

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: G2-1902-155-19

Luminaire Tested: **G8-W-PC-380-5600**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-19
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/07/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-380-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.8, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

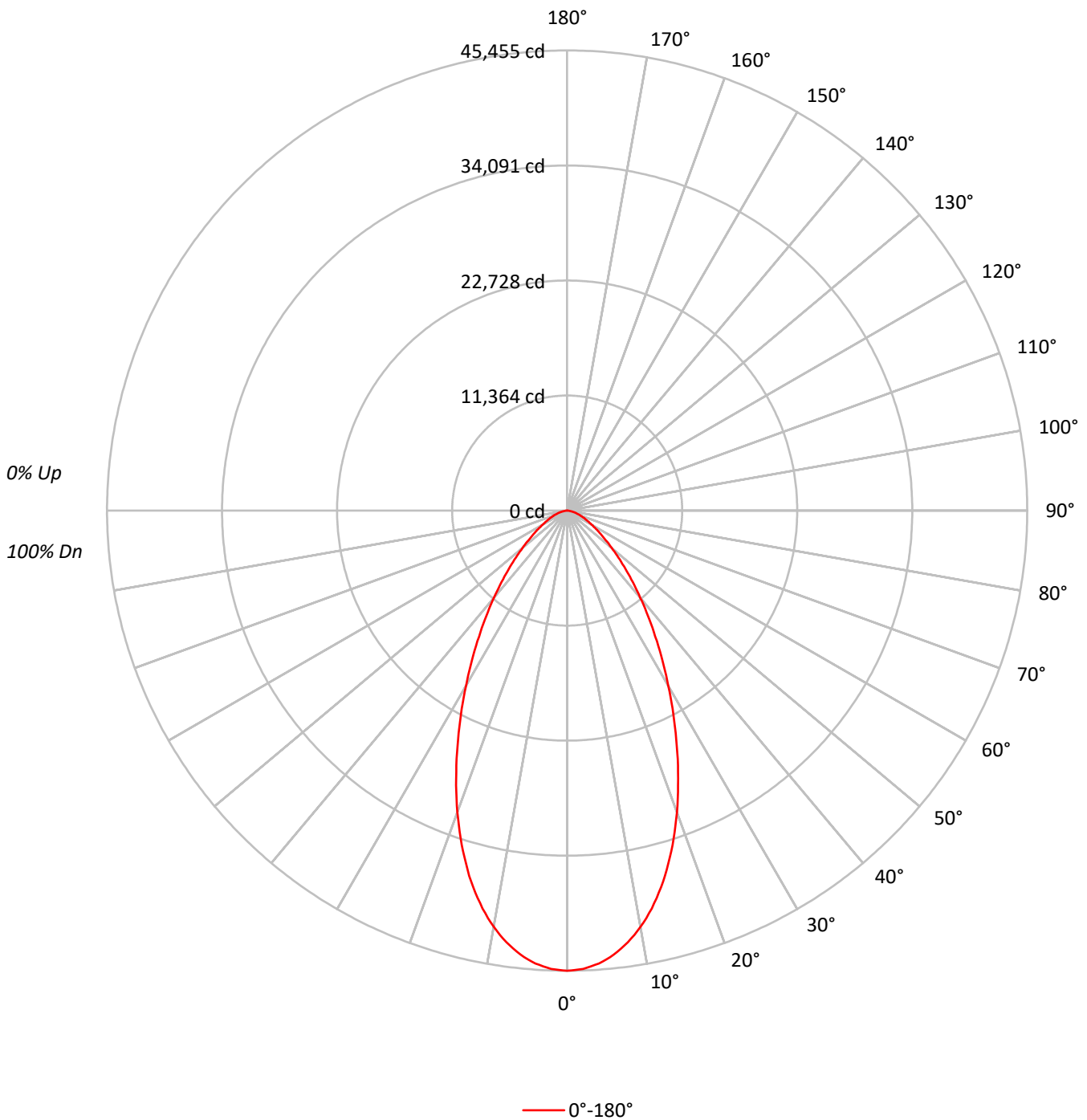
Lumens per Lamp: N/A
Luminaire Lumens: 48890.4 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 415.8
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90				90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81				81
3	98	90	84	79	96	89	83	79	86	81	78	84	80	76	81	78	75	73				73
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66				66
5	86	77	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61				61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56				56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51				51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	57	53	49	47				47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41				41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	406669
5°	399825
10°	379329
15°	346046
20°	301905
25°	252987
30°	206490
35°	165717
40°	131435
45°	102788
50°	79934
55°	63031
60°	50280
65°	41873
70°	35340
75°	28933
80°	21948
85°	11086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4160.7	8.5
10°-20°	10373.9	21.2
20°-30°	11741.1	24.0
30°-40°	9536.8	19.5
40°-50°	6346.0	13.0
50°-60°	3680.6	7.5
60°-70°	1988.6	4.1
70°-80°	899.5	1.8
80°-90°	163.3	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°	26275.7	53.7
0°-40°	35812.5	73.3
0°-60°	45839.0	93.8
0°-90°	48890.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48890.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	45455	
5°	44520	###
15°	37361	10374
25°	25628	11741
35°	15173	9537
45°	8124	6346
55°	4041	3681
65°	1978	1989
75°	837	899
85°	108	163
90°	0	



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CANDELA DISTRIBUTION (FULL):

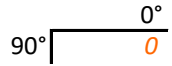
0°	
0°	45455
1°	45395
2°	45295
3°	45093
4°	44842
5°	44520
6°	44103
7°	43607
8°	43064
9°	42444
10°	41755
11°	41001
12°	40179
13°	39275
14°	38342
15°	37361
17.5°	34628
20°	31710
22.5°	28654
25°	25628
27.5°	22713
30°	19988
32.5°	17510
35°	15173
37.5°	13104
40°	11254
42.5°	9587
45°	8124
47.5°	6867
50°	5743
52.5°	4824
55°	4041
57.5°	3380
60°	2810
62.5°	2356
65°	1978
67.5°	1636
70°	1351
72.5°	1073
75°	837
77.5°	616
80°	426
82.5°	255
85°	108
87.5°	25



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)