

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: G2-1810-991-3

Luminaire Tested: **G8-N-PC-340-4000**

Test Date: 10/22/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-3
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-340-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.4, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

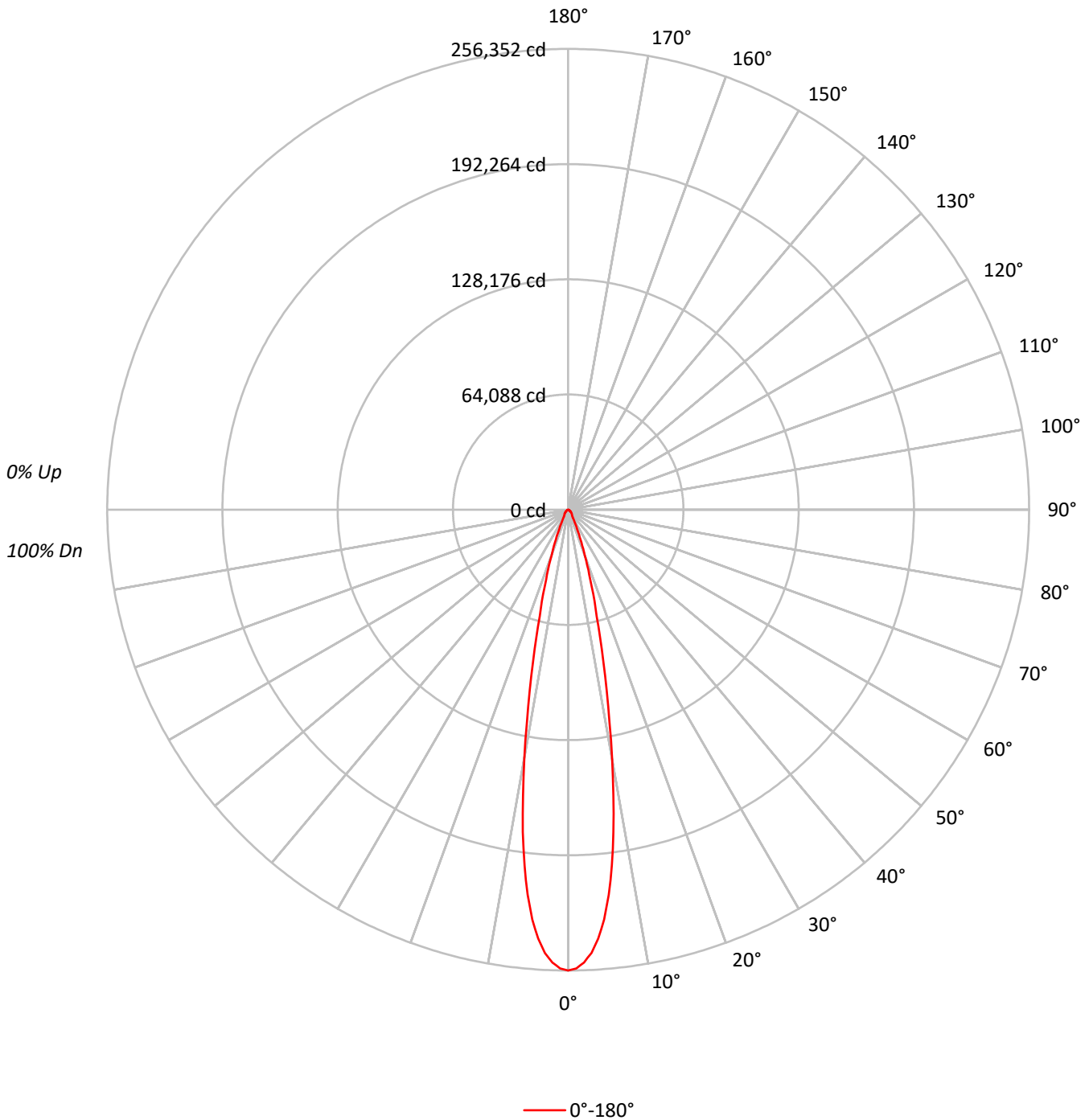
Lumens per Lamp: N/A
Luminaire Lumens: 49368.6 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.36
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 417.9
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	115	112	110	108	112	110	108	107	106	105	103		102	101	100		99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97		99	97	95		96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92		95	93	90		93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88		92	89	87		90	88	86	84
5	99	93	88	85	98	92	88	85	90	87	84		89	86	83		87	85	83	82
6	96	90	85	82	95	89	85	82	87	84	81		86	83	80		85	82	80	79
7	93	87	82	79	92	86	82	79	85	81	78		84	80	78		83	80	78	76
8	91	84	79	76	90	83	79	76	82	79	76		81	78	76		81	78	75	74
9	88	81	77	74	87	81	77	74	80	76	74		79	76	74		79	76	73	72
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2189236
5°	1962239
10°	1218071
15°	542223
20°	246268
25°	107618
30°	53615
35°	38626
40°	35418
45°	30302
50°	23782
55°	19088
60°	15560
65°	12387
70°	9588
75°	8414
80°	7377
85°	4997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18938.2	38.4
10°-20°	18084.7	36.6
20°-30°	5853.8	11.9
30°-40°	2439.0	4.9
40°-50°	1919.4	3.9
50°-60°	1168.2	2.4
60°-70°	618.8	1.3
70°-80°	272.0	0.6
80°-90°	74.5	0.2
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°	42876.6	86.8
0°-40°	45315.6	91.8
0°-60°	48403.2	98.0
0°-90°	49368.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49368.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	256352	
5°	228897	###
15°	61329	18085
25°	11421	5854
35°	3705	2439
45°	2509	1919
55°	1282	1168
65°	613	619
75°	255	272
85°	51	75
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	256352
1°	255180
2°	252097
3°	246895
4°	239249
5°	228897
6°	215509
7°	199374
8°	181043
9°	160841
10°	140465
11°	120672
12°	102672
13°	86657
14°	72917
15°	61329
17.5°	40713
20°	27098
22.5°	17747
25°	11421
27.5°	7625
30°	5437
32.5°	4270
35°	3705
37.5°	3408
40°	3177
42.5°	2871
45°	2509
47.5°	2128
50°	1790
52.5°	1512
55°	1282
57.5°	1097
60°	911
62.5°	767
65°	613
67.5°	480
70°	384
72.5°	312
75°	255
77.5°	198
80°	150
82.5°	107
85°	51
87.5°	41



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)