

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: G2-1810-991-28

Luminaire Tested: **G8-N-PC-350-3000**

Test Date: 10/27/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-28
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-350-3000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.5, 3000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

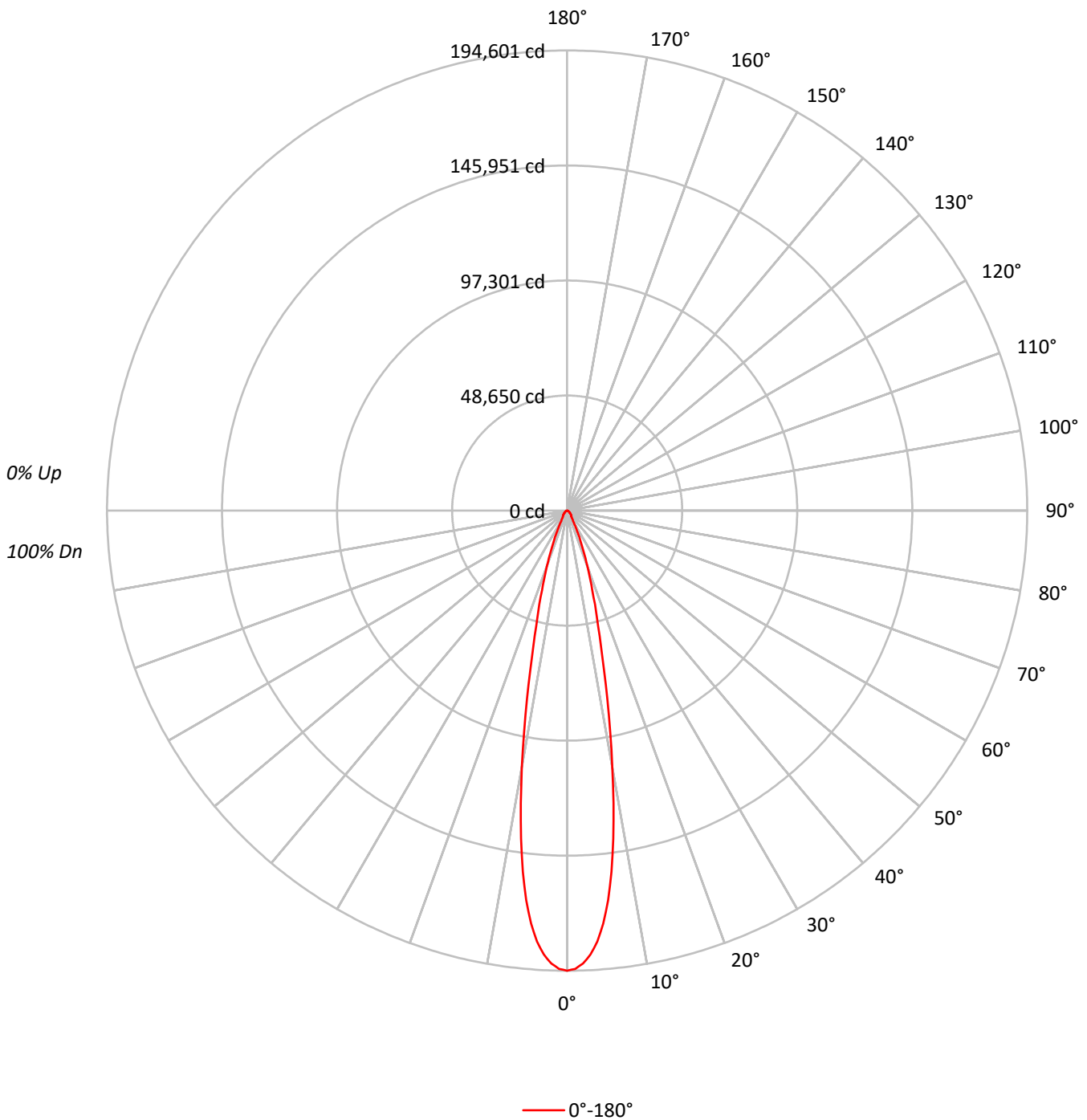
Lumens per Lamp: N/A
Luminaire Lumens: 40419.9 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.37
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 396.7
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	105	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91		95	92	90		93	90	89	87
4	102	96	92	89	101	95	91	88	93	90	87		91	88	86		90	87	85	84
5	99	92	88	84	97	92	87	84	90	86	83		88	85	83		87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80		86	82	80		84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82	79	77	76
8	90	83	78	75	89	82	78	75	81	78	75		81	77	75		80	77	74	73
9	88	80	76	73	87	80	76	73	79	75	73		78	75	72		78	74	72	71
10	85	78	74	71	84	78	74	71	77	73	71		76	73	70		76	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1661885
5°	1502680
10°	954980
15°	447189
20°	225556
25°	105488
30°	49138
35°	33111
40°	29353
45°	24819
50°	19384
55°	15589
60°	12844
65°	9699
70°	8065
75°	6401
80°	5557
85°	2548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14588.1	36.1
10°-20°	14860.6	36.8
20°-30°	5563.6	13.8
30°-40°	2108.0	5.2
40°-50°	1575.9	3.9
50°-60°	960.6	2.4
60°-70°	501.1	1.2
70°-80°	211.0	0.5
80°-90°	51.0	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°	35012.3	86.6
0°-40°	37120.3	91.8
0°-60°	39656.8	98.1
0°-90°	40419.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	40419.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	194601	
5°	175289	###
15°	50580	14861
25°	11195	5564
35°	3176	2108
45°	2055	1576
55°	1047	961
65°	480	501
75°	194	211
85°	26	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	194601
1°	193832
2°	191688
3°	188047
4°	182645
5°	175289
6°	165648
7°	153892
8°	140075
9°	125290
10°	110126
11°	95331
12°	81562
13°	69300
14°	59071
15°	50580
17.5°	35208
20°	24819
22.5°	16975
25°	11195
27.5°	7310
30°	4983
32.5°	3750
35°	3176
37.5°	2855
40°	2633
42.5°	2372
45°	2055
47.5°	1733
50°	1459
52.5°	1249
55°	1047
57.5°	908
60°	752
62.5°	619
65°	480
67.5°	394
70°	323
72.5°	251
75°	194
77.5°	138
80°	113
82.5°	86
85°	26
87.5°	19



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)