

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: G2-1810-991-48

Luminaire Tested: **G8-N-PC-350-6000**

Test Date: 11/05/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-48  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 11/05/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: G8-N-PC-350-6000  
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.5, 6000K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

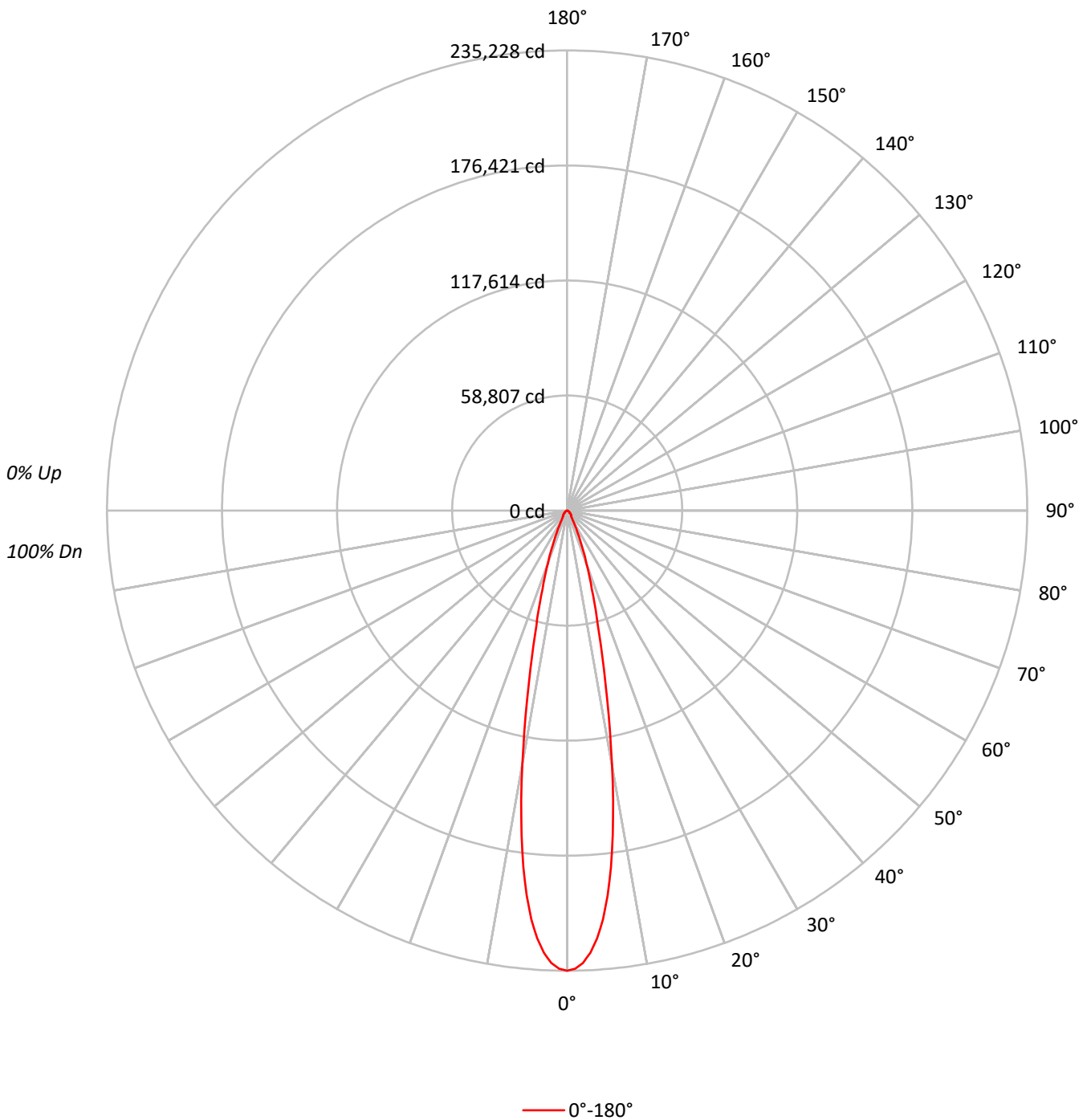
Lumens per Lamp: N/A  
Luminaire Lumens: 48265.6 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.37  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 433  
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	95				95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91				91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87				87
4	102	96	92	89	101	95	91	88	93	90	87	91	88	86	90	87	85	84				84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81				81
6	96	89	84	81	94	88	84	81	87	83	80	86	82	80	84	81	79	78				78
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76				76
8	90	83	78	75	89	82	78	75	81	78	75	81	77	75	80	77	74	73				73
9	88	80	76	73	87	80	76	73	79	75	73	78	75	72	78	75	72	71				71
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69				69

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

	0°
0°	2008838
5°	1797937
10°	1142749
15°	537467
20°	263971
25°	121959
30°	58131
35°	39689
40°	35128
45°	29916
50°	23702
55°	19162
60°	15543
65°	12225
70°	9189
75°	8084
80°	6246
85°	3723



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17475.5	36.2
10°-20°	17797.5	36.9
20°-30°	6485.9	13.4
30°-40°	2519.4	5.2
40°-50°	1902.0	3.9
50°-60°	1160.9	2.4
60°-70°	609.5	1.3
70°-80°	257.9	0.5
80°-90°	57.0	0.1
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°	41758.9	86.5
0°-40°	44278.4	91.7
0°-60°	47341.3	98.1
0°-90°	48265.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48265.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	235228	
5°	209731	###
15°	60791	17798
25°	12943	6486
35°	3807	2519
45°	2477	1902
55°	1287	1161
65°	605	609
75°	245	258
85°	38	57
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

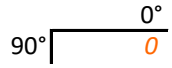
0°	
0°	235228
1°	234248
2°	231386
3°	226382
4°	219201
5°	209731
6°	197887
7°	183674
8°	167442
9°	150284
10°	131779
11°	114483
12°	98265
13°	83635
14°	71183
15°	60791
17.5°	41834
20°	29046
22.5°	19710
25°	12943
27.5°	8597
30°	5895
32.5°	4480
35°	3807
37.5°	3427
40°	3151
42.5°	2855
45°	2477
47.5°	2102
50°	1784
52.5°	1497
55°	1287
57.5°	1078
60°	910
62.5°	754
65°	605
67.5°	472
70°	368
72.5°	295
75°	245
77.5°	191
80°	127
82.5°	93
85°	38
87.5°	15



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)