

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: G2-1902-155-53

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

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-53
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/10/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-350-6500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.5, 6500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

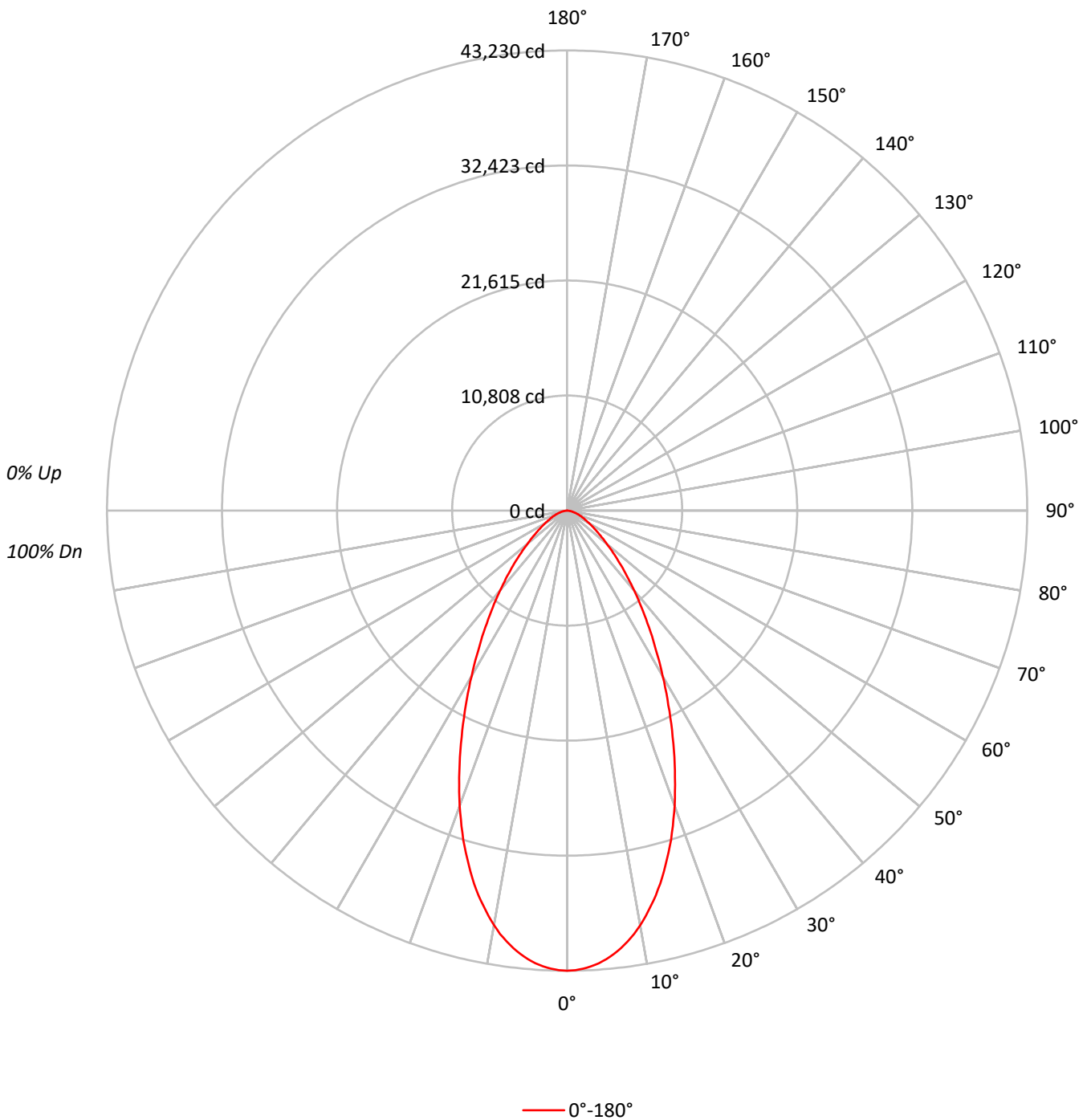
Lumens per Lamp: N/A
Luminaire Lumens: 44076.8 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 401.3
Input Voltage (V): NR
Input Current (Ain): 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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91				91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	82				82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74				74
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67				67
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61				61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56				56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	54	50	48				48
9	69	58	52	47	68	58	51	47	57	51	47	56	51	47	55	50	47	45				45
10	66	55	48	44	65	54	48	44	54	48	44	53	47	44	52	47	44	42				42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	386763
5°	379852
10°	359470
15°	325262
20°	280968
25°	231586
30°	185487
35°	146210
40°	114080
45°	88529
50°	67936
55°	52924
60°	42640
65°	35649
70°	30344
75°	25545
80°	19321
85°	11702



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3951.0	9.0
10°-20°	9747.0	22.1
20°-30°	10747.1	24.4
30°-40°	8421.5	19.1
40°-50°	5459.2	12.4
50°-60°	3104.8	7.0
60°-70°	1702.3	3.9
70°-80°	790.0	1.8
80°-90°	154.0	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°	24445.0	55.5
0°-40°	32866.5	74.6
0°-60°	41430.6	94.0
0°-90°	44076.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	44076.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	43230	
5°	42296	###
15°	35117	9747
25°	23460	10747
35°	13387	8422
45°	6997	5459
55°	3393	3105
65°	1684	1702
75°	739	790
85°	114	154
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	43230
1°	43194
2°	43062
3°	42884
4°	42625
5°	42296
6°	41902
7°	41418
8°	40877
9°	40265
10°	39569
11°	38777
12°	37933
13°	37074
14°	36125
15°	35117
17.5°	32438
20°	29511
22.5°	26447
25°	23460
27.5°	20594
30°	17955
32.5°	15534
35°	13387
37.5°	11477
40°	9768
42.5°	8288
45°	6997
47.5°	5854
50°	4881
52.5°	4076
55°	3393
57.5°	2837
60°	2383
62.5°	2014
65°	1684
67.5°	1421
70°	1160
72.5°	949
75°	739
77.5°	543
80°	375
82.5°	226
85°	114
87.5°	39



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)