

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: G2-1902-155-18

Luminaire Tested: **G8-W-PC-360-5600**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-18
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/07/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-W-PC-360-5600
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.6, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

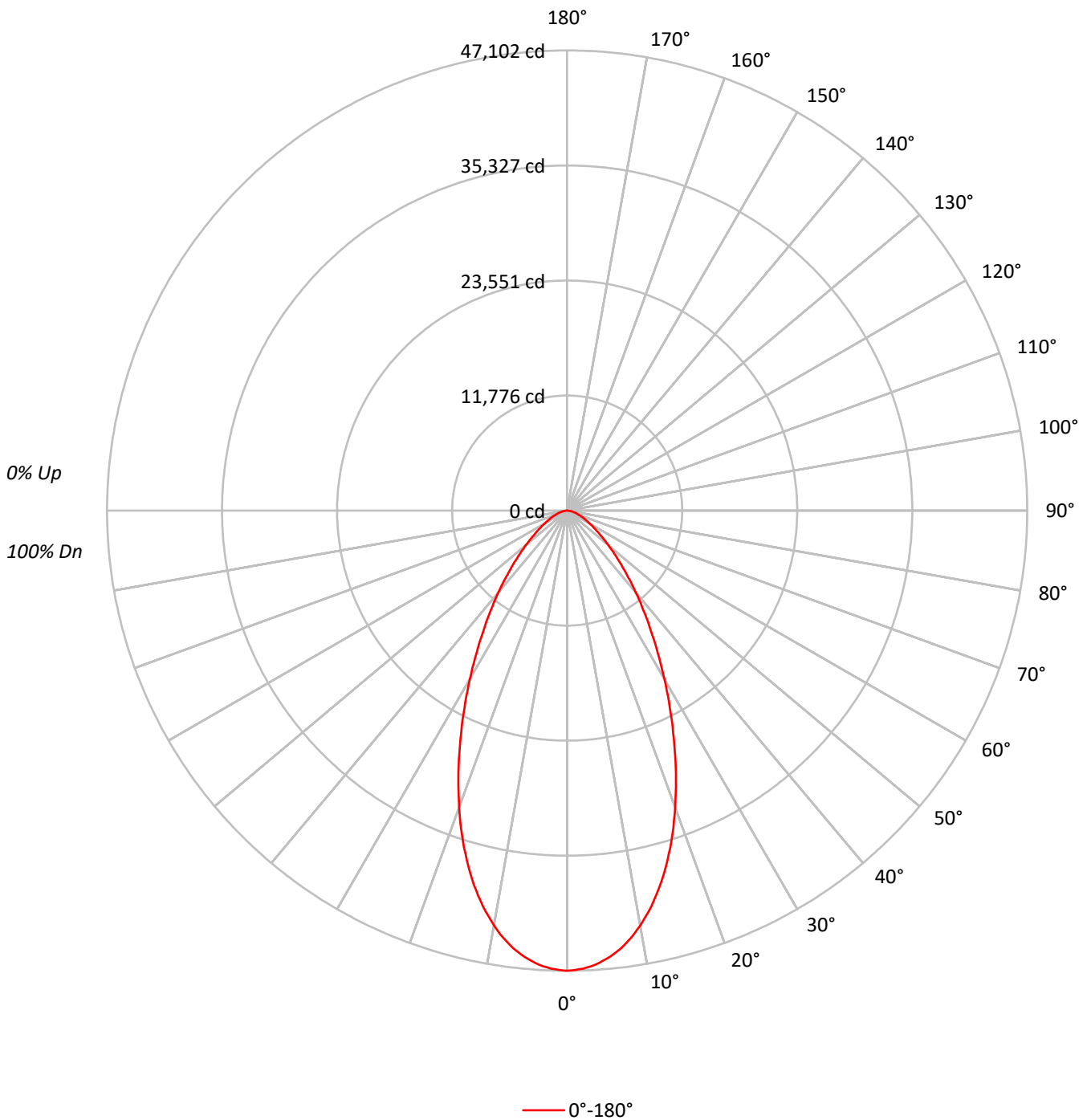
Lumens per Lamp: N/A
Luminaire Lumens: 48718.5 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 419.8
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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	98	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	75	74
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71	66	63	61
6	82	71	64	59	80	71	64	59	69	63	59		67	62	58		66	61	58	56
7	77	66	59	55	76	66	59	54	64	58	54		63	58	54		62	57	53	52
8	73	62	55	50	72	61	55	50	60	54	50		59	54	50		58	53	50	48
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55	50	46	45
10	66	55	48	44	64	54	48	44	53	48	44		52	47	43		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	421404
5°	413782
10°	391839
15°	355559
20°	307884
25°	255080
30°	205560
35°	162659
40°	127593
45°	98854
50°	76482
55°	59662
60°	47918
65°	39862
70°	33587
75°	28276
80°	20969
85°	12934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4305.0	8.8
10°-20°	10654.9	21.9
20°-30°	11841.7	24.3
30°-40°	9368.9	19.2
40°-50°	6106.5	12.5
50°-60°	3497.3	7.2
60°-70°	1903.3	3.9
70°-80°	872.1	1.8
80°-90°	168.7	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°	26801.7	55.0
0°-40°	36170.6	74.2
0°-60°	45774.4	94.0
0°-90°	48718.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48718.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	47102	
5°	46074	###
15°	38388	10655
25°	25840	11842
35°	14893	9369
45°	7813	6107
55°	3825	3497
65°	1883	1903
75°	818	872
85°	126	169
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	47102
1°	47030
2°	46915
3°	46713
4°	46431
5°	46074
6°	45652
7°	45144
8°	44548
9°	43874
10°	43132
11°	42286
12°	41427
13°	40449
14°	39457
15°	38388
17.5°	35504
20°	32338
22.5°	29078
25°	25840
27.5°	22763
30°	19898
32.5°	17262
35°	14893
37.5°	12788
40°	10925
42.5°	9266
45°	7813
47.5°	6548
50°	5495
52.5°	4579
55°	3825
57.5°	3209
60°	2678
62.5°	2263
65°	1883
67.5°	1578
70°	1284
72.5°	1045
75°	818
77.5°	602
80°	407
82.5°	255
85°	126
87.5°	36



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)