

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: G2-1902-155-11

Luminaire Tested: **G8-W-PC-460-4000**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-11
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-460-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.6, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

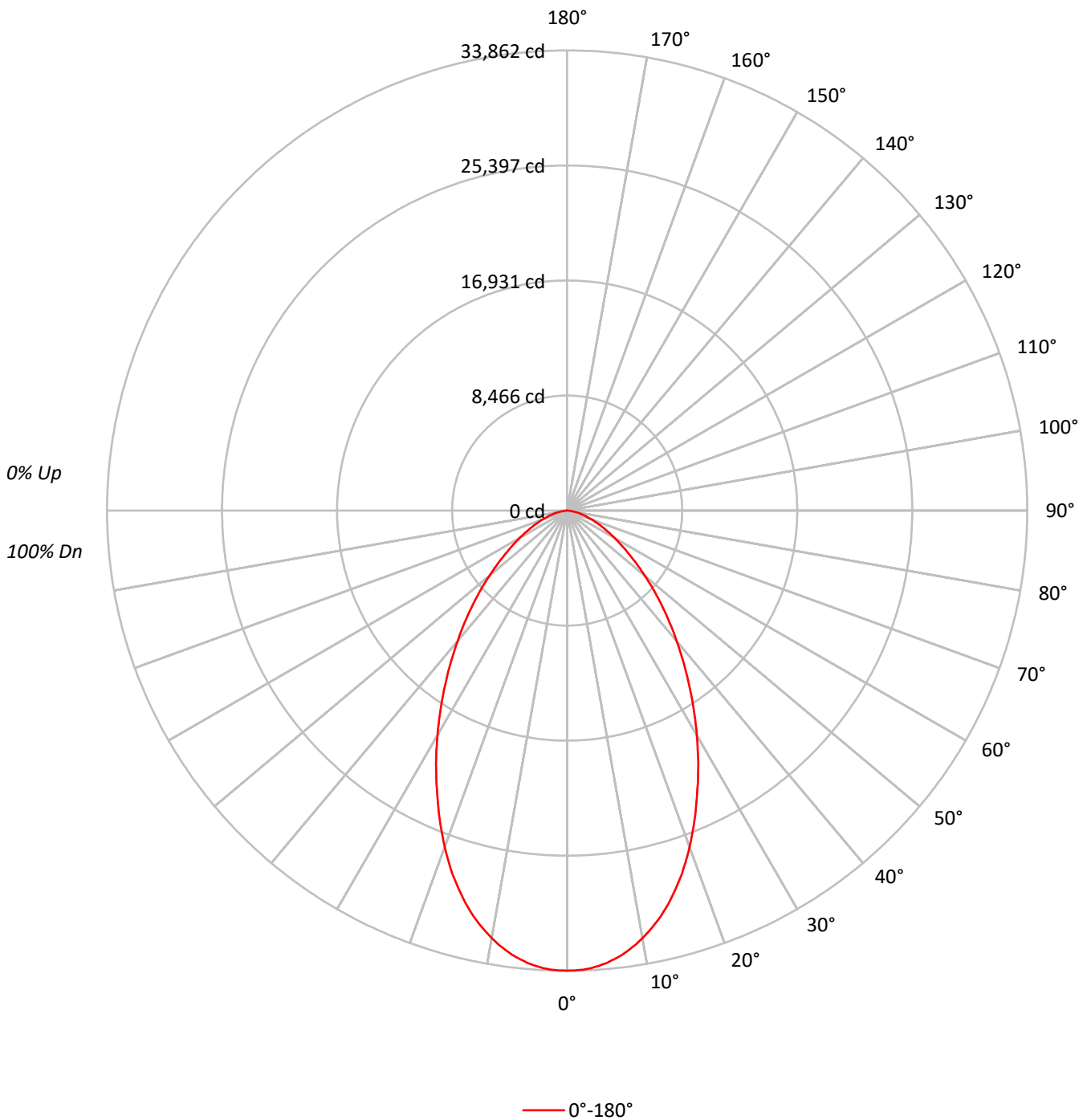
Lumens per Lamp: N/A
Luminaire Lumens: 48628.5 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 1
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 390.4
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	101	109	105	102	100	101	99	96		97	95	94		94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84		88	85	82		86	83	80	78
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78	74	71	69
4	89	79	72	67	87	78	71	66	76	70	65		74	69	65		72	67	64	62
5	83	73	65	59	81	72	64	59	70	63	59		68	62	58		66	61	57	56
6	78	67	59	53	76	66	59	53	64	58	53		62	57	52		61	56	52	50
7	73	61	54	49	72	61	53	48	59	53	48		58	52	48		57	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	44	42
9	65	53	46	41	63	52	45	41	51	45	41		50	44	40		49	44	40	39
10	61	49	42	38	60	49	42	38	48	42	37		47	41	37		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	302951
5°	300094
10°	290182
15°	273819
20°	250845
25°	223876
30°	197202
35°	170937
40°	146665
45°	124234
50°	103846
55°	86038
60°	71931
65°	60333
70°	50721
75°	41446
80°	31892
85°	19914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3142.8	6.5
10°-20°	8255.2	17.0
20°-30°	10411.8	21.4
30°-40°	9791.3	20.1
40°-50°	7607.1	15.6
50°-60°	5001.3	10.3
60°-70°	2861.9	5.9
70°-80°	1294.5	2.7
80°-90°	262.5	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°	21809.8	44.8
0°-40°	31601.1	65.0
0°-60°	44209.5	90.9
0°-90°	48628.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48628.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33862	
5°	33415	###
15°	29563	8255
25°	22679	10412
35°	15651	9791
45°	9819	7607
55°	5516	5001
65°	2850	2862
75°	1199	1295
85°	194	263
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	33862
1°	33844
2°	33806
3°	33711
4°	33578
5°	33415
6°	33197
7°	32956
8°	32651
9°	32325
10°	31942
11°	31535
12°	31099
13°	30633
14°	30109
15°	29563
17.5°	28056
20°	26347
22.5°	24543
25°	22679
27.5°	20889
30°	19089
32.5°	17340
35°	15651
37.5°	14042
40°	12558
42.5°	11139
45°	9819
47.5°	8601
50°	7461
52.5°	6437
55°	5516
57.5°	4736
60°	4020
62.5°	3390
65°	2850
67.5°	2366
70°	1939
72.5°	1546
75°	1199
77.5°	890
80°	619
82.5°	385
85°	194
87.5°	77



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)