

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: G2-1902-155-5

Luminaire Tested: **G8-W-PC-360-4000**

Test Date: 03/06/19

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1902-155-5  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/06/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: G8-W-PC-360-4000  
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.6, 4000K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

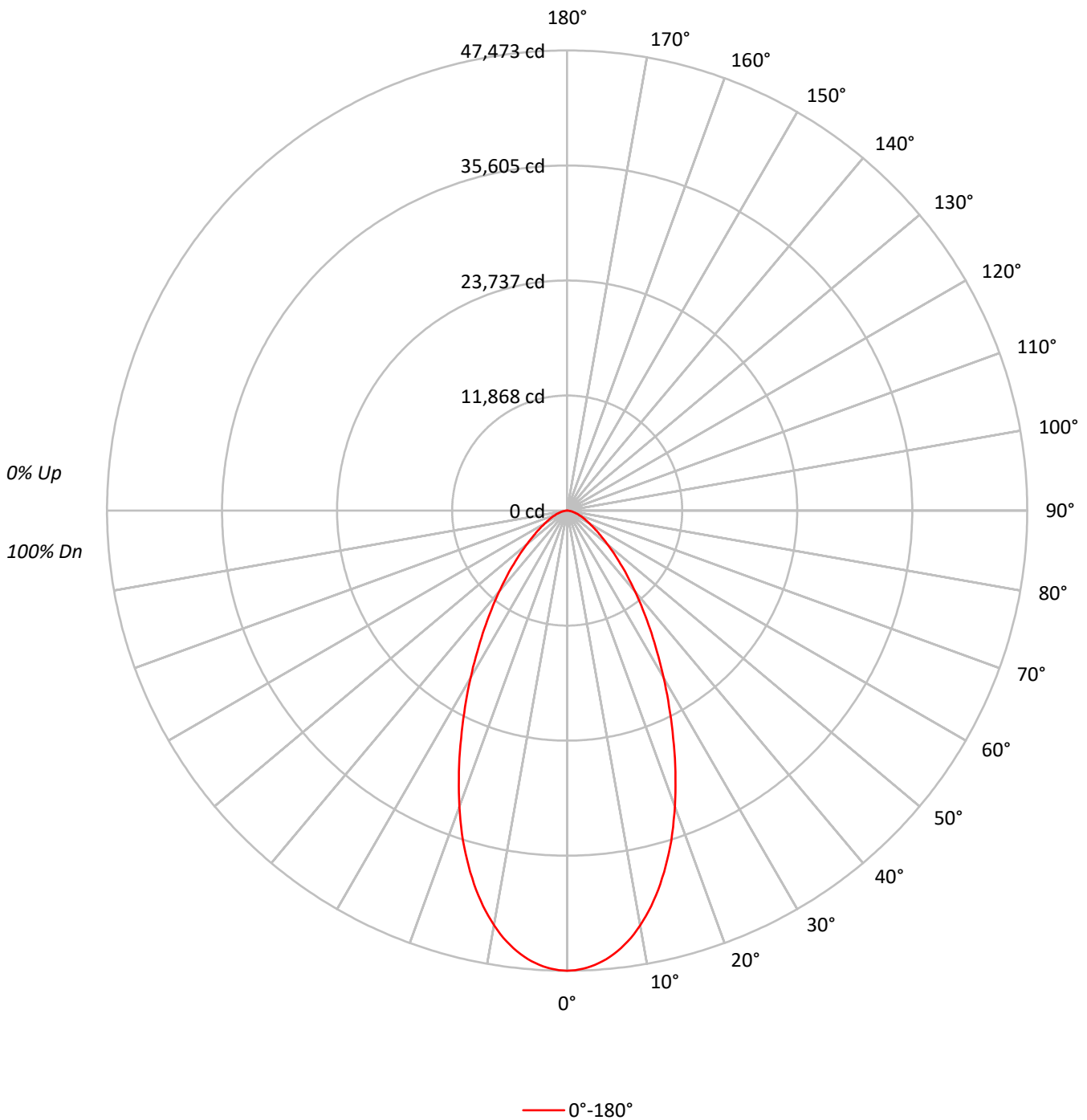
Lumens per Lamp: N/A  
Luminaire Lumens: 48759.4 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85  
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 410.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	103	110	107	104	101	102	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	92	83	77	72	91	82	76	71	80	75	71		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		72	67	64		71	66	63	61
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	67	60	55	76	66	59	55	64	59	54		63	58	54		62	57	54	52
8	73	62	55	51	72	62	55	51	60	54	50		59	54	50		58	53	50	48
9	69	58	52	47	68	58	51	47	57	51	47		56	50	47		55	50	46	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	424723
5°	417194
10°	394728
15°	357707
20°	309407
25°	255662
30°	205508
35°	162549
40°	127243
45°	98575
50°	76037
55°	59148
60°	47668
65°	39735
70°	33299
75°	27861
80°	21278
85°	12010



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4338.8	8.9
10°-20°	10722.2	22.0
20°-30°	11868.7	24.3
30°-40°	9361.3	19.2
40°-50°	6093.8	12.5
50°-60°	3467.6	7.1
60°-70°	1885.5	3.9
70°-80°	862.8	1.8
80°-90°	158.6	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°	26929.7	55.2
0°-40°	36291.0	74.4
0°-60°	45852.5	94.0
0°-90°	48759.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48759.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	47473	
5°	46454	###
15°	38620	10722
25°	25899	11869
35°	14883	9361
45°	7791	6094
55°	3792	3468
65°	1877	1886
75°	806	863
85°	117	159
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	47473
1°	47418
2°	47287
3°	47092
4°	46802
5°	46454
6°	46013
7°	45483
8°	44897
9°	44216
10°	43450
11°	42610
12°	41695
13°	40745
14°	39708
15°	38620
17.5°	35724
20°	32498
22.5°	29169
25°	25899
27.5°	22787
30°	19893
32.5°	17248
35°	14883
37.5°	12782
40°	10895
42.5°	9255
45°	7791
47.5°	6546
50°	5463
52.5°	4537
55°	3792
57.5°	3174
60°	2664
62.5°	2237
65°	1877
67.5°	1551
70°	1273
72.5°	1026
75°	806
77.5°	600
80°	413
82.5°	243
85°	117
87.5°	17



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)