

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: G2-1810-991-46

Luminaire Tested: **G8-N-PC-500-5000**

Test Date: 11/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-46
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-500-5000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 5, 5000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

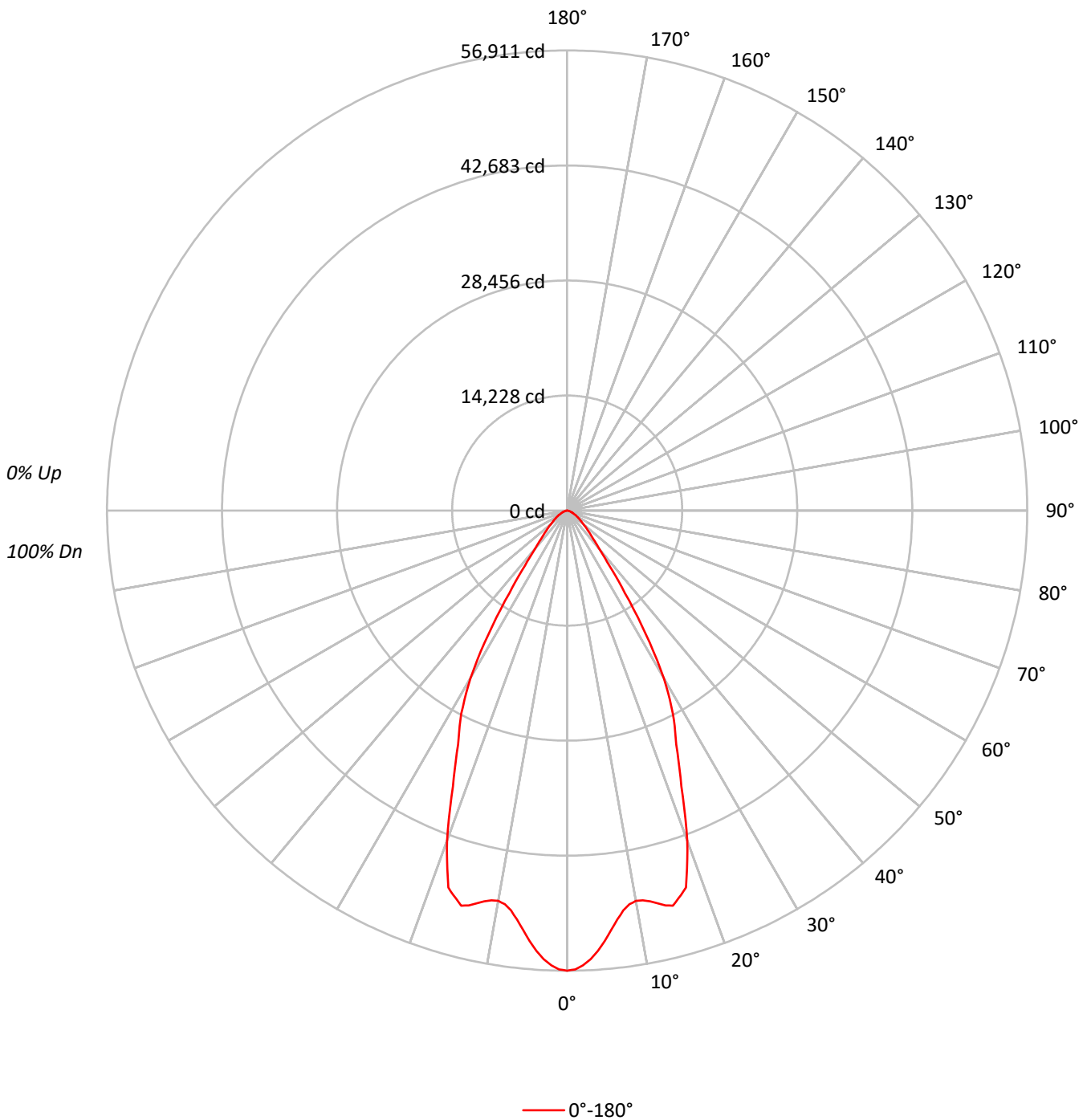
Lumens per Lamp: N/A
Luminaire Lumens: 48038.5 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.84
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 399.6
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	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	82	76	72	89	81	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	74	69	65	72	68	65	64
7	82	73	66	62	81	72	66	62	71	65	62	69	65	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	65	59	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	486018
5°	457896
10°	425139
15°	447215
20°	395112
25°	300569
30°	236134
35°	129900
40°	68539
45°	47440
50°	35008
55°	27753
60°	22255
65°	17398
70°	13908
75°	10922
80°	9147
85°	6761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4927.7	10.3
10°-20°	13788.8	28.7
20°-30°	14891.0	31.0
30°-40°	8276.3	17.2
40°-50°	3132.2	6.5
50°-60°	1696.0	3.5
60°-70°	878.0	1.8
70°-80°	362.9	0.8
80°-90°	85.7	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°	33607.4	70.0
0°-40°	41883.8	87.2
0°-60°	46712.0	97.2
0°-90°	48038.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48038.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	56911	
5°	53414	###
15°	50583	13789
25°	31898	14891
35°	12460	8276
45°	3928	3132
55°	1864	1696
65°	861	878
75°	331	363
85°	69	86
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	56911
1°	56749
2°	56290
3°	55562
4°	54587
5°	53414
6°	52155
7°	50935
8°	49934
9°	49278
10°	49026
11°	49093
12°	49410
13°	49880
14°	50337
15°	50583
17.5°	48892
20°	43476
22.5°	36896
25°	31898
27.5°	28353
30°	23946
32.5°	18094
35°	12460
37.5°	8529
40°	6148
42.5°	4838
45°	3928
47.5°	3207
50°	2635
52.5°	2212
55°	1864
57.5°	1567
60°	1303
62.5°	1070
65°	861
67.5°	696
70°	557
72.5°	424
75°	331
77.5°	251
80°	186
82.5°	128
85°	69
87.5°	25



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)