

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: G2-1810-991-25

Luminaire Tested: **G8-N-PC-480-5600**

Test Date: 10/26/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-25
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/26/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-480-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4.8, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

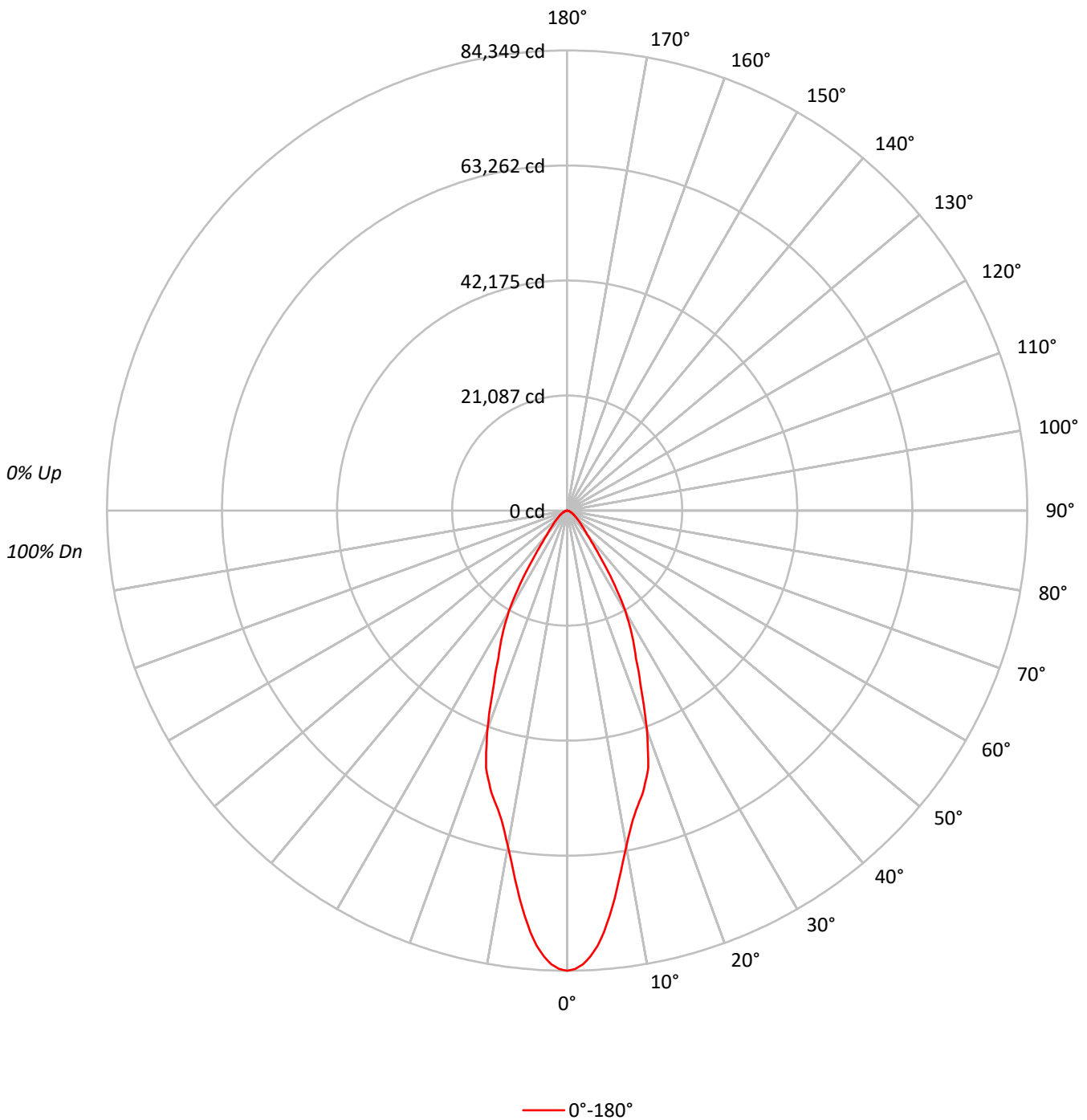
Lumens per Lamp: N/A
Luminaire Lumens: 48954.5 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.68
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 401.6
Input Voltage (V): NR
Input Current (Ain): 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	106	111	108	106	104	104	102	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87	84	82	80
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73		80	75	72		78	74	72	70
6	88	79	73	69	86	78	73	69	77	72	68		75	71	68		74	70	67	66
7	84	75	69	65	82	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	71	65	61	79	70	65	61	69	64	60		68	63	60		67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57		65	60	57		64	60	57	55
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	720337
5°	664470
10°	541773
15°	473801
20°	388277
25°	281007
30°	210968
35°	116702
40°	63600
45°	44988
50°	33414
55°	26428
60°	21469
65°	16873
70°	13259
75°	10724
80°	9246
85°	7055



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6882.5	14.1
10°-20°	14794.8	30.2
20°-30°	13969.9	28.5
30°-40°	7442.4	15.2
40°-50°	2959.4	6.0
50°-60°	1622.2	3.3
60°-70°	842.4	1.7
70°-80°	357.5	0.7
80°-90°	83.5	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°	35647.2	72.8
0°-40°	43089.6	88.0
0°-60°	47671.1	97.4
0°-90°	48954.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48954.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	84349	
5°	77511	###
15°	53590	14795
25°	29822	13970
35°	11194	7442
45°	3725	2959
55°	1775	1622
65°	835	842
75°	325	357
85°	72	83
90°	0	



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CANDELA DISTRIBUTION (FULL):

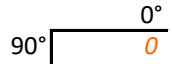
0°	
0°	84349
1°	84028
2°	83211
3°	81841
4°	79970
5°	77511
6°	74671
7°	71573
8°	68358
9°	65275
10°	62476
11°	60013
12°	57972
13°	56296
14°	54897
15°	53590
17.5°	49441
20°	42724
22.5°	35463
25°	29822
27.5°	25787
30°	21394
32.5°	16164
35°	11194
37.5°	7742
40°	5705
42.5°	4555
45°	3725
47.5°	3065
50°	2515
52.5°	2111
55°	1775
57.5°	1508
60°	1257
62.5°	1021
65°	835
67.5°	663
70°	531
72.5°	415
75°	325
77.5°	257
80°	188
82.5°	117
85°	72
87.5°	24



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)