

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: G2-1902-155-6

Luminaire Tested: **G8-W-PC-380-4000**

Test Date: 03/06/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-6
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-380-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3.8, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

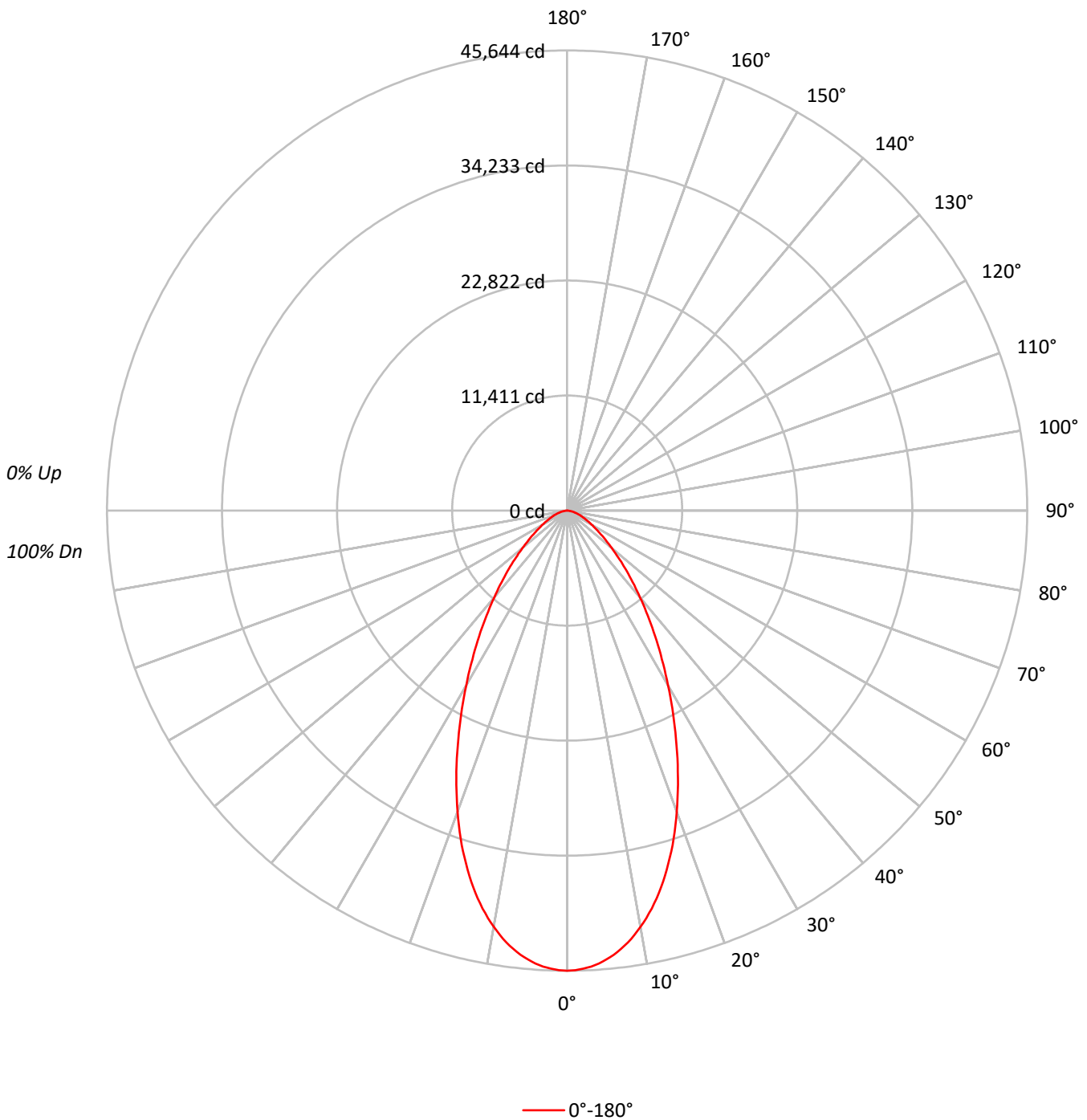
Lumens per Lamp: N/A
Luminaire Lumens: 49049.9 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 407.2
Input Voltage (V): NR
Input Current (Ain): 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	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	57	53	49	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	408360
5°	401415
10°	380910
15°	347436
20°	302771
25°	253392
30°	206614
35°	166088
40°	131377
45°	103130
50°	80268
55°	62922
60°	50548
65°	41831
70°	35680
75°	29624
80°	22927
85°	14268



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4179.1	8.5
10°-20°	10417.8	21.2
20°-30°	11765.3	24.0
30°-40°	9543.9	19.5
40°-50°	6359.6	13.0
50°-60°	3682.9	7.5
60°-70°	1997.4	4.1
70°-80°	922.5	1.9
80°-90°	181.5	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°	26362.2	53.7
0°-40°	35906.1	73.2
0°-60°	45948.6	93.7
0°-90°	49049.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49049.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	45644	
5°	44697	###
15°	37511	10418
25°	25669	11765
35°	15207	9544
45°	8151	6360
55°	4034	3683
65°	1976	1997
75°	857	923
85°	139	181
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	45644
1°	45606
2°	45475
3°	45307
4°	45044
5°	44697
6°	44298
7°	43814
8°	43262
9°	42631
10°	41929
11°	41182
12°	40350
13°	39460
14°	38508
15°	37511
17.5°	34793
20°	31801
22.5°	28721
25°	25669
27.5°	22769
30°	20000
32.5°	17499
35°	15207
37.5°	13122
40°	11249
42.5°	9616
45°	8151
47.5°	6872
50°	5767
52.5°	4822
55°	4034
57.5°	3380
60°	2825
62.5°	2380
65°	1976
67.5°	1636
70°	1364
72.5°	1098
75°	857
77.5°	642
80°	445
82.5°	269
85°	139
87.5°	37



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)