

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: G2-1810-991-53

Luminaire Tested: **G8-N-PC-350-6500**

Test Date: 11/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-53
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/06/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-350-6500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.5, 6500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

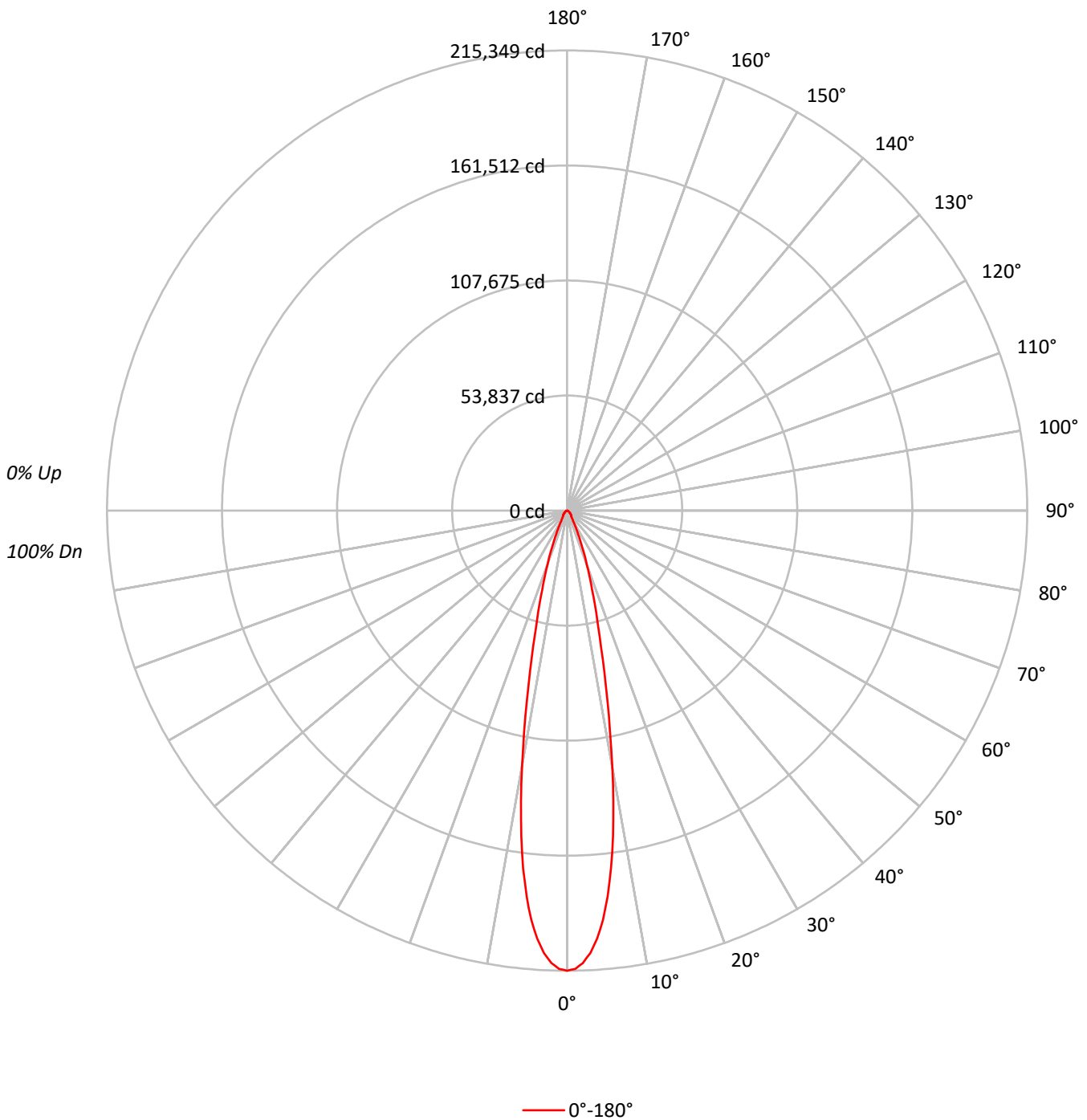
Lumens per Lamp: N/A
Luminaire Lumens: 44539.2 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.37
Luminous Opening: Rectangular (W 1.38' x L: 0.96' x H: 0')
CIE Type: Direct

Input Watts (W): 402.4
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	104	103		102	101	100		99	98	97	95
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	91		95	92	90		93	90	89	87
4	102	96	92	89	101	95	91	88	93	90	87		91	88	86		90	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	77		83	79	77		82	79	77	75
8	90	83	78	75	89	82	78	75	81	78	75		80	77	75		80	77	74	73
9	88	80	76	73	87	80	76	73	79	75	73		78	75	72		78	74	72	71
10	85	78	74	71	84	78	73	71	77	73	70		76	73	70		76	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1759114
5°	1576999
10°	1006427
15°	473548
20°	234969
25°	109888
30°	52076
35°	35112
40°	30935
45°	26385
50°	20816
55°	16891
60°	13658
65°	10669
70°	8335
75°	6786
80°	6539
85°	4499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16040.5	36.0
10°-20°	16409.4	36.8
20°-30°	6066.1	13.6
30°-40°	2337.9	5.2
40°-50°	1753.6	3.9
50°-60°	1070.1	2.4
60°-70°	561.3	1.3
70°-80°	240.1	0.5
80°-90°	60.2	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°	38516.0	86.5
0°-40°	40853.8	91.7
0°-60°	43677.5	98.1
0°-90°	44539.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	44539.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	215349	
5°	192320	###
15°	55996	16409
25°	12192	6066
35°	3521	2338
45°	2284	1754
55°	1186	1070
65°	552	561
75°	215	240
85°	48	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	215349
1°	214490
2°	211841
3°	207318
4°	200820
5°	192320
6°	181565
7°	168696
8°	153960
9°	138105
10°	121334
11°	105250
12°	90579
13°	77098
14°	65612
15°	55996
17.5°	38585
20°	27030
22.5°	18442
25°	12192
27.5°	8004
30°	5521
32.5°	4180
35°	3521
37.5°	3161
40°	2901
42.5°	2629
45°	2284
47.5°	1946
50°	1638
52.5°	1378
55°	1186
57.5°	1000
60°	836
62.5°	687
65°	552
67.5°	443
70°	349
72.5°	284
75°	215
77.5°	168
80°	139
82.5°	86
85°	48
87.5°	18



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)