

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: G2-1902-155-43

Luminaire Tested: **G8-W-PC-350-5000**

Test Date: 03/10/19

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1902-155-43  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 03/10/19  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: G8-W-PC-350-5000  
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.5, 5000K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

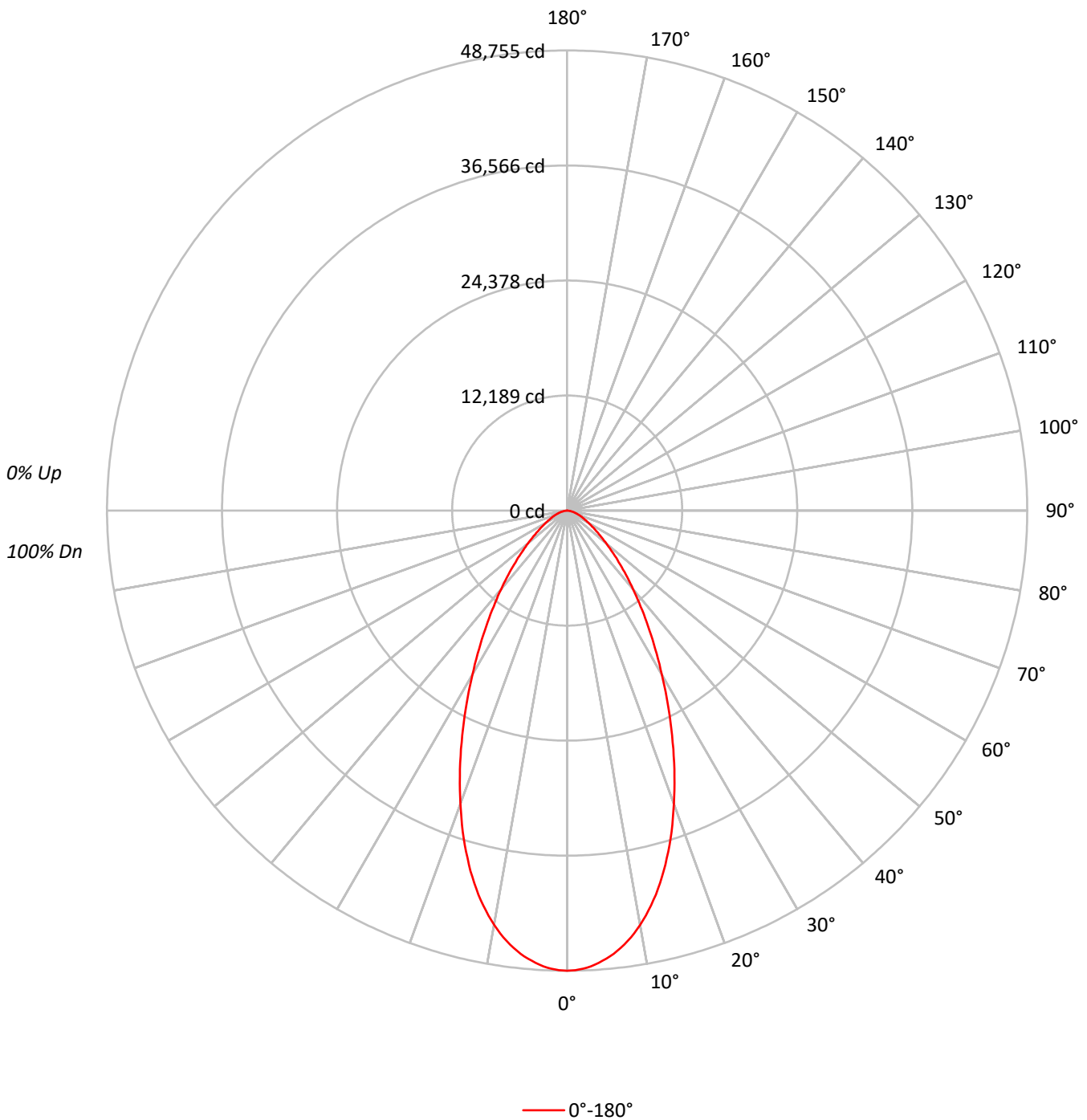
Lumens per Lamp: N/A  
Luminaire Lumens: 49264.1 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.84  
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 412.7  
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	98	93	89	94	90	87		91	88	85		88	86	84	82
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71	67	63	62
6	82	72	65	60	80	71	64	60	69	63	59		68	63	59		66	62	58	57
7	77	67	60	55	76	66	59	55	65	59	55		63	58	54		62	57	54	52
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		58	54	50	49
9	69	59	52	47	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	49	44	65	55	48	44	54	48	44		53	48	44		52	47	44	42

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

	0°
0°	436193
5°	428115
10°	404821
15°	366294
20°	314891
25°	259591
30°	207244
35°	163074
40°	126974
45°	97879
50°	75285
55°	58446
60°	47220
65°	39164
70°	33326
75°	28483
80°	22154
85°	13858



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4451.9	9.0
10°-20°	10965.3	22.3
20°-30°	12043.4	24.4
30°-40°	9394.3	19.1
40°-50°	6052.1	12.3
50°-60°	3430.0	7.0
60°-70°	1869.7	3.8
70°-80°	877.7	1.8
80°-90°	179.7	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°	27460.6	55.7
0°-40°	36854.9	74.8
0°-60°	46336.9	94.1
0°-90°	49264.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49264.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	48755	
5°	47670	###
15°	39547	10965
25°	26297	12043
35°	14931	9394
45°	7736	6052
55°	3747	3430
65°	1850	1870
75°	824	878
85°	135	180
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	48755
1°	48698
2°	48570
3°	48352
4°	48038
5°	47670
6°	47212
7°	46668
8°	46057
9°	45355
10°	44561
11°	43708
12°	42767
13°	41757
14°	40678
15°	39547
17.5°	36454
20°	33074
22.5°	29676
25°	26297
27.5°	23069
30°	20061
32.5°	17351
35°	14931
37.5°	12784
40°	10872
42.5°	9209
45°	7736
47.5°	6472
50°	5409
52.5°	4495
55°	3747
57.5°	3132
60°	2639
62.5°	2205
65°	1850
67.5°	1557
70°	1274
72.5°	1032
75°	824
77.5°	623
80°	430
82.5°	264
85°	135
87.5°	47



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)