

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: G2-1810-991-10

Luminaire Tested: **G8-N-PC-450-4000**

Test Date: 10/24/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-10
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/24/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-450-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4.5, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

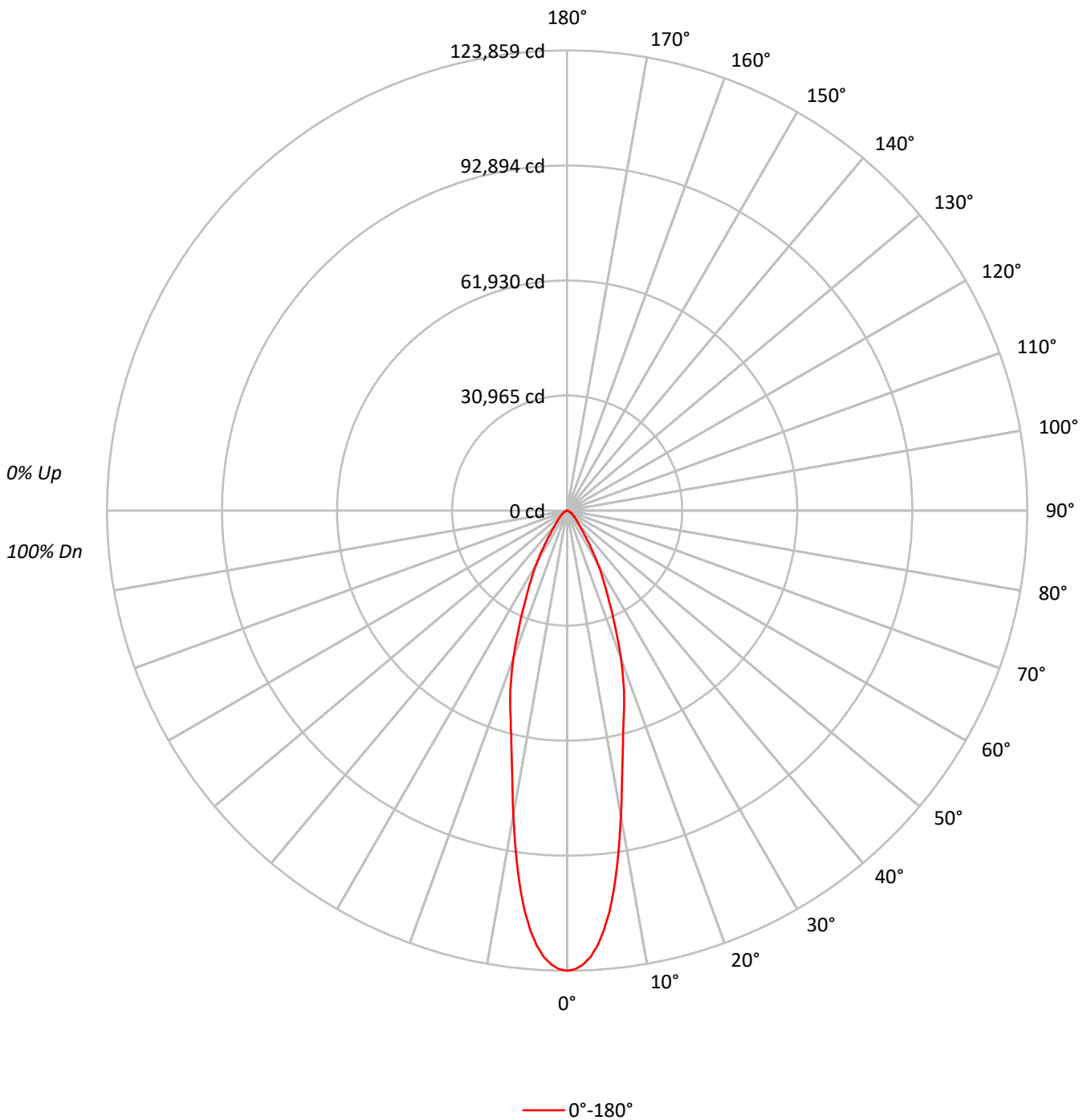
Lumens per Lamp: N/A
Luminaire Lumens: 49844.6 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.55
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 391.4
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	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	89	101	96	92	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		85	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	69	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°	1057751
5°	972705
10°	722024
15°	518962
20°	384788
25°	248451
30°	162077
35°	90701
40°	54447
45°	40471
50°	30757
55°	24388
60°	19710
65°	15398
70°	11810
75°	9767
80°	8016
85°	6565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9821.4	19.7
10°-20°	16478.2	33.1
20°-30°	12432.7	24.9
30°-40°	5804.7	11.6
40°-50°	2634.1	5.3
50°-60°	1497.8	3.0
60°-70°	773.0	1.6
70°-80°	324.4	0.7
80°-90°	78.5	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°	38732.2	77.7
0°-40°	44536.9	89.4
0°-60°	48668.7	97.6
0°-90°	49844.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49844.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	123859	
5°	113467	###
15°	58698	16478
25°	26367	12433
35°	8700	5805
45°	3351	2634
55°	1638	1498
65°	762	773
75°	296	324
85°	67	78
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	123859
1°	123438
2°	122261
3°	120295
4°	117360
5°	113467
6°	108594
7°	102829
8°	96462
9°	89829
10°	83262
11°	77030
12°	71355
13°	66464
14°	62265
15°	58698
17.5°	50886
20°	42340
22.5°	33676
25°	26367
27.5°	21017
30°	16436
32.5°	12208
35°	8700
37.5°	6303
40°	4884
42.5°	4005
45°	3351
47.5°	2787
50°	2315
52.5°	1952
55°	1638
57.5°	1397
60°	1154
62.5°	950
65°	762
67.5°	607
70°	473
72.5°	388
75°	296
77.5°	229
80°	163
82.5°	111
85°	67
87.5°	29



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)