

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: G2-1902-155-27

Luminaire Tested: **G8-W-PC-300-3000**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-27
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-300-3000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3, 3000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

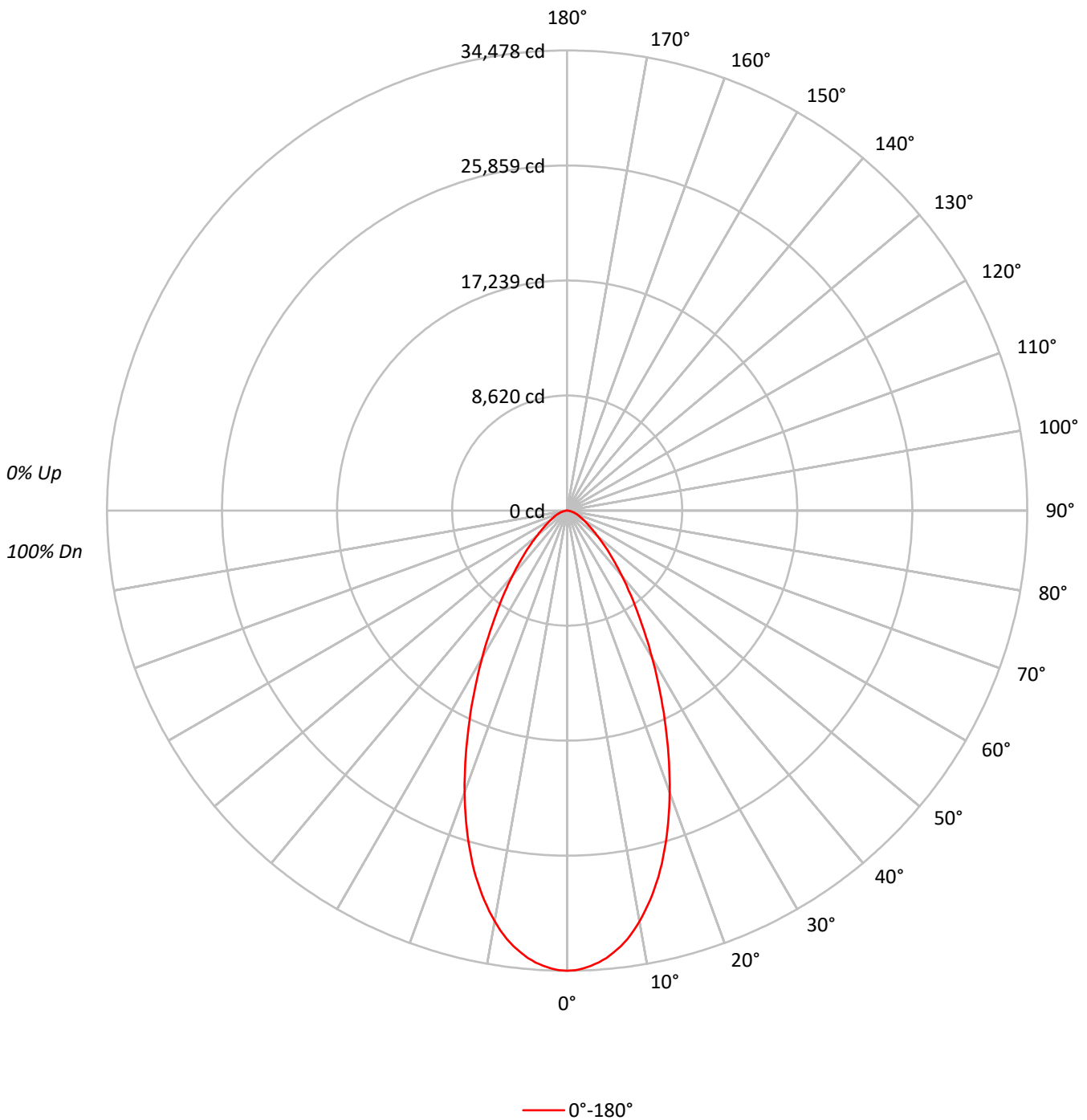
Lumens per Lamp: N/A
Luminaire Lumens: 31317.8 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.8
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 325.7
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	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	82	97	91	85	81	88	83	80		85	82	78		83	80	77	75
4	94	85	79	74	92	84	78	73	82	76	72		79	75	72		77	74	71	69
5	88	79	72	67	87	78	72	67	76	70	66		74	69	66		73	68	65	63
6	83	73	67	62	82	73	66	62	71	65	61		69	64	61		68	64	60	59
7	79	69	62	57	77	68	61	57	66	61	57		65	60	56		64	59	56	54
8	75	64	58	53	73	64	57	53	62	57	53		61	56	52		60	56	52	51
9	71	60	54	50	70	60	54	49	59	53	49		58	53	49		57	52	49	47
10	67	57	51	46	66	57	50	46	56	50	46		55	50	46		54	49	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	308462
5°	302330
10°	283913
15°	253832
20°	213847
25°	170748
30°	131417
35°	99017
40°	74290
45°	55557
50°	41324
55°	31648
60°	25498
65°	21699
70°	18860
75°	16419
80°	12829
85°	6159



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3136.8	10.0
10°-20°	7578.3	24.2
20°-30°	7922.6	25.3
30°-40°	5730.6	18.3
40°-50°	3447.0	11.0
50°-60°	1866.6	6.0
60°-70°	1030.9	3.3
70°-80°	508.1	1.6
80°-90°	96.9	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°	18637.7	59.5
0°-40°	24368.3	77.8
0°-60°	29681.9	94.8
0°-90°	31317.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31317.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	34478	
5°	33664	###
15°	27405	7578
25°	17297	7923
35°	9066	5731
45°	4391	3447
55°	2029	1867
65°	1025	1031
75°	475	508
85°	60	97
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	34478
1°	34451
2°	34328
3°	34161
4°	33938
5°	33664
6°	33293
7°	32901
8°	32417
9°	31875
10°	31252
11°	30572
12°	29857
13°	29081
14°	28264
15°	27405
17.5°	25015
20°	22461
22.5°	19830
25°	17297
27.5°	14894
30°	12721
32.5°	10753
35°	9066
37.5°	7622
40°	6361
42.5°	5304
45°	4391
47.5°	3628
50°	2969
52.5°	2458
55°	2029
57.5°	1697
60°	1425
62.5°	1206
65°	1025
67.5°	868
70°	721
72.5°	600
75°	475
77.5°	368
80°	249
82.5°	153
85°	60
87.5°	19



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)