

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: G2-1810-991-2

Luminaire Tested: **G8-N-PC-320-4000**

Test Date: 10/22/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-2
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/22/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-320-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.2, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

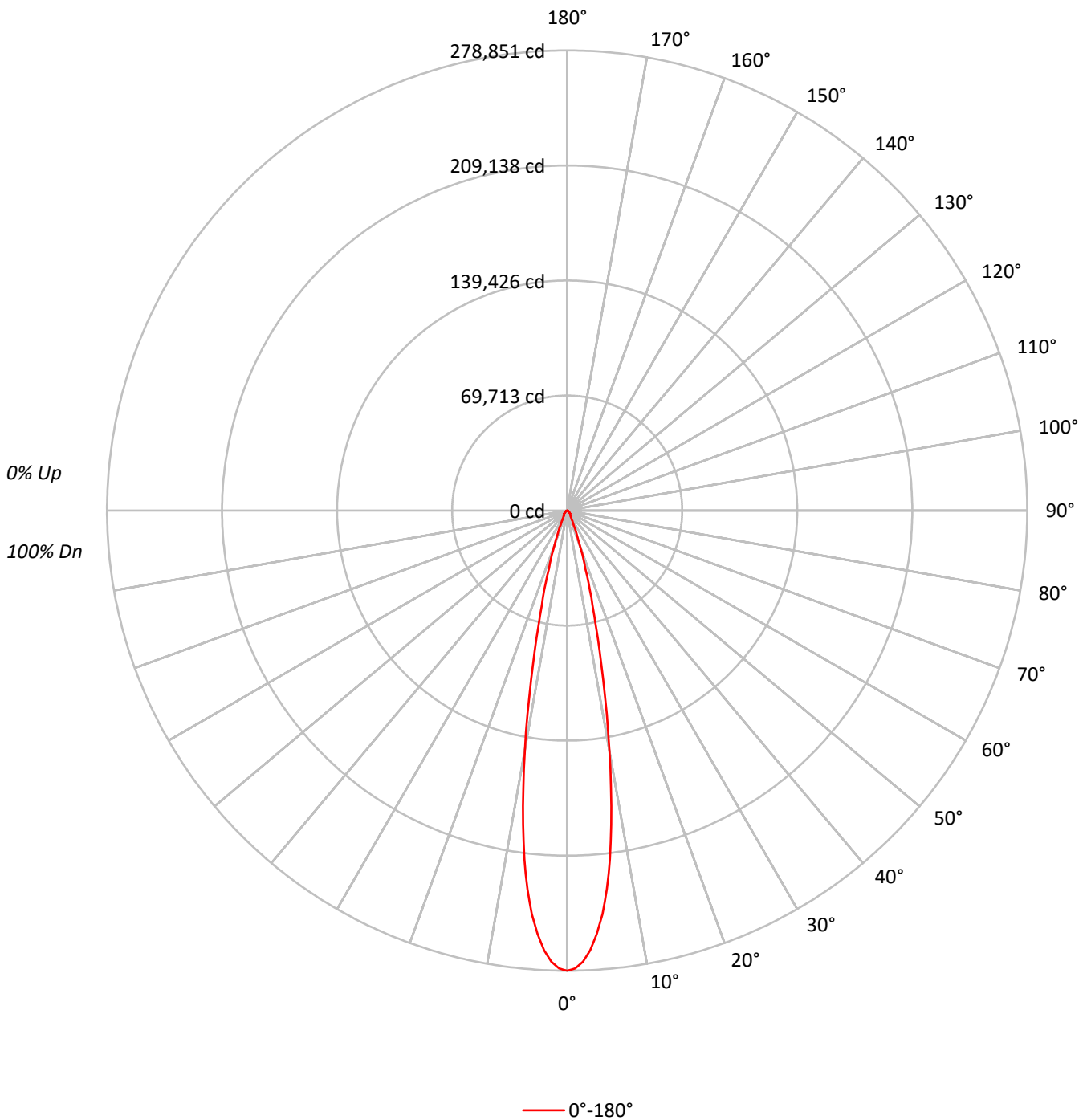
Lumens per Lamp: N/A
Luminaire Lumens: 48533.1 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.35
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 425.8
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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94	92	90	89
4	103	98	93	90	102	97	93	90	95	91	89		93	90	88		91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	84	81	80
7	94	88	83	80	93	87	83	80	86	83	80		85	82	79		84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	78		83	80	77		82	79	77	76
9	90	83	79	76	89	82	79	76	82	78	76		81	78	75		80	77	75	74
10	88	81	77	74	87	80	77	74	80	76	74		79	76	74		78	76	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2381377
5°	2104792
10°	1279900
15°	524718
20°	205517
25°	81432
30°	44572
35°	35895
40°	33957
45°	29046
50°	22466
55°	18031
60°	14979
65°	11316
70°	8739
75°	7127
80°	5557
85°	3527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20226.4	41.7
10°-20°	17670.2	36.4
20°-30°	4622.9	9.5
30°-40°	2221.1	4.6
40°-50°	1836.5	3.8
50°-60°	1103.0	2.3
60°-70°	572.5	1.2
70°-80°	233.8	0.5
80°-90°	46.6	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°	42519.5	87.6
0°-40°	44740.6	92.2
0°-60°	47680.2	98.2
0°-90°	48533.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48533.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	278851	
5°	245526	###
15°	59349	17670
25°	8642	4623
35°	3443	2221
45°	2405	1836
55°	1211	1103
65°	560	573
75°	216	234
85°	36	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	278851
1°	277503
2°	273638
3°	266907
4°	257069
5°	245526
6°	230530
7°	212665
8°	192149
9°	170077
10°	147595
11°	125772
12°	105063
13°	87336
14°	71813
15°	59349
17.5°	36664
20°	22614
22.5°	13858
25°	8642
27.5°	5903
30°	4520
32.5°	3792
35°	3443
37.5°	3229
40°	3046
42.5°	2781
45°	2405
47.5°	2009
50°	1691
52.5°	1429
55°	1211
57.5°	1025
60°	877
62.5°	702
65°	560
67.5°	445
70°	350
72.5°	279
75°	216
77.5°	161
80°	113
82.5°	72
85°	36
87.5°	7



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)