

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: G2-1902-155-35

Luminaire Tested: **G8-W-PC-450-3500**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-35
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/09/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-450-3500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.5, 3500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

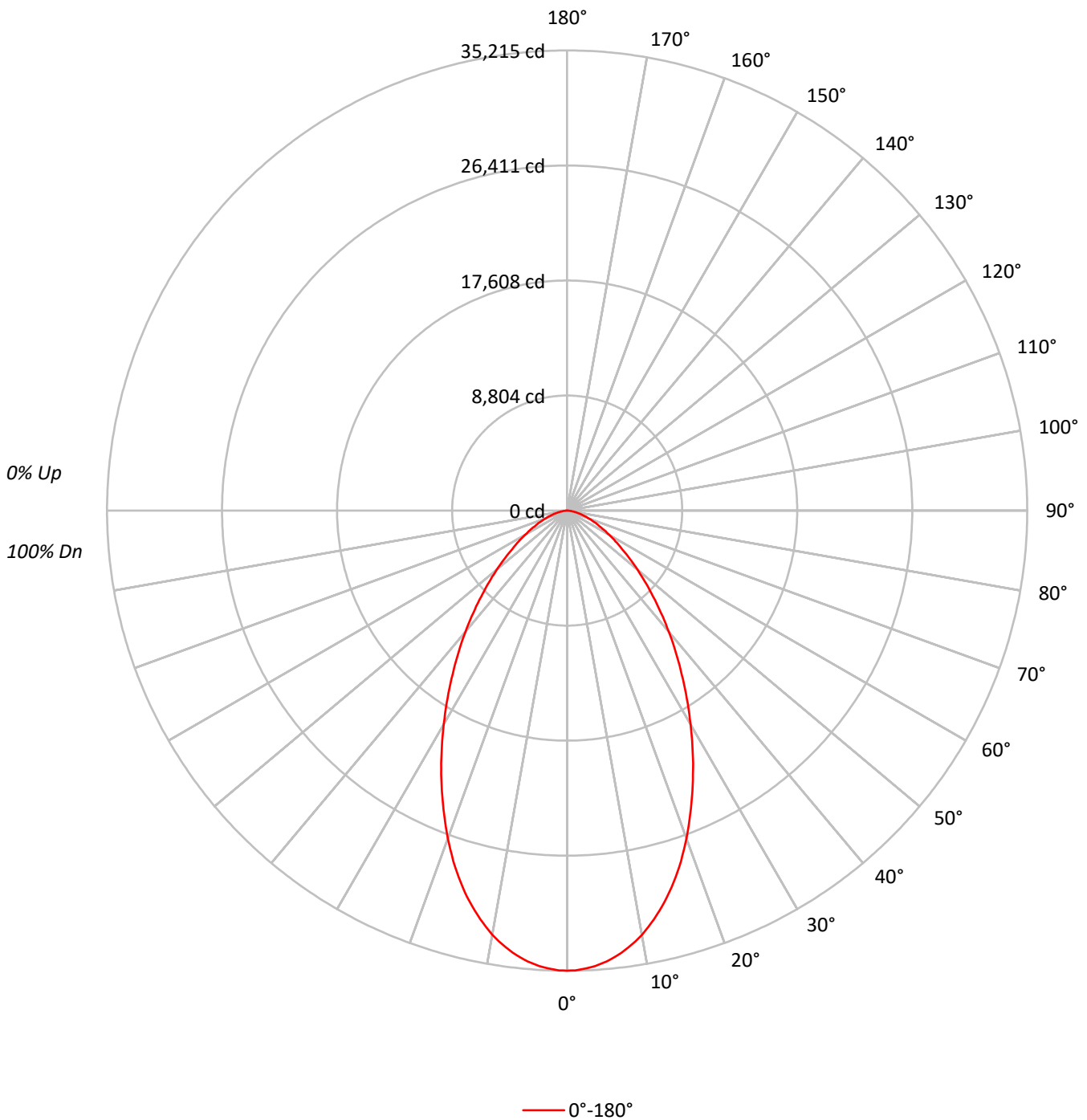
Lumens per Lamp: N/A
Luminaire Lumens: 47609.9 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.97
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 403.1
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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94	93	91	89
2	104	97	92	87	101	95	91	86	92	88	84		89	86	83		86	83	81	79
3	96	88	82	76	94	87	81	76	84	79	74		81	77	73		79	75	72	70
4	90	80	73	68	88	79	72	67	77	71	66		74	69	65		72	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59		68	63	59		67	62	58	57
6	79	67	60	54	77	67	59	54	65	59	54		63	58	53		62	57	53	51
7	74	62	55	50	72	61	54	49	60	54	49		59	53	49		57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315056
5°	311014
10°	299385
15°	280062
20°	254158
25°	224745
30°	195064
35°	166940
40°	141293
45°	117794
50°	97652
55°	79971
60°	66295
65°	55422
70°	46326
75°	37713
80°	29161
85°	15603



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3252.5	6.8
10°-20°	8436.5	17.7
20°-30°	10437.4	21.9
30°-40°	9570.2	20.1
40°-50°	7227.7	15.2
50°-60°	4657.0	9.8
60°-70°	2627.6	5.5
70°-80°	1181.9	2.5
80°-90°	219.1	0.5
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°	22126.3	46.5
0°-40°	31696.6	66.6
0°-60°	43581.3	91.5
0°-90°	47609.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	47609.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	35215	
5°	34631	###
15°	30237	8436
25°	22767	10437
35°	15285	9570
45°	9310	7228
55°	5127	4657
65°	2618	2628
75°	1091	1182
85°	152	219
90°	0	



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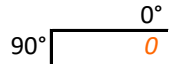
CANDELA DISTRIBUTION (FULL):

0°	
0°	35215
1°	35197
2°	35107
3°	34997
4°	34837
5°	34631
6°	34386
7°	34093
8°	33745
9°	33383
10°	32955
11°	32471
12°	31968
13°	31429
14°	30852
15°	30237
17.5°	28566
20°	26695
22.5°	24739
25°	22767
27.5°	20819
30°	18882
32.5°	17046
35°	15285
37.5°	13646
40°	12098
42.5°	10644
45°	9310
47.5°	8098
50°	7016
52.5°	6019
55°	5127
57.5°	4383
60°	3705
62.5°	3125
65°	2618
67.5°	2157
70°	1771
72.5°	1416
75°	1091
77.5°	811
80°	566
82.5°	334
85°	152
87.5°	37



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)