

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: G2-1810-991-31

Luminaire Tested: **G8-N-PC-500-3000**

Test Date: 10/27/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-31
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/27/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-500-3000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 5, 3000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

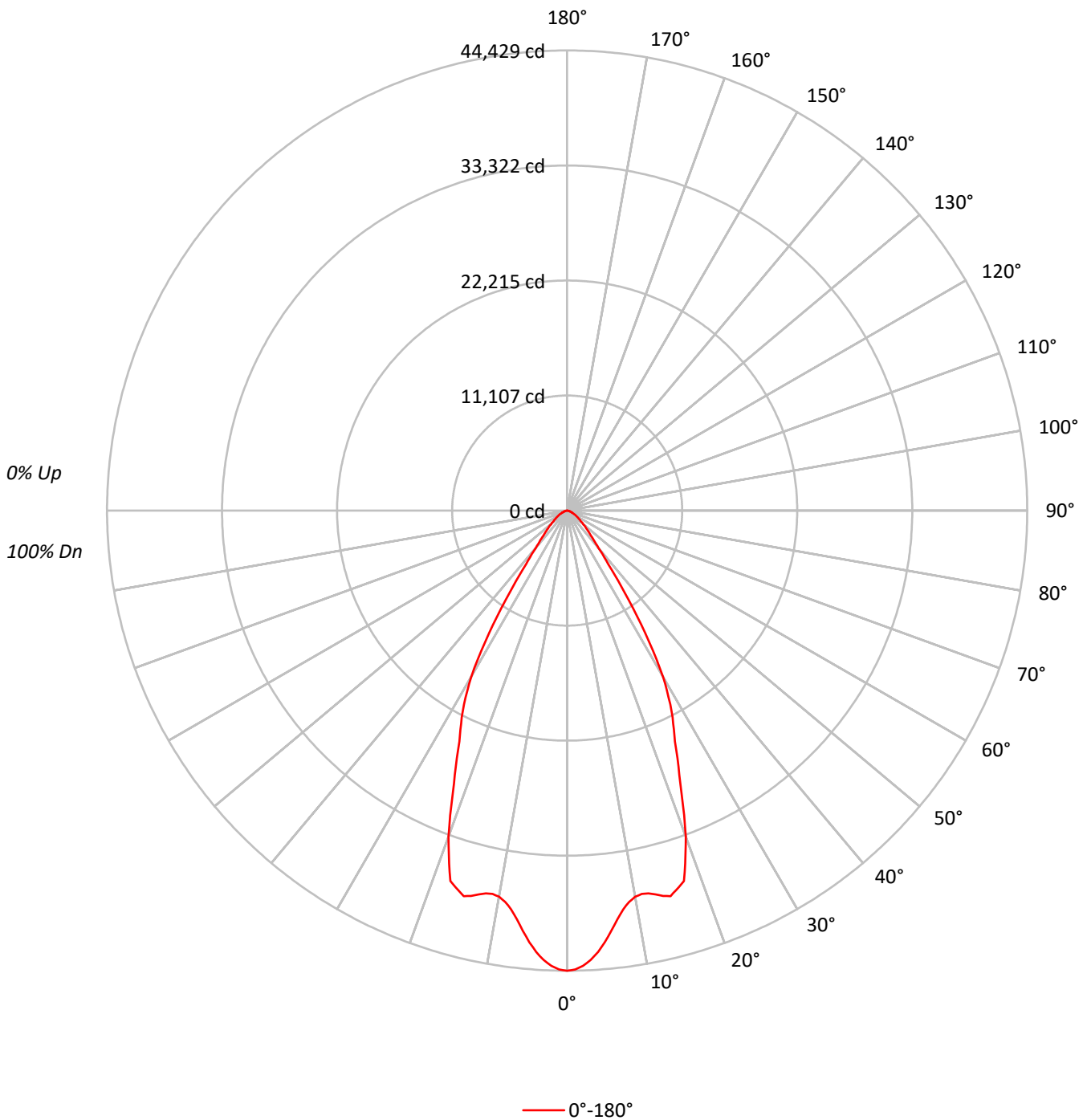
Lumens per Lamp: N/A
Luminaire Lumens: 36905.4 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.84
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 335.4
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	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	77	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	62	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°	379422
5°	358668
10°	328224
15°	340785
20°	304440
25°	231858
30°	182953
35°	100157
40°	52218
45°	35761
50°	26585
55°	20666
60°	16824
65°	13135
70°	10187
75°	8282
80°	6787
85°	4703



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3841.7	10.4
10°-20°	10559.3	28.6
20°-30°	11495.5	31.1
30°-40°	6378.9	17.3
40°-50°	2369.0	6.4
50°-60°	1268.3	3.4
60°-70°	658.2	1.8
70°-80°	276.2	0.7
80°-90°	58.2	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°	25896.6	70.2
0°-40°	32275.5	87.5
0°-60°	35912.8	97.3
0°-90°	36905.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	36905.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	44429	
5°	41839	###
15°	38545	10559
25°	24606	11496
35°	9607	6379
45°	2961	2369
55°	1388	1268
65°	650	658
75°	251	276
85°	48	58
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	44429
1°	44318
2°	43986
3°	43447
4°	42727
5°	41839
6°	40818
7°	39776
8°	38878
9°	38243
10°	37850
11°	37716
12°	37795
13°	38027
14°	38347
15°	38545
17.5°	37511
20°	33499
22.5°	28529
25°	24606
27.5°	21857
30°	18553
32.5°	14014
35°	9607
37.5°	6497
40°	4684
42.5°	3648
45°	2961
47.5°	2426
50°	2001
52.5°	1652
55°	1388
57.5°	1160
60°	985
62.5°	812
65°	650
67.5°	509
70°	408
72.5°	323
75°	251
77.5°	201
80°	138
82.5°	87
85°	48
87.5°	10



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)