

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: G2-1902-155-48

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

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-48
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-350-6000
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.5, 6000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

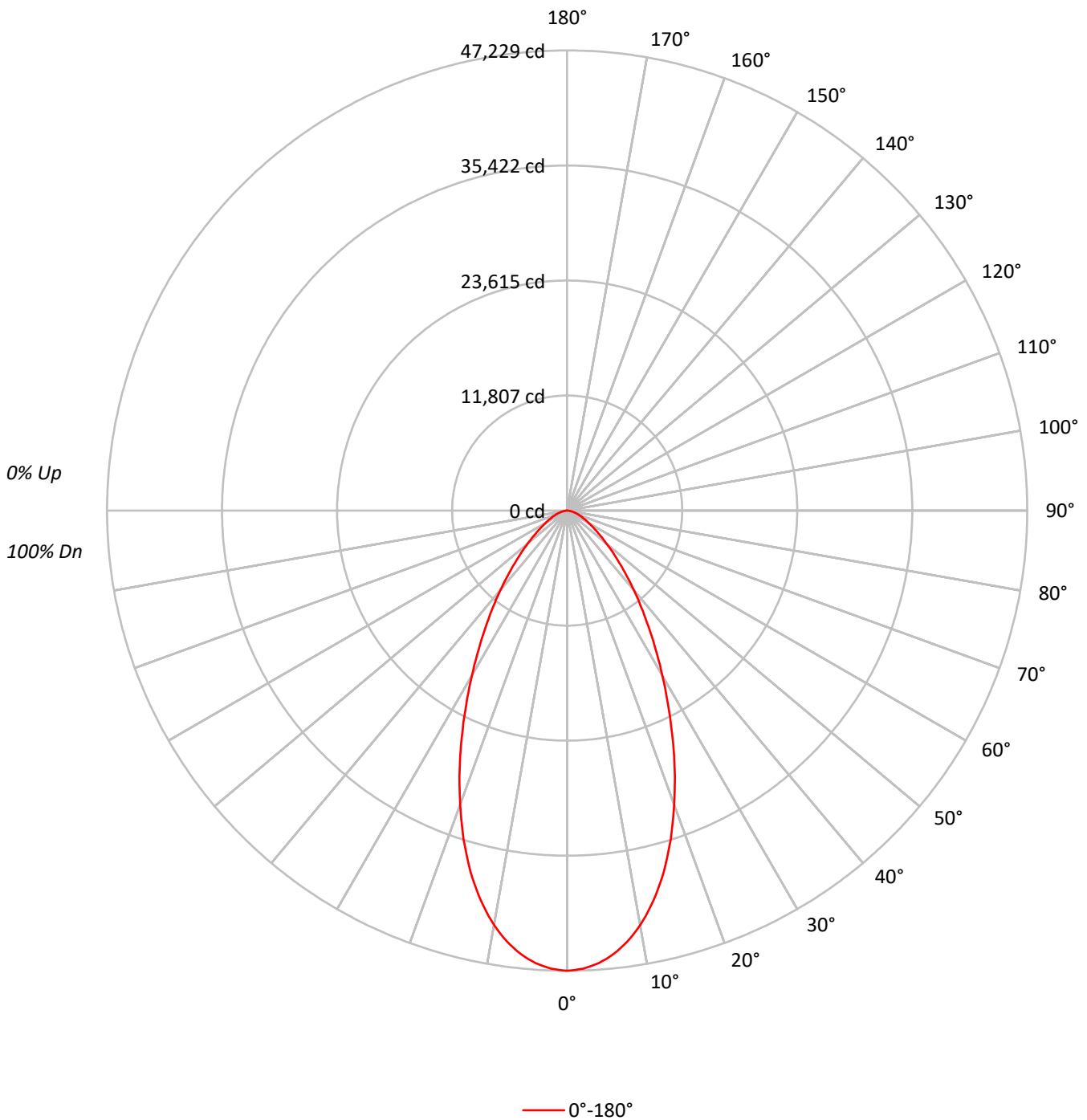
Lumens per Lamp: N/A
Luminaire Lumens: 47982.4 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.84
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 431.8
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	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	97	93	89	94	90	87	91	88	85	88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	82	72	65	60	80	71	64	59	69	63	59	68	62	59	66	62	58	56
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	55	51	72	62	55	51	61	55	50	59	54	50	58	54	50	48
9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	54	48	44	53	47	44	52	47	44	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422540
5°	414796
10°	392384
15°	355197
20°	305894
25°	252197
30°	201841
35°	158738
40°	124148
45°	95652
50°	73782
55°	57323
60°	46254
65°	38613
70°	32881
75°	28069
80°	22051
85°	13755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4313.3	9.0
10°-20°	10634.3	22.2
20°-30°	11706.4	24.4
30°-40°	9158.0	19.1
40°-50°	5918.0	12.3
50°-60°	3365.7	7.0
60°-70°	1839.4	3.8
70°-80°	867.5	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°	26654.0	55.5
0°-40°	35812.1	74.6
0°-60°	45095.8	94.0
0°-90°	47982.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	47982.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	47229	
5°	46187	###
15°	38349	10634
25°	25548	11706
35°	14534	9158
45°	7560	5918
55°	3675	3366
65°	1824	1839
75°	812	868
85°	134	180
90°	0	



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CANDELA DISTRIBUTION (FULL):

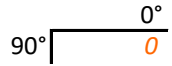
0°	
0°	47229
1°	47159
2°	47040
3°	46827
4°	46541
5°	46187
6°	45747
7°	45213
8°	44618
9°	43947
10°	43192
11°	42353
12°	41429
13°	40468
14°	39447
15°	38349
17.5°	35363
20°	32129
22.5°	28840
25°	25548
27.5°	22428
30°	19538
32.5°	16915
35°	14534
37.5°	12474
40°	10630
42.5°	8998
45°	7560
47.5°	6334
50°	5301
52.5°	4424
55°	3675
57.5°	3068
60°	2585
62.5°	2174
65°	1824
67.5°	1527
70°	1257
72.5°	1037
75°	812
77.5°	601
80°	428
82.5°	264
85°	134
87.5°	49



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)