4	16.9
50°-60°	4886.8	11.6
60°-70°	2831.2	6.7
70°-80°	1253.6	3.0
80°-90°	237.9	0.6
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°	17255.8	40.8
0°-40°	25921.1	61.3
0°-60°	37935.3	89.8
0°-90°	42258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	42258.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25123	
5°	24831	###
15°	22683	6354
25°	18647	8558
35°	13880	8665
45°	9218	7127
55°	5419	4887
65°	2826	2831
75°	1165	1254
85°	164	238
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	25123
1°	25096
2°	25064
3°	24987
4°	24921
5°	24831
6°	24708
7°	24566
8°	24390
9°	24198
10°	23990
11°	23760
12°	23521
13°	23268
14°	22976
15°	22683
17.5°	21829
20°	20820
22.5°	19779
25°	18647
27.5°	17491
30°	16323
32.5°	15103
35°	13880
37.5°	12660
40°	11499
42.5°	10334
45°	9218
47.5°	8156
50°	7184
52.5°	6251
55°	5419
57.5°	4658
60°	3980
62.5°	3364
65°	2826
67.5°	2333
70°	1898
72.5°	1500
75°	1165
77.5°	850
80°	590
82.5°	351
85°	164
87.5°	65



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)