

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: G2-1902-155-38

Luminaire Tested: **G8-W-PC-350-4500**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-38
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-350-4500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.5, 4500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

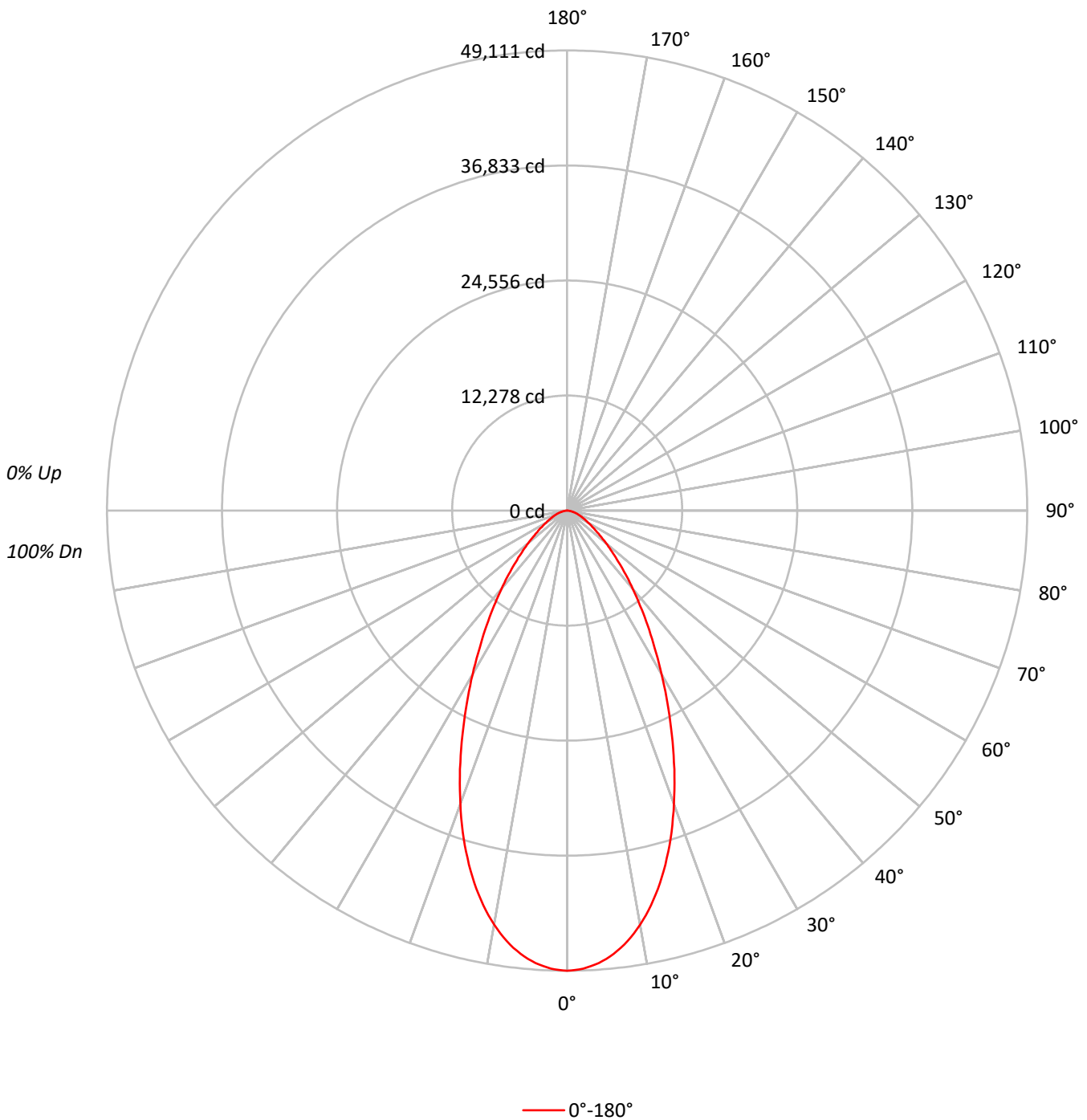
Lumens per Lamp: N/A
Luminaire Lumens: 49483.9 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.84
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 408.9
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				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	101	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	98	93	89	94	90	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	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	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	63	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°	439378
5°	431249
10°	407555
15°	368859
20°	317376
25°	260815
30°	208328
35°	163478
40°	127476
45°	98019
50°	75396
55°	58461
60°	46934
65°	39418
70°	33561
75°	28518
80°	21742
85°	12523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4483.9	9.1
10°-20°	11045.5	22.3
20°-30°	12114.5	24.5
30°-40°	9418.7	19.0
40°-50°	6063.0	12.3
50°-60°	3434.4	6.9
60°-70°	1870.1	3.8
70°-80°	879.6	1.8
80°-90°	174.3	0.4
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°	27643.9	55.9
0°-40°	37062.5	74.9
0°-60°	46559.9	94.1
0°-90°	49483.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49483.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	49111	
5°	48019	###
15°	39824	11045
25°	26421	12115
35°	14968	9419
45°	7747	6063
55°	3748	3434
65°	1862	1870
75°	825	880
85°	122	174
90°	0	



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CANDELA DISTRIBUTION (FULL):

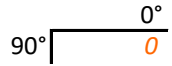
0°	
0°	49111
1°	49041
2°	48913
3°	48689
4°	48397
5°	48019
6°	47557
7°	47021
8°	46383
9°	45671
10°	44862
11°	43998
12°	43069
13°	42040
14°	40958
15°	39824
17.5°	36744
20°	33335
22.5°	29883
25°	26421
27.5°	23189
30°	20166
32.5°	17393
35°	14968
37.5°	12791
40°	10915
42.5°	9216
45°	7747
47.5°	6486
50°	5417
52.5°	4505
55°	3748
57.5°	3145
60°	2623
62.5°	2202
65°	1862
67.5°	1553
70°	1283
72.5°	1052
75°	825
77.5°	609
80°	422
82.5°	267
85°	122
87.5°	41



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)