

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: G2-1902-155-51

Luminaire Tested: **G8-W-PC-500-6000**

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-51
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/10/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-500-6000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 5, 6000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

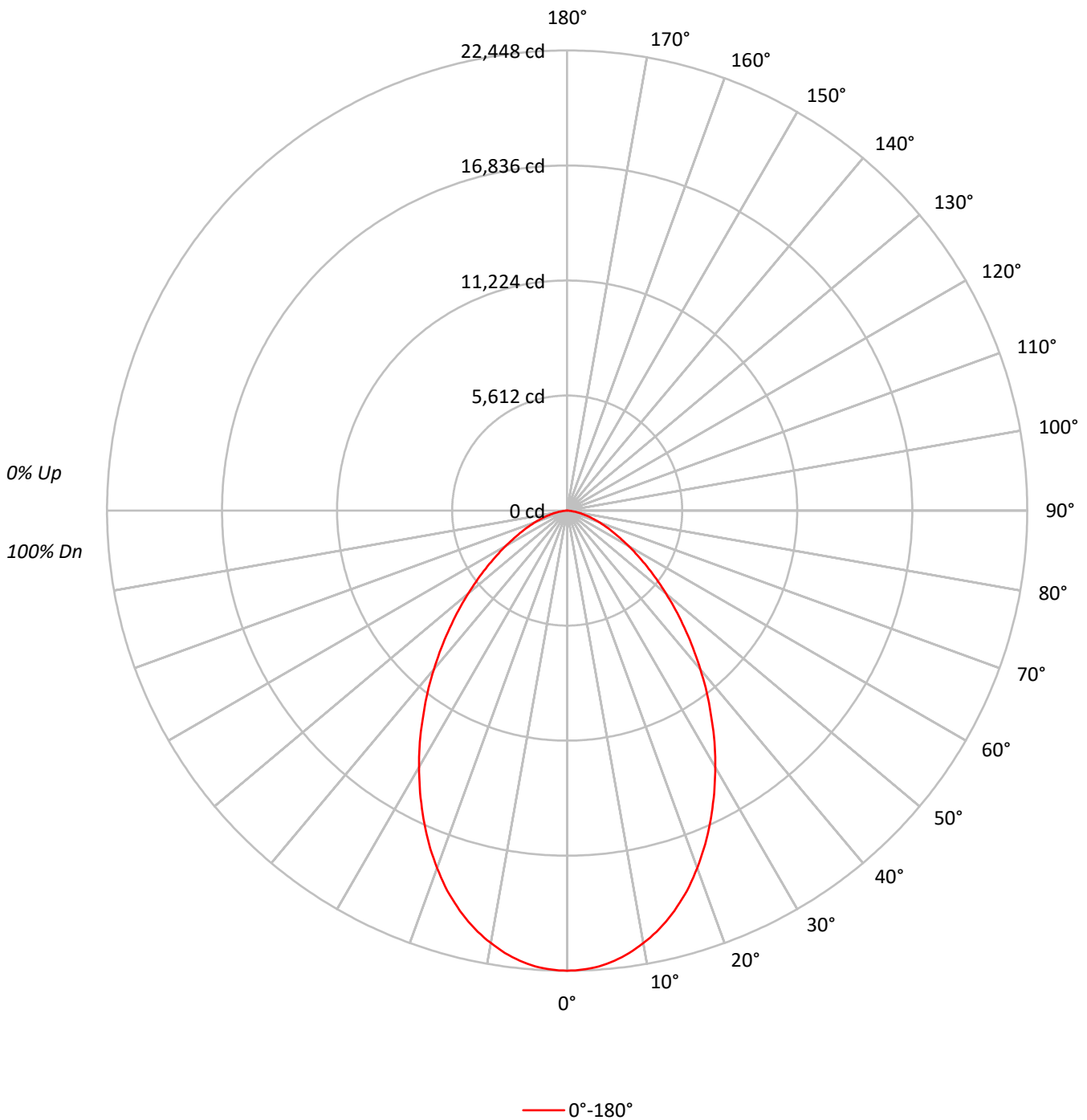
Lumens per Lamp: N/A
Luminaire Lumens: 37321.7 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.08
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 315.6
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	111	107	104	101	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	57	80	70	63	57	68	62	57		66	60	56		64	59	55	54
6	77	65	57	51	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46		56	50	46		55	49	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	45	41	40
9	63	51	44	39	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	40	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	200834
5°	199266
10°	194648
15°	187236
20°	176630
25°	163709
30°	149268
35°	133814
40°	118040
45°	102346
50°	87478
55°	74028
60°	61964
65°	52098
70°	43370
75°	35328
80°	25967
85°	15398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2093.9	5.6
10°-20°	5665.2	15.2
20°-30°	7607.7	20.4
30°-40°	7657.4	20.5
40°-50°	6259.7	16.8
50°-60°	4274.9	11.5
60°-70°	2465.3	6.6
70°-80°	1095.8	2.9
80°-90°	201.7	0.5
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°	15366.9	41.2
0°-40°	23024.3	61.7
0°-60°	33558.9	89.9
0°-90°	37321.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37321.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22448	
5°	22188	###
15°	20215	5665
25°	16584	7608
35°	12252	7657
45°	8089	6260
55°	4746	4275
65°	2461	2465
75°	1022	1096
85°	150	202
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	22448
1°	22434
2°	22400
3°	22351
4°	22290
5°	22188
6°	22079
7°	21952
8°	21796
9°	21611
10°	21426
11°	21220
12°	21001
13°	20748
14°	20490
15°	20215
17.5°	19447
20°	18552
22.5°	17611
25°	16584
27.5°	15532
30°	14449
32.5°	13373
35°	12252
37.5°	11194
40°	10107
42.5°	9086
45°	8089
47.5°	7169
50°	6285
52.5°	5483
55°	4746
57.5°	4065
60°	3463
62.5°	2929
65°	2461
67.5°	2030
70°	1658
72.5°	1316
75°	1022
77.5°	741
80°	504
82.5°	296
85°	150
87.5°	44



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)