

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: G2-1902-155-20

Luminaire Tested: **G8-W-PC-400-5600**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-20
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-400-5600
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

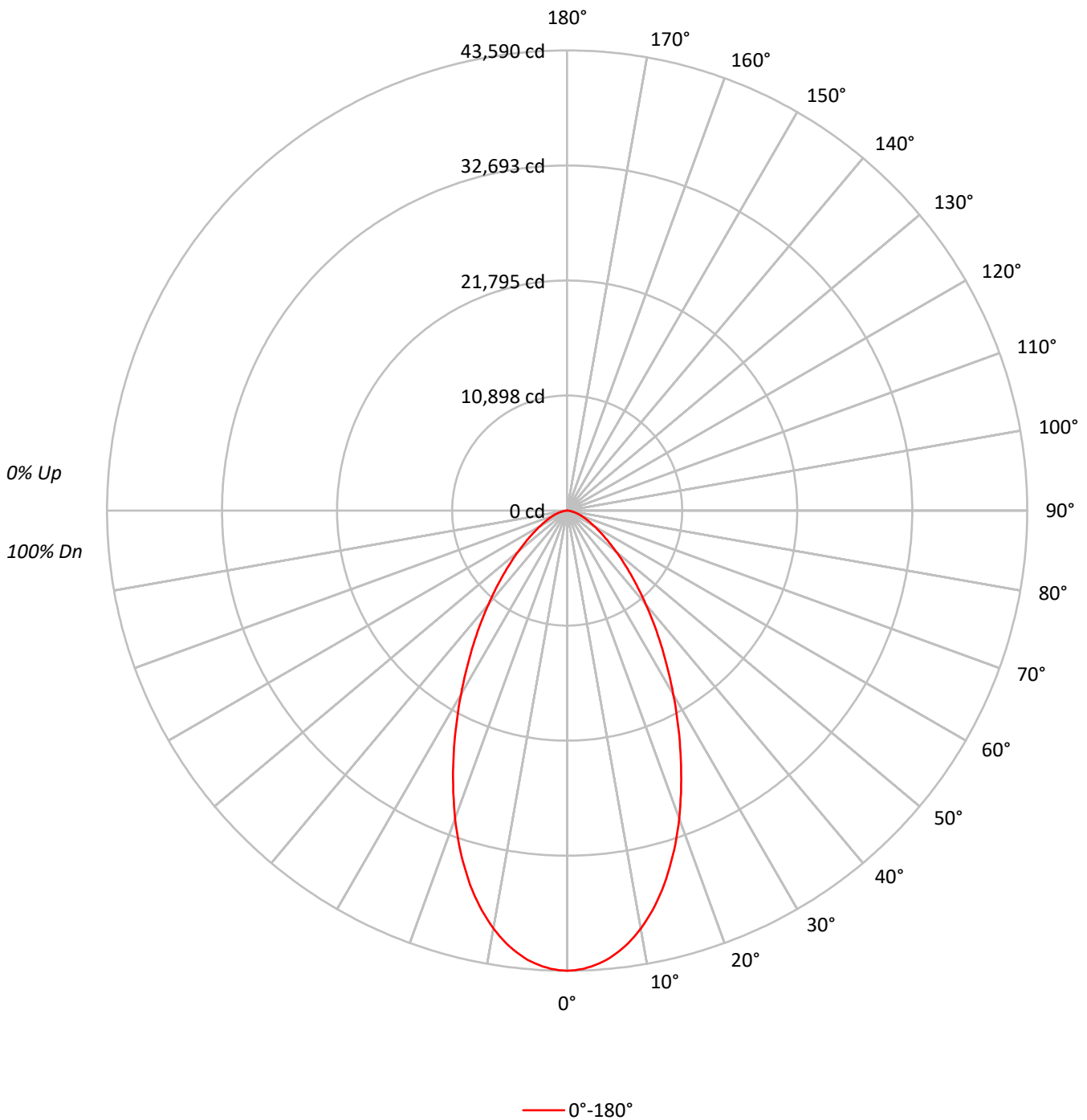
Lumens per Lamp: N/A
Luminaire Lumens: 49100.7 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.89
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 416.1
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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	84	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	77	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	50
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	389984
5°	383705
10°	365312
15°	335126
20°	295488
25°	250885
30°	207647
35°	168819
40°	135173
45°	107204
50°	84207
55°	66416
60°	53179
65°	43800
70°	36281
75°	30419
80°	23288
85°	12934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3997.8	8.1
10°-20°	10063.6	20.5
20°-30°	11644.5	23.7
30°-40°	9698.1	19.8
40°-50°	6604.8	13.5
50°-60°	3882.7	7.9
60°-70°	2089.5	4.3
70°-80°	942.2	1.9
80°-90°	177.5	0.4
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°	25705.9	52.4
0°-40°	35404.0	72.1
0°-60°	45891.4	93.5
0°-90°	49100.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49100.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	43590	
5°	42725	###
15°	36182	10064
25°	25415	11644
35°	15457	9698
45°	8473	6605
55°	4258	3883
65°	2069	2090
75°	880	942
85°	126	177
90°	0	



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CANDELA DISTRIBUTION (FULL):

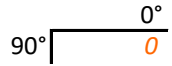
0°	
0°	43590
1°	43548
2°	43438
3°	43254
4°	43018
5°	42725
6°	42341
7°	41909
8°	41412
9°	40836
10°	40212
11°	39501
12°	38752
13°	37953
14°	37105
15°	36182
17.5°	33724
20°	31036
22.5°	28224
25°	25415
27.5°	22707
30°	20100
32.5°	17686
35°	15457
37.5°	13436
40°	11574
42.5°	9943
45°	8473
47.5°	7187
50°	6050
52.5°	5086
55°	4258
57.5°	3573
60°	2972
62.5°	2495
65°	2069
67.5°	1717
70°	1387
72.5°	1137
75°	880
77.5°	640
80°	452
82.5°	274
85°	126
87.5°	27



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)