

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: G2-1902-155-9

Luminaire Tested: **G8-W-PC-440-4000**

Test Date: 03/06/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-9
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/06/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-440-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.4, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

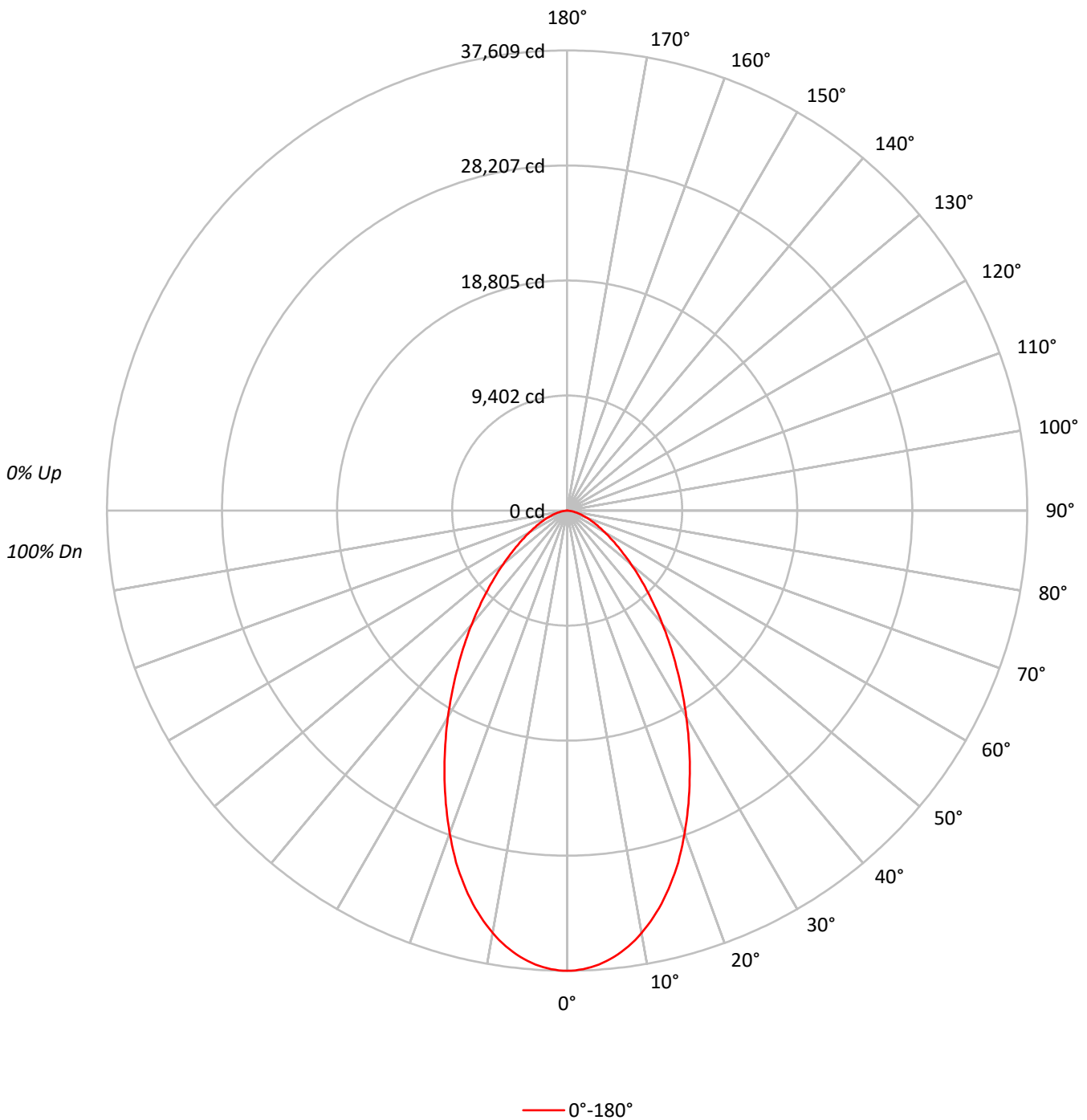
Lumens per Lamp: N/A
Luminaire Lumens: 48497.6 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 392.7
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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	89	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73	69	65	64
5	85	74	67	61	83	73	66	61	71	65	60		69	64	60		68	63	59	57
6	79	68	61	55	77	67	60	55	66	59	55		64	59	54		63	58	54	52
7	74	63	56	50	73	62	55	50	61	55	50		60	54	50		58	53	49	48
8	70	59	51	46	69	58	51	46	57	50	46		56	50	46		54	49	45	44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	41
10	62	51	44	40	61	51	44	40	50	44	39		49	43	39		48	43	39	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	336474
5°	331949
10°	318526
15°	296688
20°	267173
25°	234103
30°	201304
35°	169823
40°	141433
45°	116428
50°	94841
55°	77475
60°	63467
65°	52691
70°	43946
75°	36330
80°	27513
85°	14268



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3467.8	7.2
10°-20°	8928.8	18.4
20°-30°	10871.4	22.4
30°-40°	9737.1	20.1
40°-50°	7147.5	14.7
50°-60°	4497.2	9.3
60°-70°	2506.8	5.2
70°-80°	1128.2	2.3
80°-90°	212.8	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°	23268.0	48.0
0°-40°	33005.0	68.1
0°-60°	44649.8	92.1
0°-90°	48497.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48497.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	37609	
5°	36962	###
15°	32032	8929
25°	23715	10871
35°	15549	9737
45°	9202	7148
55°	4967	4497
65°	2489	2507
75°	1051	1128
85°	139	213
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	37609
1°	37595
2°	37499
3°	37366
4°	37194
5°	36962
6°	36682
7°	36346
8°	35968
9°	35546
10°	35062
11°	34526
12°	33951
13°	33359
14°	32710
15°	32032
17.5°	30173
20°	28062
22.5°	25910
25°	23715
27.5°	21559
30°	19486
32.5°	17433
35°	15549
37.5°	13792
40°	12110
42.5°	10593
45°	9202
47.5°	7949
50°	6814
52.5°	5823
55°	4967
57.5°	4205
60°	3547
62.5°	2996
65°	2489
67.5°	2051
70°	1680
72.5°	1331
75°	1051
77.5°	793
80°	534
82.5°	326
85°	139
87.5°	51



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)