

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: G2-1902-155-4

Luminaire Tested: **G8-W-PC-350-4000**

Test Date: 03/06/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-4
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-350-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.5, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

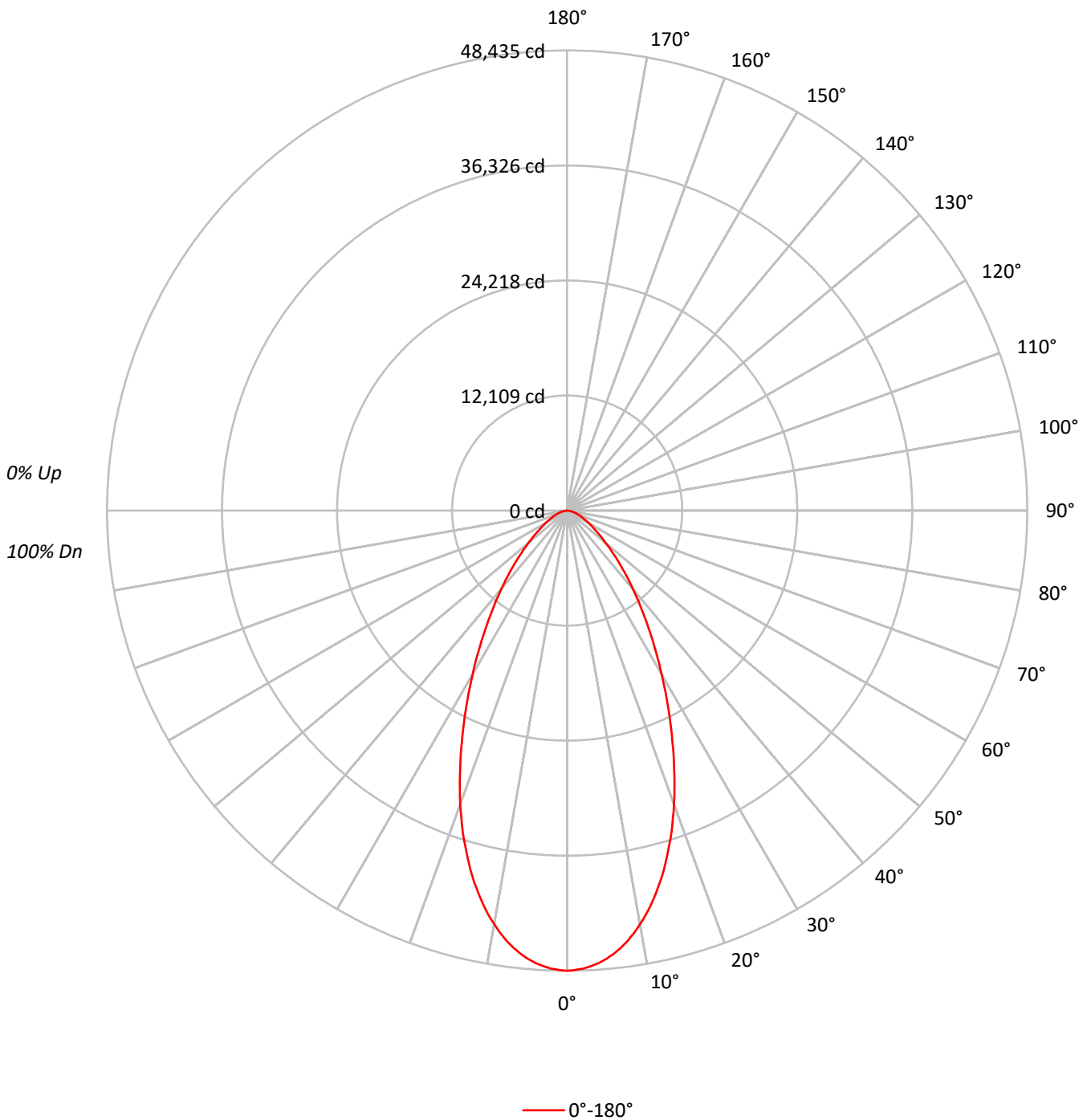
Lumens per Lamp: N/A
Luminaire Lumens: 48772.4 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.84
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 414
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	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	91	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	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	71	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	64	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°	433330
5°	425331
10°	401741
15°	363450
20°	313168
25°	257173
30°	205312
35°	161512
40°	125479
45°	96943
50°	74186
55°	57510
60°	46075
65°	38359
70°	32881
75°	27101
80°	21227
85°	12831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4421.3	9.1
10°-20°	10884.3	22.3
20°-30°	11946.6	24.5
30°-40°	9301.8	19.1
40°-50°	5983.5	12.3
50°-60°	3378.7	6.9
60°-70°	1828.3	3.7
70°-80°	854.1	1.8
80°-90°	174.0	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°	27252.2	55.9
0°-40°	36553.9	74.9
0°-60°	45916.1	94.1
0°-90°	48772.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48772.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	48435	
5°	47360	###
15°	39240	10884
25°	26052	11947
35°	14788	9302
45°	7662	5983
55°	3687	3379
65°	1812	1828
75°	784	854
85°	125	174
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	48435
1°	48358
2°	48247
3°	48027
4°	47741
5°	47360
6°	46898
7°	46367
8°	45732
9°	45016
10°	44222
11°	43366
12°	42421
13°	41407
14°	40350
15°	39240
17.5°	36196
20°	32893
22.5°	29461
25°	26052
27.5°	22875
30°	19874
32.5°	17203
35°	14788
37.5°	12640
40°	10744
42.5°	9099
45°	7662
47.5°	6402
50°	5330
52.5°	4439
55°	3687
57.5°	3090
60°	2575
62.5°	2161
65°	1812
67.5°	1512
70°	1257
72.5°	1016
75°	784
77.5°	607
80°	412
82.5°	267
85°	125
87.5°	42



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)