

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: G2-1810-991-34

Luminaire Tested: **G8-N-PC-400-3500**

Test Date: 10/29/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-34
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/29/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-400-3500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4, 3500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

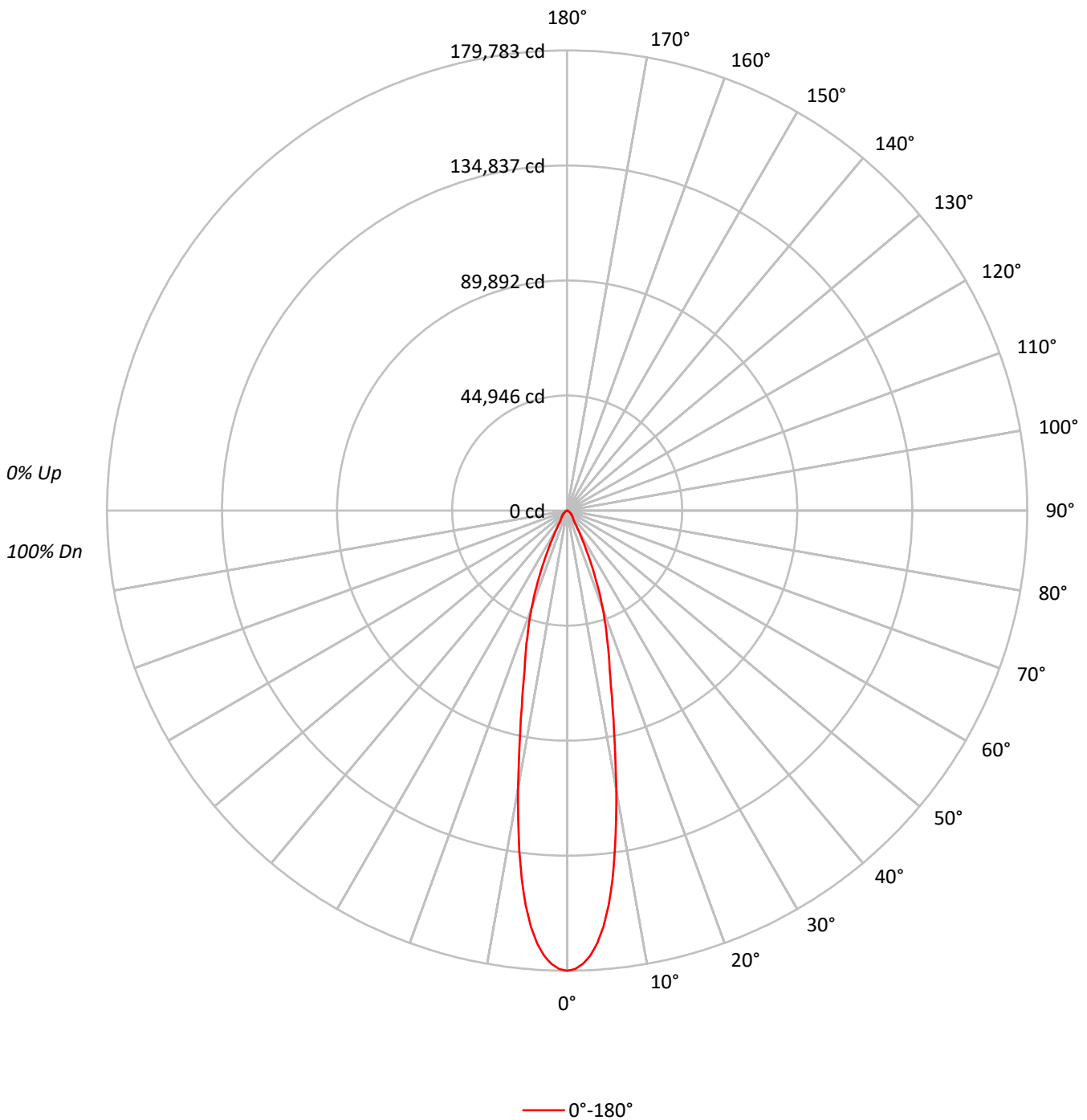
Lumens per Lamp: N/A
Luminaire Lumens: 49035.3 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.45
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 423.3
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	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96	97	95	93	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	86	84	88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75
7	90	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	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	66	81	74	69	66	73	69	66	72	69	66	72	68	66	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1535340
5°	1398326
10°	958067
15°	568941
20°	368402
25°	188918
30°	79954
35°	45194
40°	37146
45°	31631
50°	25004
55°	20145
60°	16431
65°	12710
70°	9688
75°	8414
80°	6984
85°	6565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13823.9	28.2
10°-20°	18408.0	37.5
20°-30°	9599.3	19.6
30°-40°	2985.5	6.1
40°-50°	2010.5	4.1
50°-60°	1231.2	2.5
60°-70°	637.9	1.3
70°-80°	268.3	0.5
80°-90°	70.7	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°	41831.2	85.3
0°-40°	44816.6	91.4
0°-60°	48058.4	98.0
0°-90°	49035.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49035.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	179783	
5°	163116	###
15°	64351	18408
25°	20049	9599
35°	4335	2985
45°	2619	2010
55°	1353	1231
65°	629	638
75°	255	268
85°	67	71
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	179783
1°	179112
2°	177200
3°	174022
4°	169378
5°	163116
6°	155008
7°	145262
8°	134155
9°	122332
10°	110482
11°	98728
12°	88271
13°	78769
14°	70964
15°	64351
17.5°	51722
20°	40537
22.5°	29637
25°	20049
27.5°	12804
30°	8108
32.5°	5558
35°	4335
37.5°	3735
40°	3332
42.5°	2992
45°	2619
47.5°	2246
50°	1882
52.5°	1609
55°	1353
57.5°	1141
60°	962
62.5°	778
65°	629
67.5°	503
70°	388
72.5°	307
75°	255
77.5°	191
80°	142
82.5°	97
85°	67
87.5°	25



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)