

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: G2-1810-991-7

Luminaire Tested: **G8-N-PC-400-4000**

Test Date: 10/23/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-7
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/23/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-400-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

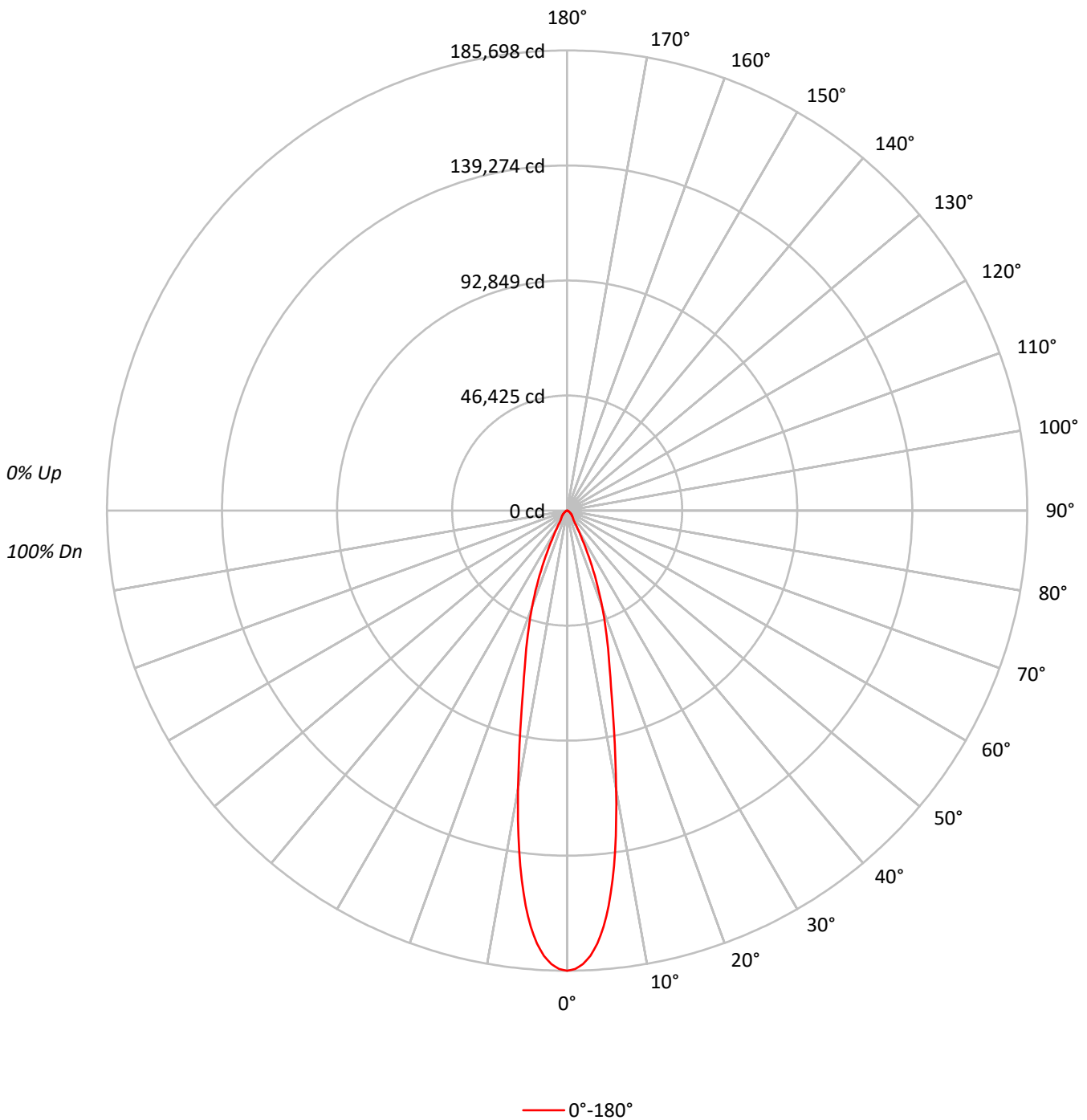
Lumens per Lamp: N/A
Luminaire Lumens: 50446.7 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.44
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 407.2
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96	97	95	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	95	90	86	99	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	82	88	84	81	86	83	80	85	82	79	78
6	94	86	82	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	85	77	72	69	84	76	72	69	76	71	69	75	71	68	74	71	68	67
10	82	74	70	67	81	74	69	66	73	69	66	72	69	66	72	68	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1585854
5°	1445449
10°	988904
15°	584864
20°	376499
25°	194458
30°	82597
35°	46612
40°	38472
45°	32295
50°	25854
55°	20666
60°	16704
65°	12852
70°	10312
75°	8546
80°	7033
85°	3527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14298.6	28.3
10°-20°	18911.8	37.5
20°-30°	9851.4	19.5
30°-40°	3079.9	6.1
40°-50°	2060.8	4.1
50°-60°	1261.0	2.5
60°-70°	649.5	1.3
70°-80°	274.3	0.5
80°-90°	59.4	0.1
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°	43061.8	85.4
0°-40°	46141.7	91.5
0°-60°	49463.5	98.1
0°-90°	50446.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	50446.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	185698	
5°	168613	###
15°	66152	18912
25°	20637	9851
35°	4471	3080
45°	2674	2061
55°	1388	1261
65°	636	649
75°	259	274
85°	36	59
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	185698
1°	185051
2°	183143
3°	179893
4°	175114
5°	168613
6°	160351
7°	150351
8°	138958
9°	126582
10°	114038
11°	102036
12°	90780
13°	81158
14°	73135
15°	66152
17.5°	52842
20°	41428
22.5°	30364
25°	20637
27.5°	13166
30°	8376
32.5°	5732
35°	4471
37.5°	3844
40°	3451
42.5°	3071
45°	2674
47.5°	2284
50°	1946
52.5°	1641
55°	1388
57.5°	1168
60°	978
62.5°	787
65°	636
67.5°	513
70°	413
72.5°	310
75°	259
77.5°	194
80°	143
82.5°	97
85°	36
87.5°	14



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)