

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: G2-1902-155-33

Luminaire Tested: **G8-W-PC-350-3500**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-33
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-350-3500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.5, 3500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

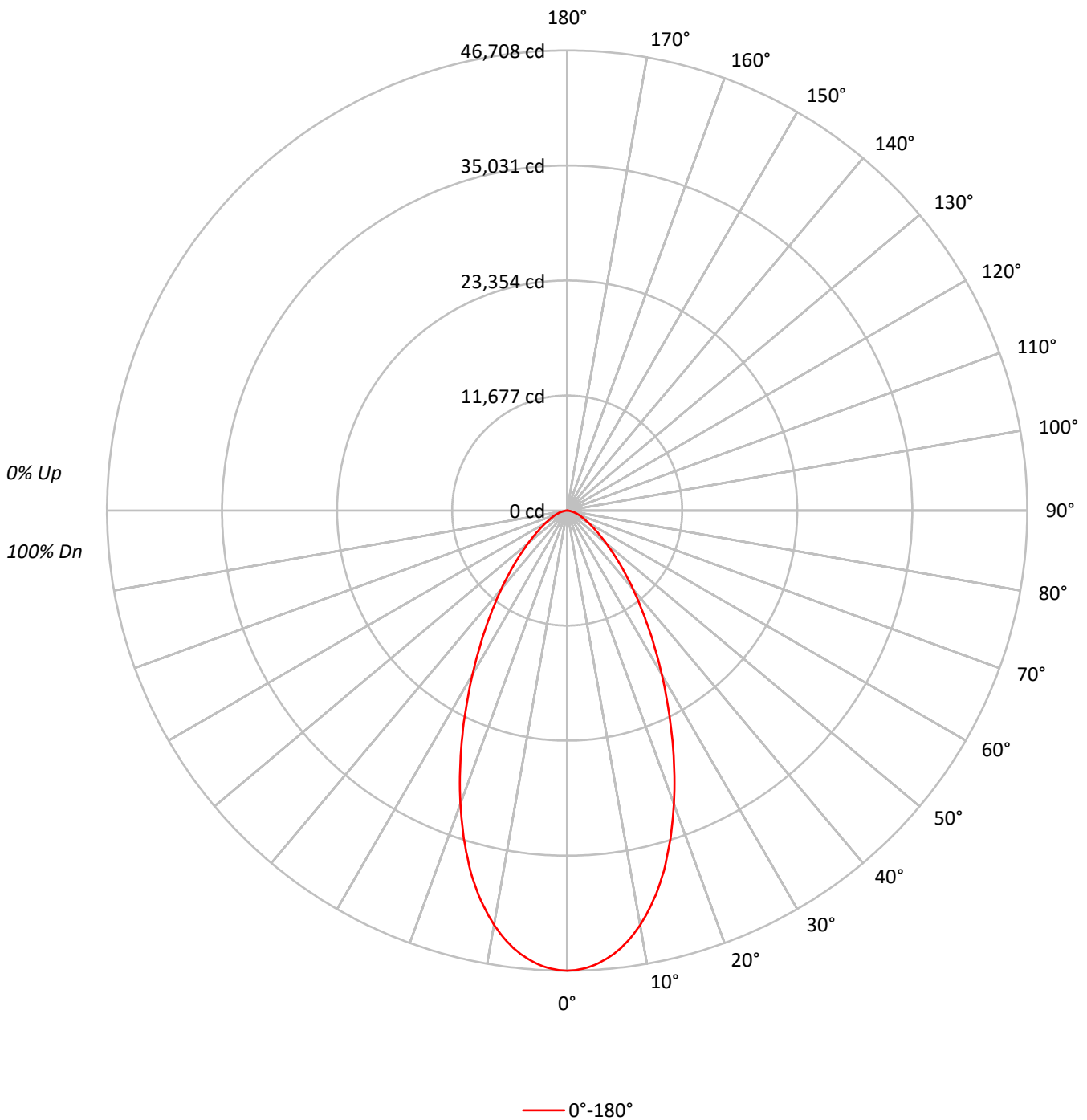
Lumens per Lamp: N/A
Luminaire Lumens: 47092.3 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.84
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 431
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	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°	417879
5°	410171
10°	388042
15°	350965
20°	301733
25°	248308
30°	198535
35°	155527
40°	121555
45°	93451
50°	71708
55°	55919
60°	45198
65°	37258
70°	32201
75°	26686
80°	20196
85°	11292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4266.6	9.1
10°-20°	10502.4	22.3
20°-30°	11526.1	24.5
30°-40°	8975.9	19.1
40°-50°	5779.6	12.3
50°-60°	3279.2	7.0
60°-70°	1785.4	3.8
70°-80°	822.9	1.7
80°-90°	154.1	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°	26295.2	55.8
0°-40°	35271.1	74.9
0°-60°	44330.0	94.1
0°-90°	47092.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	47092.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	46708	
5°	45672	###
15°	37892	10502
25°	25154	11526
35°	14240	8976
45°	7386	5780
55°	3585	3279
65°	1760	1785
75°	772	823
85°	110	154
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	46708
1°	46663
2°	46533
3°	46331
4°	46048
5°	45672
6°	45254
7°	44736
8°	44146
9°	43457
10°	42714
11°	41861
12°	40968
13°	40008
14°	38979
15°	37892
17.5°	34884
20°	31692
22.5°	28406
25°	25154
27.5°	22062
30°	19218
32.5°	16583
35°	14240
37.5°	12203
40°	10408
42.5°	8791
45°	7386
47.5°	6181
50°	5152
52.5°	4305
55°	3585
57.5°	2992
60°	2526
62.5°	2115
65°	1760
67.5°	1474
70°	1231
72.5°	976
75°	772
77.5°	564
80°	392
82.5°	241
85°	110
87.5°	20



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)