

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: G2-1902-155-12

Luminaire Tested: **G8-W-PC-480-4000**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-12
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/07/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-W-PC-480-4000
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.8, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

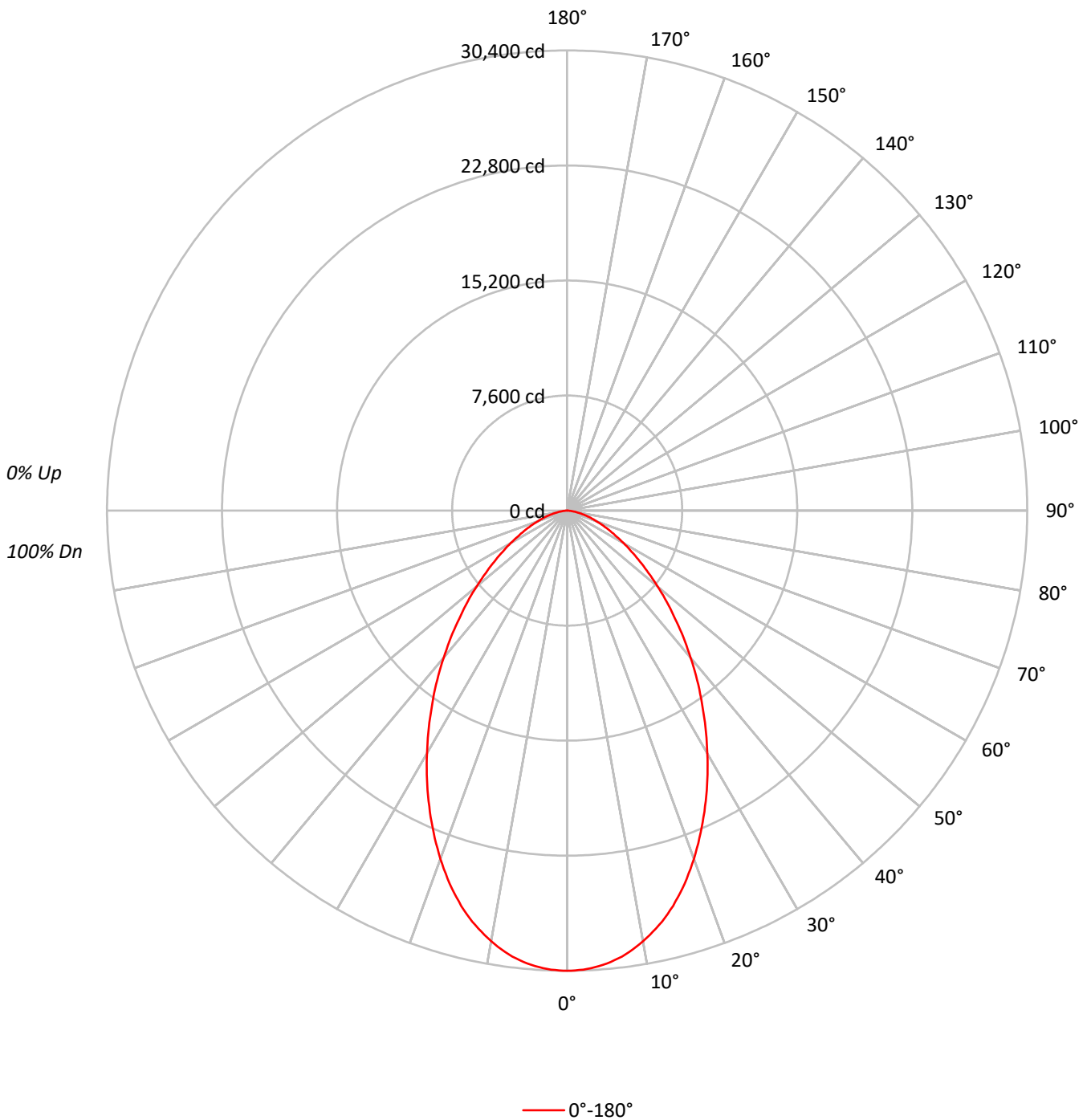
Lumens per Lamp: N/A
Luminaire Lumens: 47820.8 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1.05
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 393
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	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94	92	90	88
2	103	96	91	86	101	94	89	85	91	87	83		88	84	81		85	82	79	78
3	95	87	80	74	93	85	79	74	82	77	73		80	75	71		77	73	70	68
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71	66	63	61
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43		53	47	42		51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45	40	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271978
5°	269730
10°	262483
15°	250423
20°	233117
25°	212879
30°	191407
35°	169550
40°	148230
45°	127499
50°	108648
55°	91716
60°	76816
65°	64673
70°	54226
75°	44039
80°	33953
85°	20120



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2830.8	5.9
10°-20°	7562.6	15.8
20°-30°	9891.1	20.7
30°-40°	9704.0	20.3
40°-50°	7810.6	16.3
50°-60°	5298.8	11.1
60°-70°	3065.7	6.4
70°-80°	1386.7	2.9
80°-90°	270.4	0.6
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°	20284.6	42.4
0°-40°	29988.6	62.7
0°-60°	43098.1	90.1
0°-90°	47820.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	47820.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30400	
5°	30034	###
15°	27037	7563
25°	21565	9891
35°	15524	9704
45°	10077	7811
55°	5880	5299
65°	3055	3066
75°	1274	1387
85°	196	270
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	30400
1°	30389
2°	30344
3°	30271
4°	30168
5°	30034
6°	29876
7°	29682
8°	29439
9°	29183
10°	28893
11°	28569
12°	28227
13°	27868
14°	27463
15°	27037
17.5°	25841
20°	24485
22.5°	23046
25°	21565
27.5°	20058
30°	18528
32.5°	17002
35°	15524
37.5°	14107
40°	12692
42.5°	11357
45°	10077
47.5°	8925
50°	7806
52.5°	6779
55°	5880
57.5°	5050
60°	4293
62.5°	3630
65°	3055
67.5°	2542
70°	2073
72.5°	1664
75°	1274
77.5°	960
80°	659
82.5°	409
85°	196
87.5°	60



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)