

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: G2-1902-155-50

Luminaire Tested: **G8-W-PC-450-6000**

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-50
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-450-6000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.5, 6000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

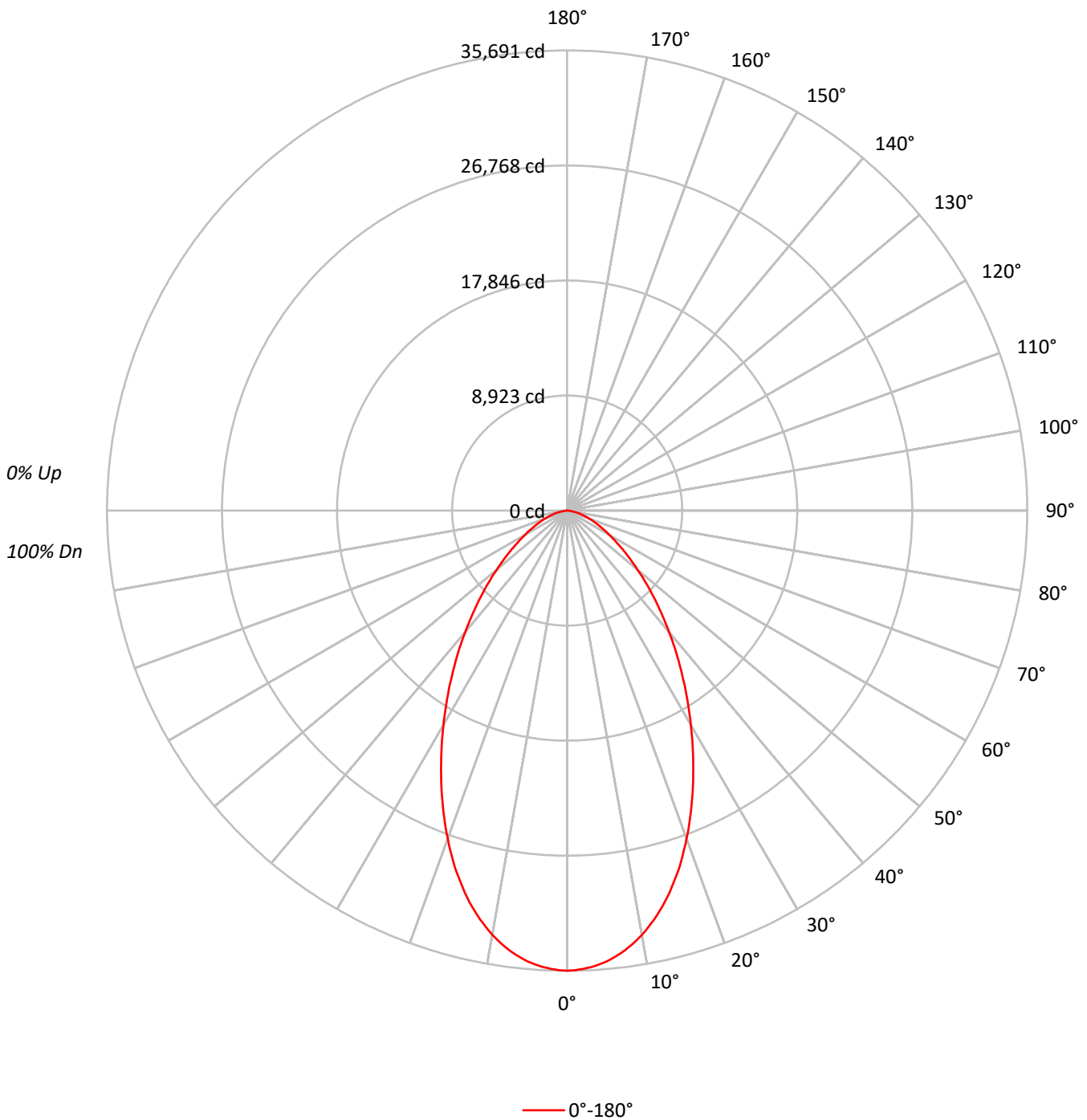
Lumens per Lamp: N/A
Luminaire Lumens: 48442.1 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 402.5
Input Voltage (V): NR
Input Current (Ain): 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	108	104	101	109	106	103	100	101	99	97		98	96	94		94	93	91	89
2	104	97	92	87	101	95	90	86	92	88	84		89	85	83		86	83	81	79
3	96	88	81	76	94	87	80	76	84	79	74		81	77	73		79	75	72	70
4	90	80	73	67	88	79	72	67	77	71	66		74	69	65		72	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54		63	58	53		62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		54	48	44	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319314
5°	315271
10°	303563
15°	284073
20°	257919
25°	228259
30°	198277
35°	169692
40°	143652
45°	119983
50°	99183
55°	81983
60°	67851
65°	56777
70°	47686
75°	39026
80°	28440
85°	18272



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3296.6	6.8
10°-20°	8558.9	17.7
20°-30°	10598.8	21.9
30°-40°	9730.6	20.1
40°-50°	7360.2	15.2
50°-60°	4754.9	9.8
60°-70°	2698.8	5.6
70°-80°	1212.7	2.5
80°-90°	230.6	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°	22454.4	46.4
0°-40°	32185.0	66.4
0°-60°	44300.0	91.4
0°-90°	48442.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48442.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	35691	
5°	35105	###
15°	30670	8559
25°	23123	10599
35°	15537	9731
45°	9483	7360
55°	5256	4755
65°	2682	2699
75°	1129	1213
85°	178	231
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	35691
1°	35648
2°	35569
3°	35454
4°	35301
5°	35105
6°	34840
7°	34555
8°	34216
9°	33841
10°	33415
11°	32931
12°	32431
13°	31876
14°	31301
15°	30670
17.5°	28987
20°	27090
22.5°	25135
25°	23123
27.5°	21124
30°	19193
32.5°	17332
35°	15537
37.5°	13881
40°	12300
42.5°	10844
45°	9483
47.5°	8258
50°	7126
52.5°	6137
55°	5256
57.5°	4475
60°	3792
62.5°	3201
65°	2682
67.5°	2235
70°	1823
72.5°	1450
75°	1129
77.5°	837
80°	552
82.5°	335
85°	178
87.5°	59



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)