

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: G2-1902-155-44

Luminaire Tested: **G8-W-PC-400-5000**

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-44
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-400-5000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4, 5000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

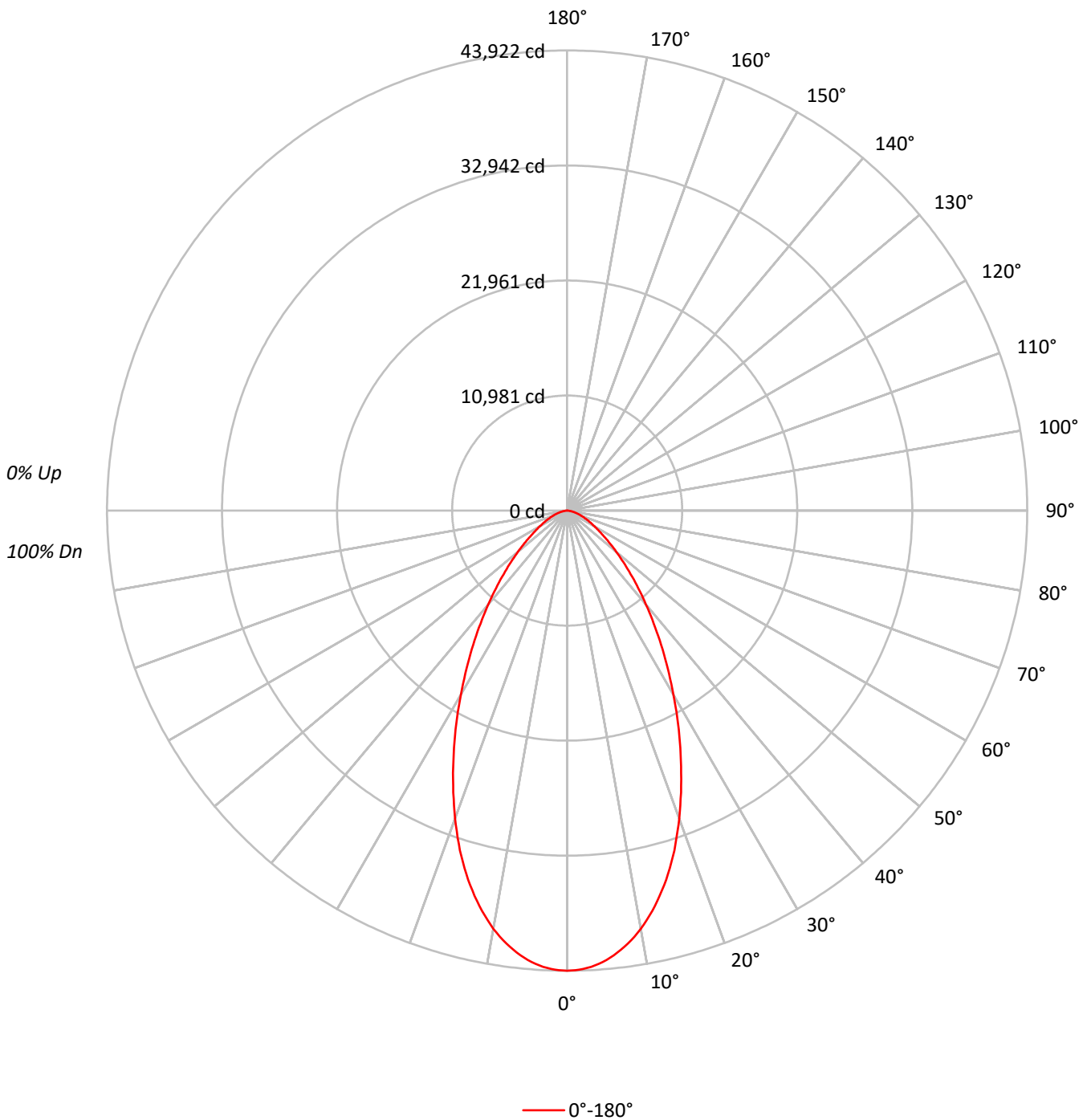
Lumens per Lamp: N/A
Luminaire Lumens: 49565.4 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.89
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 404.9
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	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	92	82	76	71	90	81	75	70	79	73	69	77	72	68	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	50
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	392954
5°	386722
10°	368228
15°	337960
20°	297744
25°	252819
30°	209362
35°	170621
40°	136784
45°	108280
50°	85112
55°	67056
60°	53948
65°	44371
70°	37223
75°	30592
80°	23185
85°	14063



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4029.4	8.1
10°-20°	10146.3	20.5
20°-30°	11739.7	23.7
30°-40°	9793.6	19.8
40°-50°	6673.8	13.5
50°-60°	3918.7	7.9
60°-70°	2117.4	4.3
70°-80°	954.6	1.9
80°-90°	191.9	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°	25915.4	52.3
0°-40°	35708.9	72.0
0°-60°	46301.4	93.4
0°-90°	49565.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49565.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	43922	
5°	43061	###
15°	36488	10146
25°	25611	11740
35°	15622	9794
45°	8558	6674
55°	4299	3919
65°	2096	2117
75°	885	955
85°	137	192
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	43922
1°	43891
2°	43777
3°	43606
4°	43370
5°	43061
6°	42677
7°	42226
8°	41737
9°	41159
10°	40533
11°	39825
12°	39053
13°	38253
14°	37386
15°	36488
17.5°	34023
20°	31273
22.5°	28437
25°	25611
27.5°	22924
30°	20266
32.5°	17850
35°	15622
37.5°	13566
40°	11712
42.5°	10048
45°	8558
47.5°	7256
50°	6115
52.5°	5131
55°	4299
57.5°	3595
60°	3015
62.5°	2524
65°	2096
67.5°	1734
70°	1423
72.5°	1136
75°	885
77.5°	666
80°	450
82.5°	293
85°	137
87.5°	51



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)