

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: G2-1810-991-33

Luminaire Tested: **G8-N-PC-350-3500**

Test Date: 10/29/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-33
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/29/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-350-3500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.5, 3500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

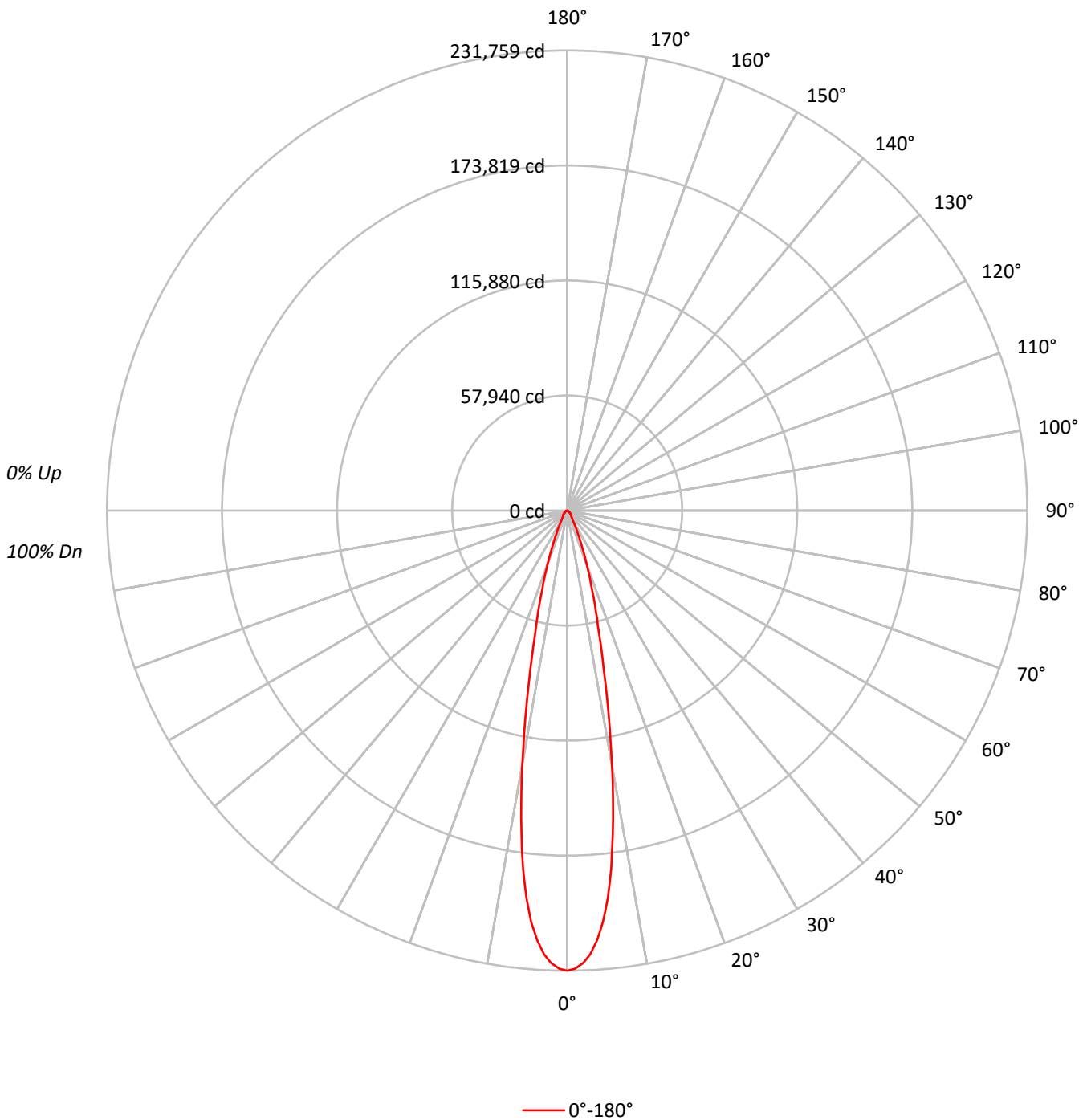
Lumens per Lamp: N/A
Luminaire Lumens: 47585.8 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.37
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 430.8
Input Voltage (V): NR
Input Current (A_{in}): 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	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	89	101	95	91	88	93	90	87	91	89	86	90	87	85	84
5	99	92	88	85	98	92	87	84	90	86	83	88	85	83	87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	80	77	82	79	77	76
8	90	83	79	75	89	83	78	75	82	78	75	81	77	75	80	77	74	73
9	88	80	76	73	87	80	76	73	79	75	73	78	75	73	78	75	72	71
10	85	78	74	71	84	78	74	71	77	73	71	76	73	71	76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1979213
5°	1781880
10°	1127270
15°	530376
20°	261990
25°	120612
30°	56918
35°	38563
40°	34414
45°	29396
50°	23038
55°	18626
60°	14911
65°	11801
70°	8839
75°	7556
80°	6246
85°	4605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17264.8	36.3
10°-20°	17562.6	36.9
20°-30°	6404.0	13.5
30°-40°	2459.0	5.2
40°-50°	1862.2	3.9
50°-60°	1136.3	2.4
60°-70°	593.1	1.2
70°-80°	248.4	0.5
80°-90°	55.3	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°	41231.4	86.6
0°-40°	43690.4	91.8
0°-60°	46688.9	98.1
0°-90°	47585.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	47585.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	231759	
5°	207858	###
15°	59989	17563
25°	12800	6404
35°	3699	2459
45°	2434	1862
55°	1251	1136
65°	584	593
75°	229	248
85°	47	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	231759
1°	230764
2°	228103
3°	223606
4°	216872
5°	207858
6°	196123
7°	181680
8°	165353
9°	147763
10°	129994
11°	112778
12°	96537
13°	82275
14°	70111
15°	59989
17.5°	41486
20°	28828
22.5°	19479
25°	12800
27.5°	8422
30°	5772
32.5°	4369
35°	3699
37.5°	3350
40°	3087
42.5°	2794
45°	2434
47.5°	2056
50°	1734
52.5°	1477
55°	1251
57.5°	1067
60°	873
62.5°	734
65°	584
67.5°	472
70°	354
72.5°	290
75°	229
77.5°	183
80°	127
82.5°	88
85°	47
87.5°	5



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)