

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: G2-1902-155-13

Luminaire Tested: **G8-W-PC-500-4000**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-13
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/07/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-500-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 5, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

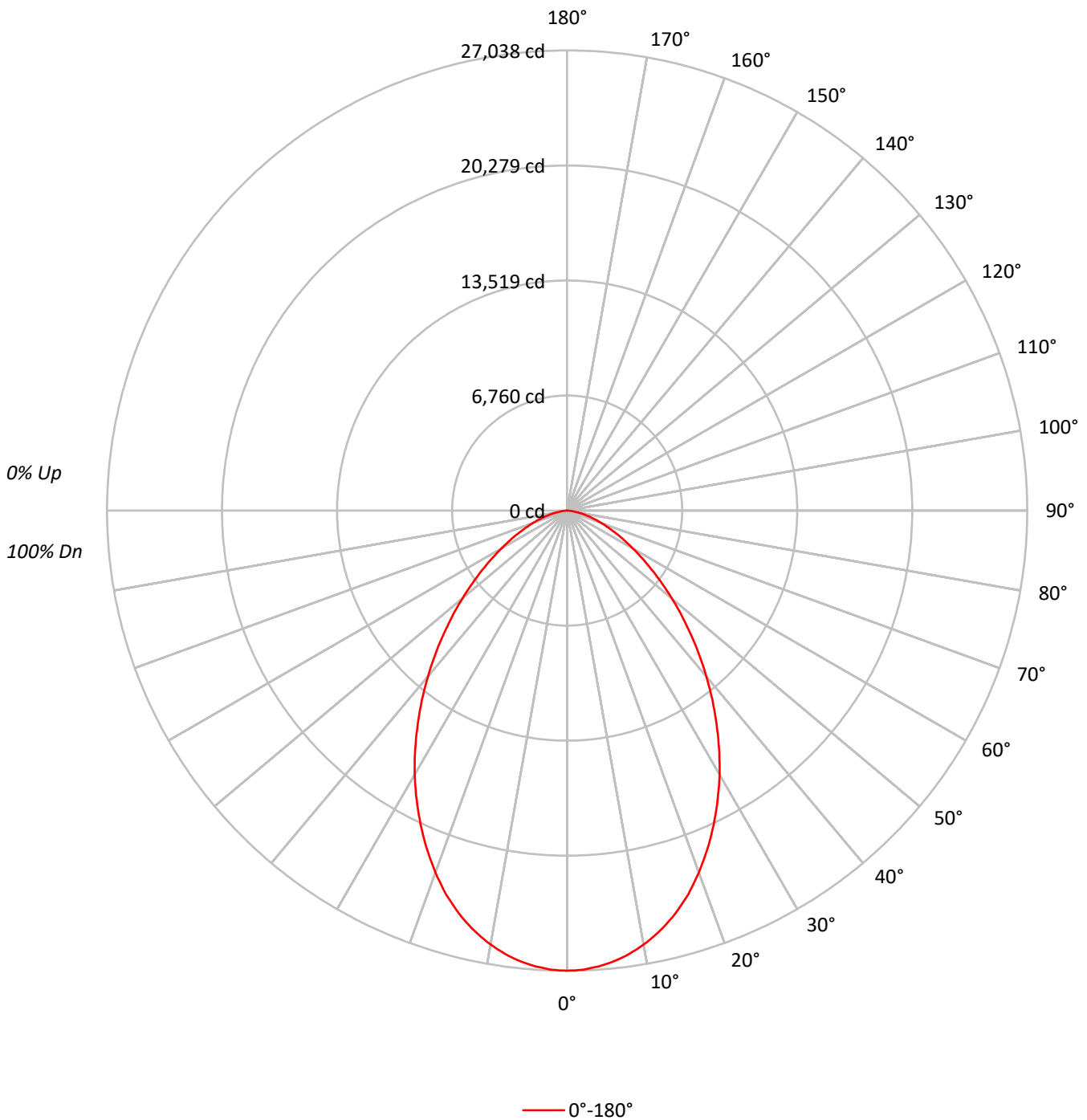
Lumens per Lamp: N/A
Luminaire Lumens: 46571.2 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.1
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 399.8
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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	55	64	59	55	53
6	76	64	57	51	74	64	56	51	62	55	50	60	54	50	59	54	49	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	55	47	42	65	54	47	41	53	46	41	51	45	41	50	45	41	39
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	47	41	37	36
10	59	47	40	35	58	46	40	35	46	39	35	45	39	35	44	38	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	241899
5°	240111
10°	235238
15°	227184
20°	215494
25°	201073
30°	185074
35°	167115
40°	148463
45°	129675
50°	111863
55°	94867
60°	80287
65°	67319
70°	55926
75°	45214
80°	33747
85°	18375



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2525.4	5.4
10°-20°	6877.6	14.8
20°-30°	9347.2	20.1
30°-40°	9554.1	20.5
40°-50°	7931.5	17.0
50°-60°	5486.2	11.8
60°-70°	3186.5	6.8
70°-80°	1410.9	3.0
80°-90°	251.8	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°	18750.2	40.3
0°-40°	28304.3	60.8
0°-60°	41722.0	89.6
0°-90°	46571.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	46571.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	27038	
5°	26736	###
15°	24528	6878
25°	20369	9347
35°	15301	9554
45°	10249	7931
55°	6082	5486
65°	3180	3186
75°	1308	1411
85°	179	252
90°	0	



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CANDELA DISTRIBUTION (FULL):

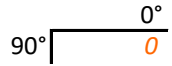
0°	
0°	27038
1°	27020
2°	26989
3°	26915
4°	26841
5°	26736
6°	26610
7°	26465
8°	26299
9°	26102
10°	25894
11°	25657
12°	25406
13°	25137
14°	24836
15°	24528
17.5°	23651
20°	22634
22.5°	21531
25°	20369
27.5°	19156
30°	17915
32.5°	16613
35°	15301
37.5°	14013
40°	12712
42.5°	11483
45°	10249
47.5°	9116
50°	8037
52.5°	7014
55°	6082
57.5°	5238
60°	4487
62.5°	3789
65°	3180
67.5°	2619
70°	2138
72.5°	1692
75°	1308
77.5°	960
80°	655
82.5°	383
85°	179
87.5°	37



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)