

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: G2-1902-155-3

Luminaire Tested: **G8-W-PC-340-4000**

Test Date: 03/06/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-3
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/06/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-340-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.4, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48468.8 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.83
Luminous Opening: Rectangular (W 1.21' x L: 1.38' x H: 0')
CIE Type: Direct

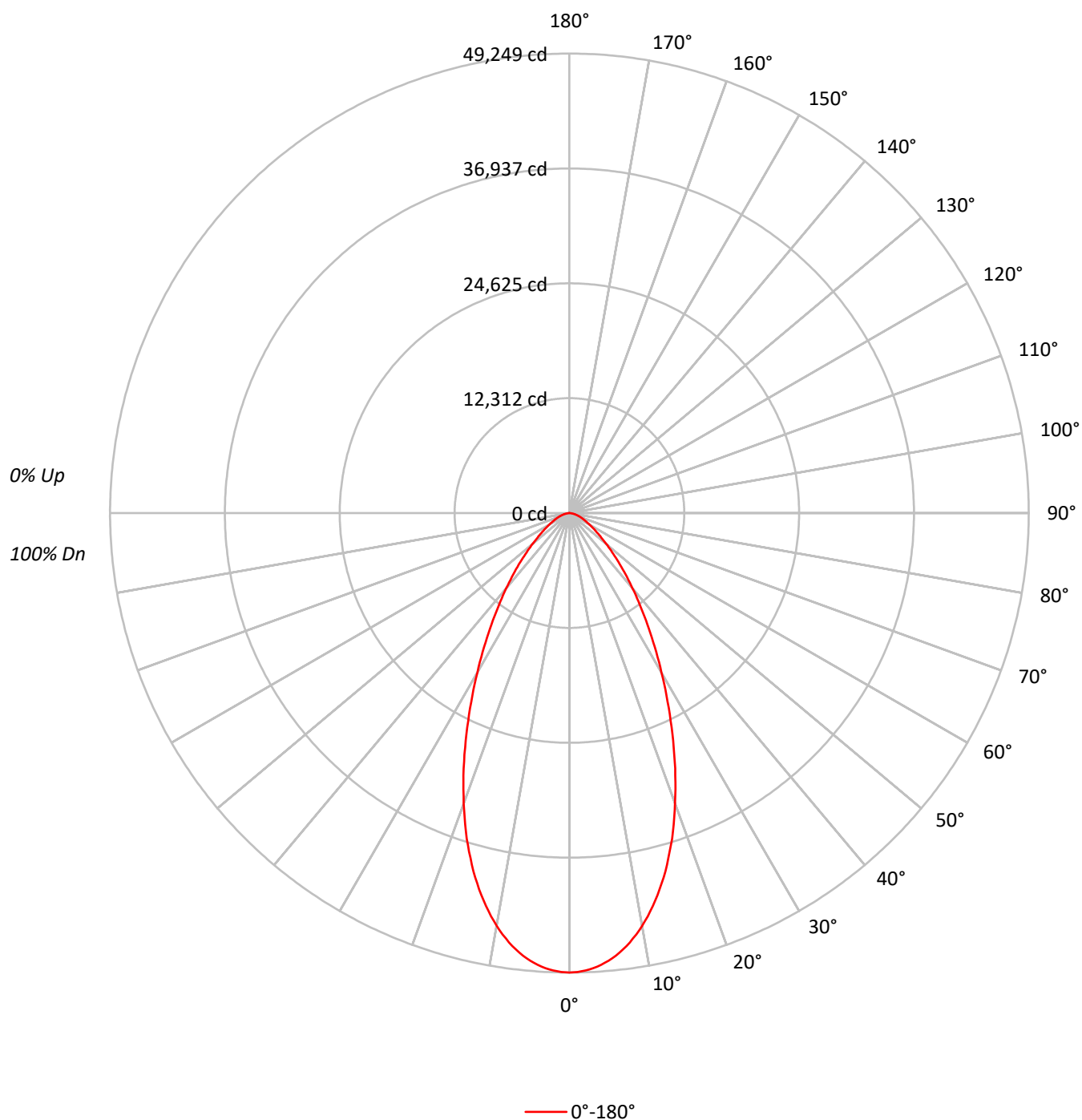
Input Watts (W): 417.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	112	109	106	103	110	107	104	102	103	100	98		99	97	96		91
2	105	99	95	91	103	98	93	90	94	91	88		91	88	86		82
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		74
4	93	84	77	73	91	83	77	72	81	75	71		78	74	70		68
5	87	78	71	66	86	77	70	66	75	69	65		73	68	64		62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		57
7	78	67	60	56	76	66	60	55	65	59	55		64	59	55		53
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		49
9	70	59	52	48	69	58	52	48	57	52	48		57	51	47		46
10	66	56	49	45	65	55	49	45	54	49	45		53	48	44		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319064
5°	313188
10°	295501
15°	266535
20°	228383
25°	186529
30°	147582
35°	115003
40°	88987
45°	68148
50°	51836
55°	40177
60°	32354
65°	26796
70°	23053
75°	18974
80°	14998
85°	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4494.5	9.3
10°-20°	11018.4	22.7
20°-30°	11957.7	24.7
30°-40°	9164.8	18.9
40°-50°	5823.5	12.0
50°-60°	3258.3	6.7
60°-70°	1770.5	3.7
70°-80°	825.8	1.7
80°-90°	155.2	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°	27470.7	56.7
0°-40°	36635.5	75.6
0°-60°	45717.2	94.3
0°-90°	48468.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48468.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	49249	
5°	48158	###
15°	39739	11018
25°	26094	11958
35°	14541	9165
45°	7438	5823
55°	3557	3258
65°	1748	1771
75°	758	826
85°	99	155
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	49249
1°	49210
2°	49067
3°	48846
4°	48554
5°	48158
6°	47689
7°	47135
8°	46483
9°	45739
10°	44919
11°	44026
12°	43048
13°	42016
14°	40899
15°	39739
17.5°	36599
20°	33126
22.5°	29611
25°	26094
27.5°	22785
30°	19728
32.5°	16996
35°	14541
37.5°	12411
40°	10522
42.5°	8888
45°	7438
47.5°	6213
50°	5143
52.5°	4280
55°	3557
57.5°	2971
60°	2497
62.5°	2090
65°	1748
67.5°	1472
70°	1217
72.5°	991
75°	758
77.5°	576
80°	402
82.5°	236
85°	99
87.5°	35



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CANDELA DISTRIBUTION (continued):

90° | ——— 0°
 0

(END OF REPORT)