

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: G2-1810-991-36

Luminaire Tested: **G8-N-PC-500-3500**

Test Date: 10/29/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-36  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 10/29/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: G8-N-PC-500-3500  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 5, 3500K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

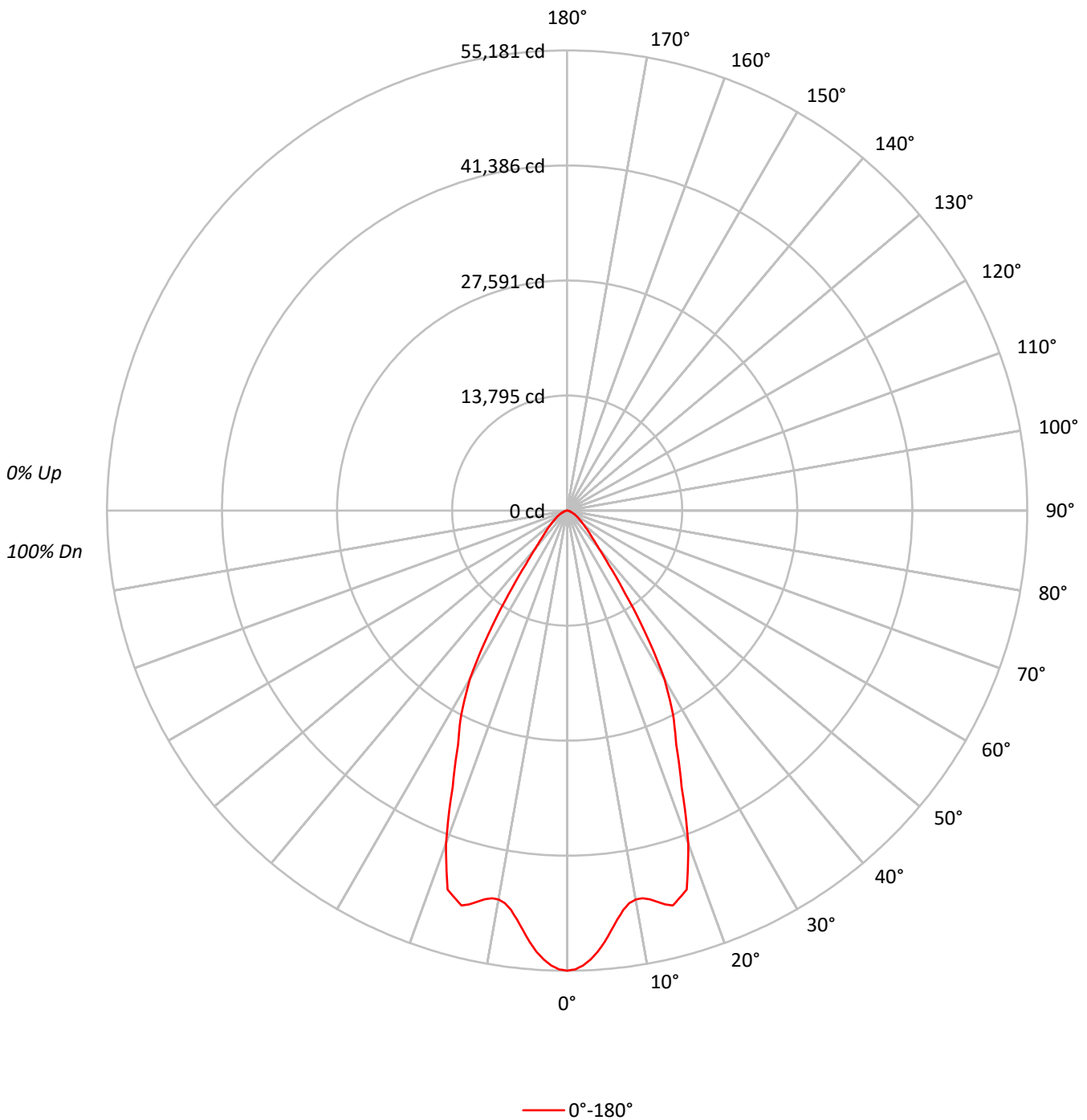
Lumens per Lamp: N/A  
Luminaire Lumens: 46457.8 lumens  
Efficiency: N/A  
Efficacy: 114.0 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.84  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 407.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	102	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	77	73	70	68
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56
9	75	65	59	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	471244
5°	444797
10°	410614
15°	433405
20°	385887
25°	291542
30°	229803
35°	125980
40°	65339
45°	44807
50°	33347
55°	26026
60°	21094
65°	16368
70°	12884
75°	10361
80°	8705
85°	6761



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4775.6	10.3
10°-20°	13381.5	28.8
20°-30°	14470.6	31.1
30°-40°	8004.4	17.2
40°-50°	2972.6	6.4
50°-60°	1598.7	3.4
60°-70°	826.6	1.8
70°-80°	345.0	0.7
80°-90°	82.8	0.2
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°	32627.7	70.2
0°-40°	40632.1	87.5
0°-60°	45203.4	97.3
0°-90°	46457.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	46457.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	55181	
5°	51886	###
15°	49021	13381
25°	30940	14471
35°	12084	8004
45°	3710	2973
55°	1748	1599
65°	810	827
75°	314	345
85°	69	83
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	55181
1°	55030
2°	54585
3°	53911
4°	52995
5°	51886
6°	50626
7°	49393
8°	48356
9°	47658
10°	47351
11°	47349
12°	47669
13°	48150
14°	48687
15°	49021
17.5°	47656
20°	42461
22.5°	35890
25°	30940
27.5°	27475
30°	23304
32.5°	17588
35°	12084
37.5°	8121
40°	5861
42.5°	4584
45°	3710
47.5°	3051
50°	2510
52.5°	2080
55°	1748
57.5°	1475
60°	1235
62.5°	1015
65°	810
67.5°	649
70°	516
72.5°	407
75°	314
77.5°	242
80°	177
82.5°	118
85°	69
87.5°	29



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)