

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: G2-1810-991-29

Luminaire Tested: **G8-N-PC-400-3000**

Test Date: 10/27/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-29
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/27/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-400-3000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4, 3000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

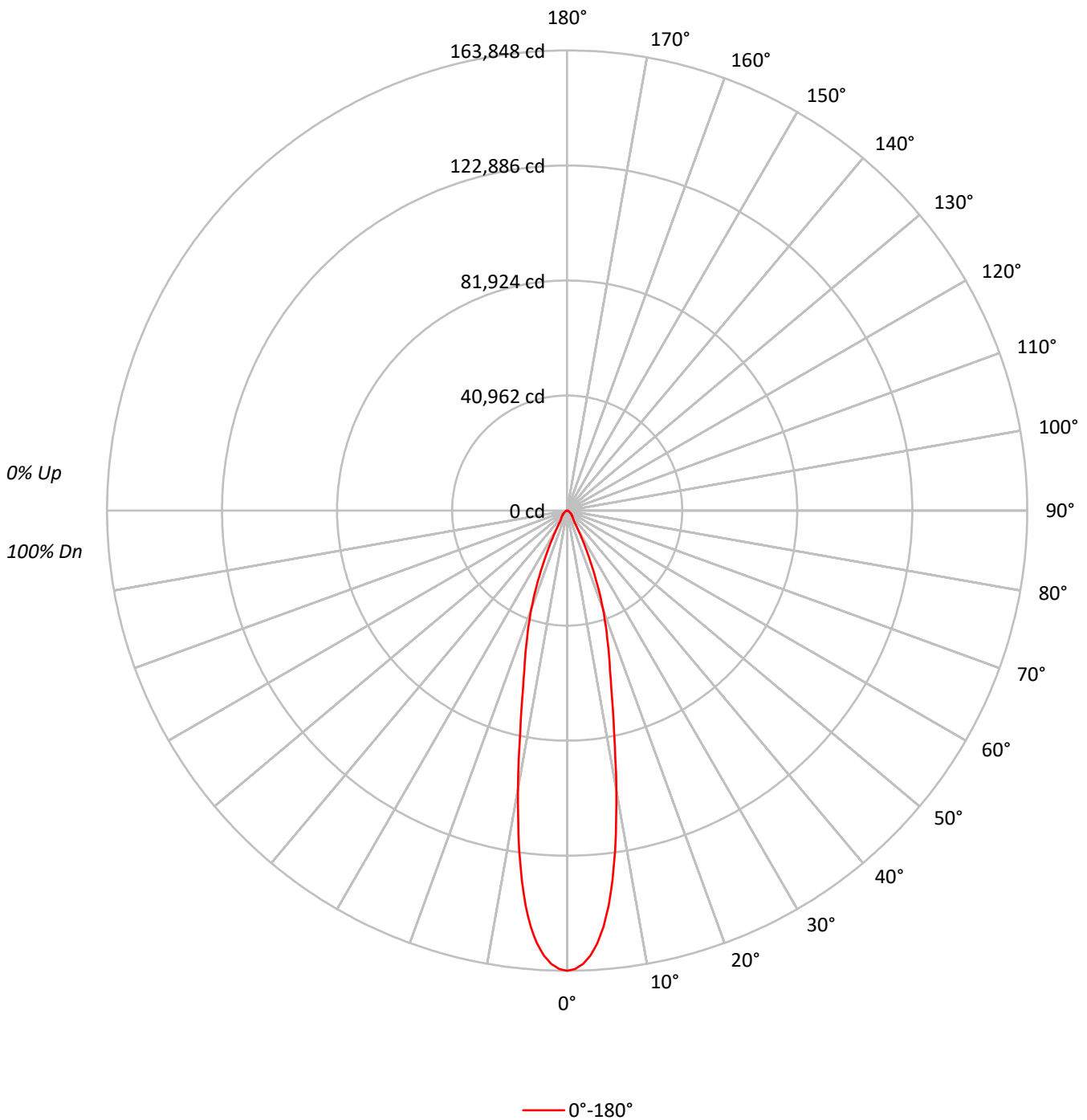
Lumens per Lamp: N/A
Luminaire Lumens: 44801.8 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.45
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 423.9
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	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	91	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°	1399256
5°	1275292
10°	873076
15°	519952
20°	338239
25°	174510
30°	73140
35°	40993
40°	33901
45°	28611
50°	22838
55°	18522
60°	14706
65°	11478
70°	8889
75°	7424
80°	5803
85°	4605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12611.1	28.1
10°-20°	16831.3	37.6
20°-30°	8831.3	19.7
30°-40°	2717.9	6.1
40°-50°	1820.7	4.1
50°-60°	1121.0	2.5
60°-70°	574.7	1.3
70°-80°	239.5	0.5
80°-90°	54.4	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°	38273.6	85.4
0°-40°	40991.5	91.5
0°-60°	43933.2	98.1
0°-90°	44801.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	44801.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	163848	
5°	148764	###
15°	58810	16831
25°	18520	8831
35°	3932	2718
45°	2369	1821
55°	1244	1121
65°	568	575
75°	225	240
85°	47	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	163848
1°	163237
2°	161523
3°	158644
4°	154473
5°	148764
6°	141434
7°	132584
8°	122457
9°	111656
10°	100681
11°	90124
12°	80441
13°	72033
14°	64841
15°	58810
17.5°	47392
20°	37218
22.5°	27257
25°	18520
27.5°	11770
30°	7417
32.5°	5054
35°	3932
37.5°	3400
40°	3041
42.5°	2707
45°	2369
47.5°	2021
50°	1719
52.5°	1450
55°	1244
57.5°	1046
60°	861
62.5°	698
65°	568
67.5°	454
70°	356
72.5°	277
75°	225
77.5°	170
80°	118
82.5°	88
85°	47
87.5°	6



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)