

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: G2-1902-155-47

Luminaire Tested: **G8-W-PC-300-6000**

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-47
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-300-6000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3, 6000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

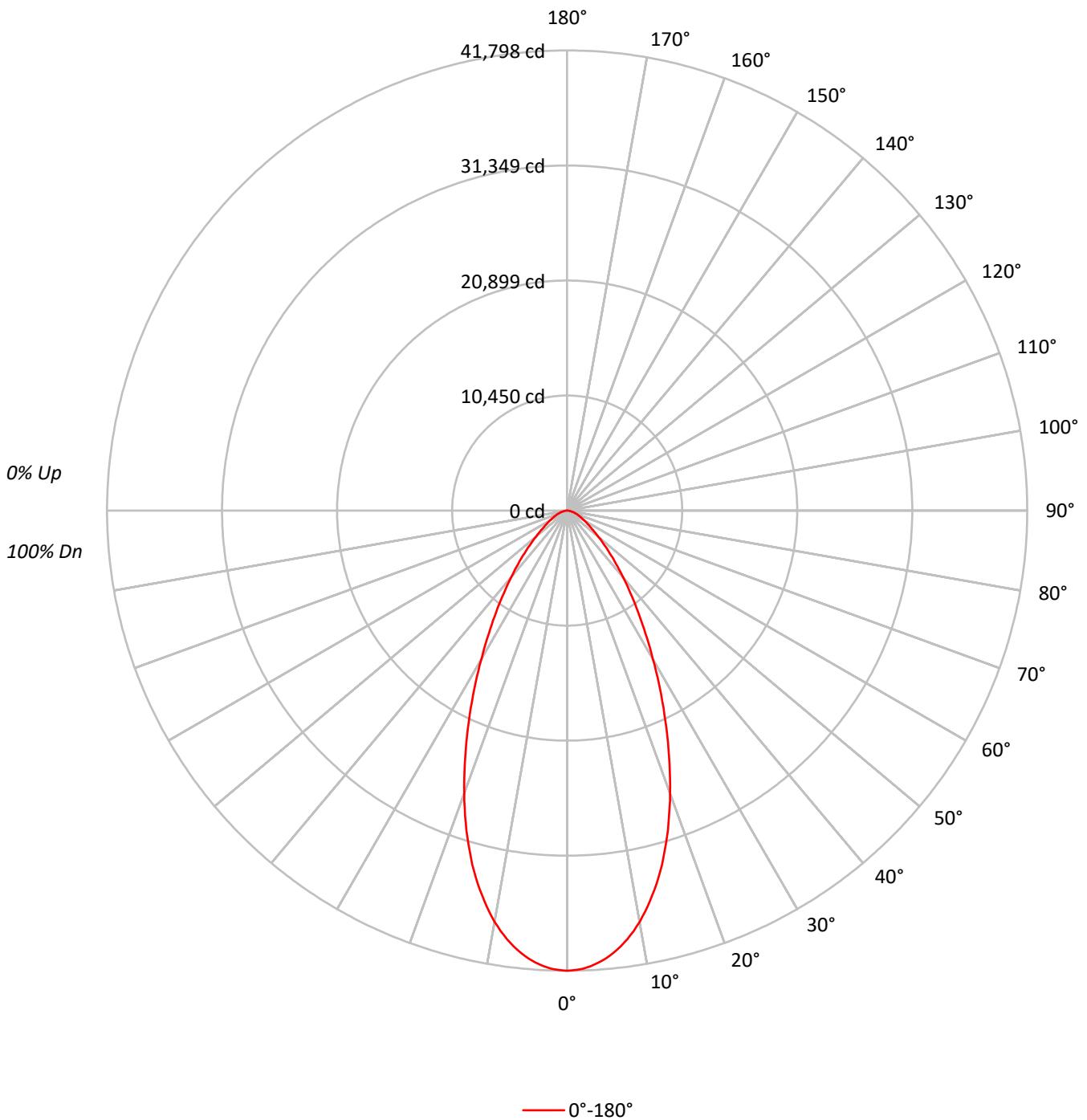
Lumens per Lamp: N/A
Luminaire Lumens: 38429.3 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.81
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 353.9
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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	68	62	57	77	68	61	57	66	61	56	65	60	56	64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	373951
5°	366587
10°	344626
15°	308368
20°	260461
25°	208467
30°	161004
35°	122390
40°	92322
45°	69209
50°	51707
55°	39385
60°	31957
65°	27118
70°	23935
75°	20222
80°	16178
85°	11086



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3804.3	9.9
10°-20°	9210.3	24.0
20°-30°	9677.9	25.2
30°-40°	7070.2	18.4
40°-50°	4289.8	11.2
50°-60°	2325.6	6.1
60°-70°	1291.5	3.4
70°-80°	628.9	1.6
80°-90°	130.7	0.3
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°	22692.5	59.0
0°-40°	29762.7	77.4
0°-60°	36378.2	94.7
0°-90°	38429.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38429.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	41798	
5°	40819	###
15°	33293	9210
25°	21118	9678
35°	11206	7070
45°	5470	4290
55°	2525	2326
65°	1281	1292
75°	585	629
85°	108	131
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	41798
1°	41737
2°	41632
3°	41434
4°	41162
5°	40819
6°	40387
7°	39882
8°	39311
9°	38660
10°	37935
11°	37103
12°	36246
13°	35296
14°	34336
15°	33293
17.5°	30428
20°	27357
22.5°	24179
25°	21118
27.5°	18249
30°	15585
32.5°	13239
35°	11206
37.5°	9426
40°	7905
42.5°	6589
45°	5470
47.5°	4516
50°	3715
52.5°	3060
55°	2525
57.5°	2107
60°	1786
62.5°	1507
65°	1281
67.5°	1088
70°	915
72.5°	741
75°	585
77.5°	446
80°	314
82.5°	201
85°	108
87.5°	15



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)