

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: G2-1810-991-58

Luminaire Tested: **G8-N-PC-GREEN**

Test Date: 11/07/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-58
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/07/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-GREEN
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. GREEN LED
MAX OUTPUT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

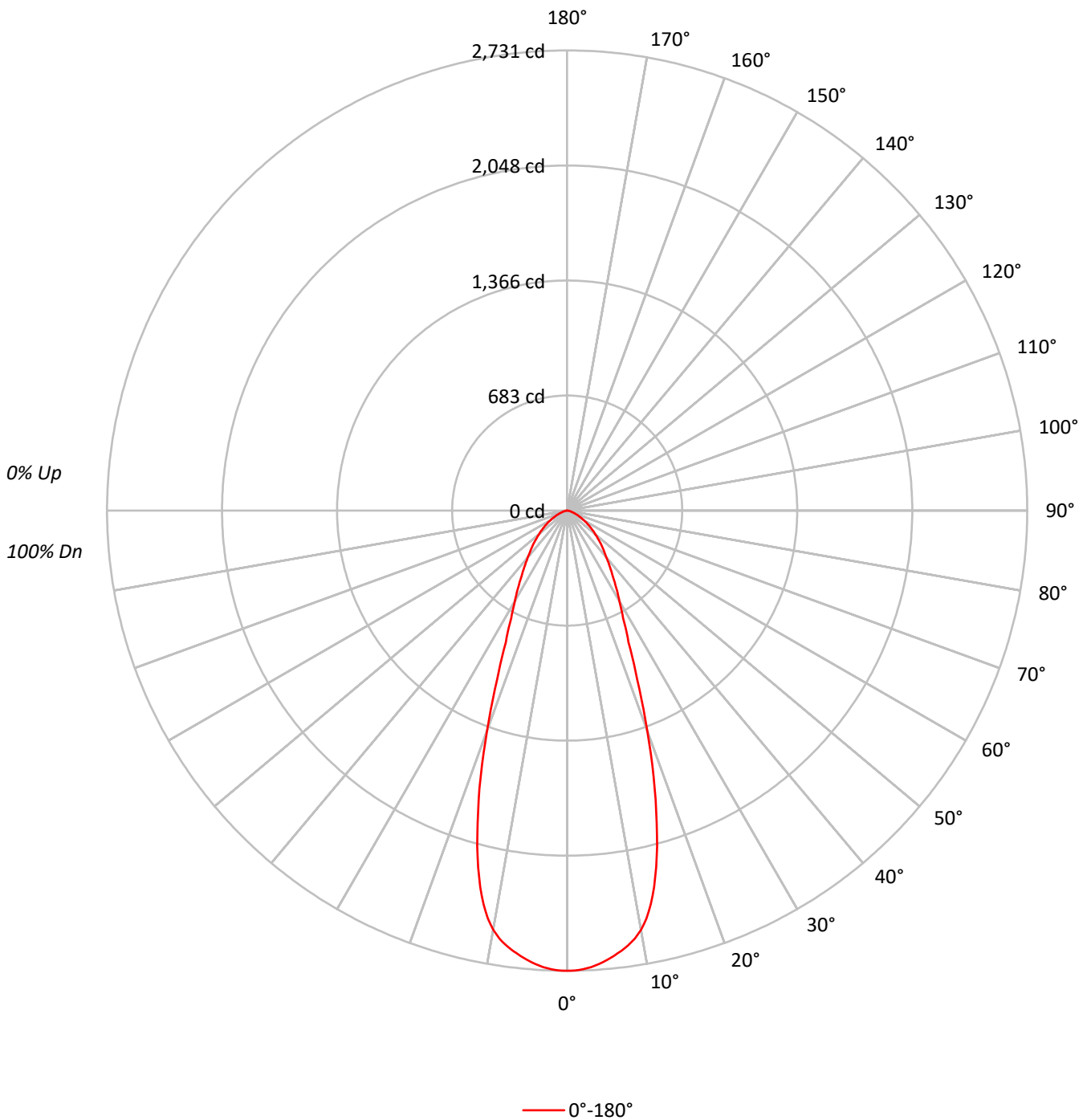
Lumens per Lamp: N/A
Luminaire Lumens: 1998.3 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.64
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70
5	89	80	73	68	87	79	72	68	77	71	67	75	70	67	73	69	66	64
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	56	51	71	61	55	51	61	55	51	60	55	51	59	54	51	49
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23323
5°	22966
10°	21913
15°	18239
20°	12605
25°	8122
30°	6124
35°	4900
40°	4047
45°	3442
50°	2896
55°	2427
60°	1964
65°	1516
70°	1149
75°	858
80°	689
85°	490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.2	12.6
10°-20°	556.9	27.9
20°-30°	414.5	20.7
30°-40°	297.4	14.9
40°-50°	220.5	11.0
50°-60°	146.6	7.3
60°-70°	76.1	3.8
70°-80°	29.0	1.4
80°-90°	6.3	0.3
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°	1222.5	61.2
0°-40°	1520.0	76.1
0°-60°	1887.0	94.4
0°-90°	1998.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1998.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2731	
5°	2679	251
15°	2063	557
25°	862	414
35°	470	297
45°	285	220
55°	163	147
65°	75	76
75°	26	29
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2731
1°	2730
2°	2724
3°	2714
4°	2698
5°	2679
6°	2657
7°	2633
8°	2606
9°	2572
10°	2527
11°	2467
12°	2389
13°	2293
14°	2183
15°	2063
17.5°	1729
20°	1387
22.5°	1085
25°	862
27.5°	719
30°	621
32.5°	540
35°	470
37.5°	412
40°	363
42.5°	321
45°	285
47.5°	250
50°	218
52.5°	190
55°	163
57.5°	138
60°	115
62.5°	94
65°	75
67.5°	59
70°	46
72.5°	35
75°	26
77.5°	19
80°	14
82.5°	9
85°	5
87.5°	2



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)