

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: G2-1810-991-23

Luminaire Tested: **G8-N-PC-450-5600**

Test Date: 10/26/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-23
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-450-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4.5, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

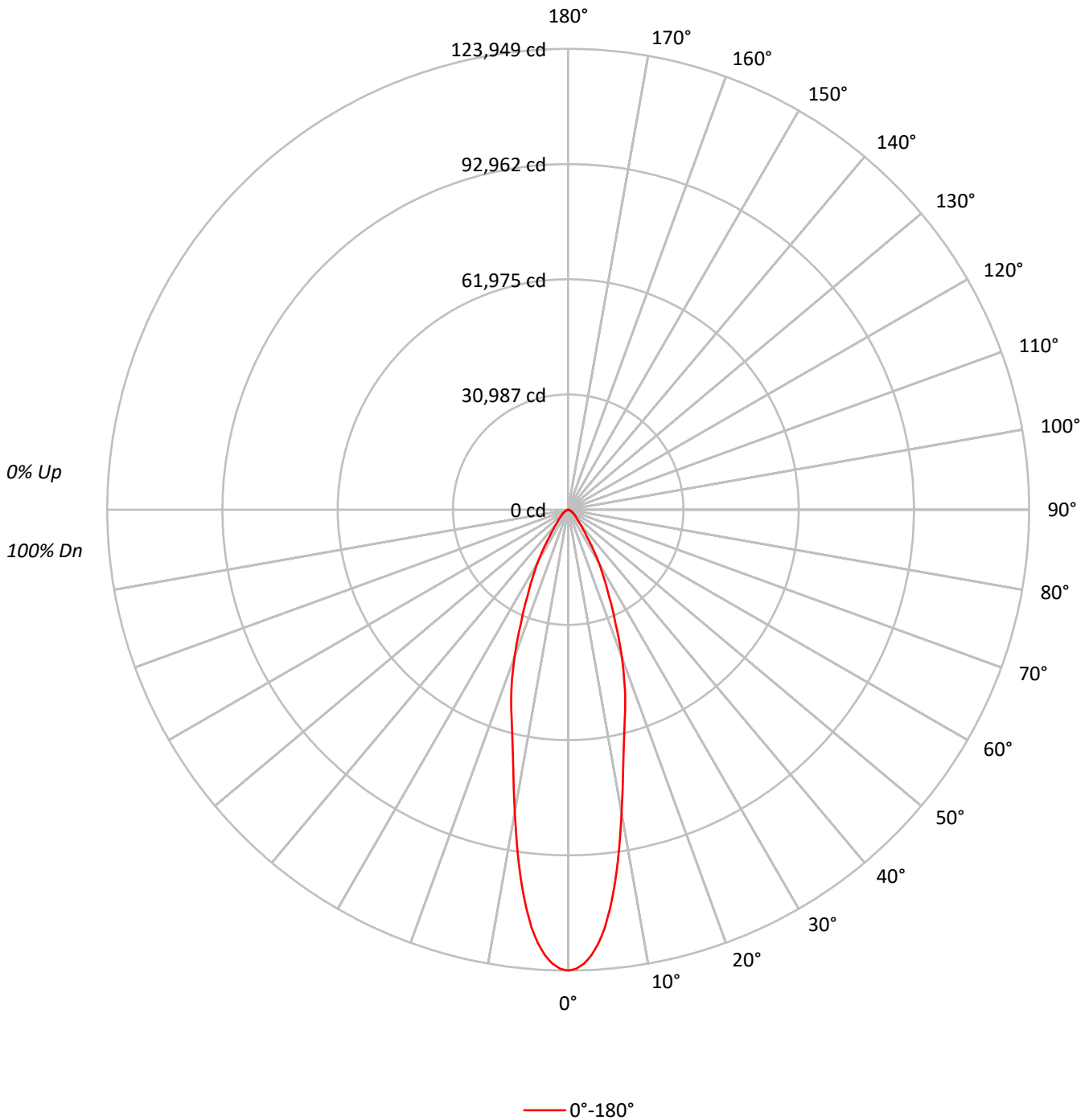
Lumens per Lamp: N/A
Luminaire Lumens: 49664.7 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.55
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 396.4
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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	89	101	96	91	88	93	90	87		91	88	85		89	86	84	82
4	99	92	86	82	97	90	86	82	88	84	81		86	83	80		84	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	80	71	66	62	79	70	65	62	70	65	62		69	64	61		68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59		66	62	59		65	61	59	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1058520
5°	967442
10°	717107
15°	519033
20°	383170
25°	247744
30°	161959
35°	90503
40°	54035
45°	40157
50°	30677
55°	24373
60°	19796
65°	15277
70°	12135
75°	9734
80°	8410
85°	7251



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9764.1	19.7
10°-20°	16438.2	33.1
20°-30°	12376.9	24.9
30°-40°	5787.0	11.7
40°-50°	2621.8	5.3
50°-60°	1495.8	3.0
60°-70°	772.0	1.6
70°-80°	325.3	0.7
80°-90°	83.6	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°	38579.2	77.7
0°-40°	44366.2	89.3
0°-60°	48483.8	97.6
0°-90°	49664.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49664.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	123949	
5°	112853	###
15°	58706	16438
25°	26292	12377
35°	8681	5787
45°	3325	2622
55°	1637	1496
65°	756	772
75°	295	325
85°	74	84
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	123949
1°	123480
2°	122175
3°	119992
4°	116908
5°	112853
6°	107857
7°	102064
8°	95762
9°	89158
10°	82695
11°	76607
12°	71125
13°	66314
14°	62261
15°	58706
17.5°	50777
20°	42162
22.5°	33444
25°	26292
27.5°	20913
30°	16424
32.5°	12163
35°	8681
37.5°	6279
40°	4847
42.5°	3985
45°	3325
47.5°	2789
50°	2309
52.5°	1954
55°	1637
57.5°	1388
60°	1159
62.5°	952
65°	756
67.5°	598
70°	486
72.5°	384
75°	295
77.5°	227
80°	171
82.5°	118
85°	74
87.5°	30



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)