

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: G2-1810-991-32

Luminaire Tested: **G8-N-PC-300-3500**

Test Date: 10/27/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-32
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-300-3500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3, 3500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

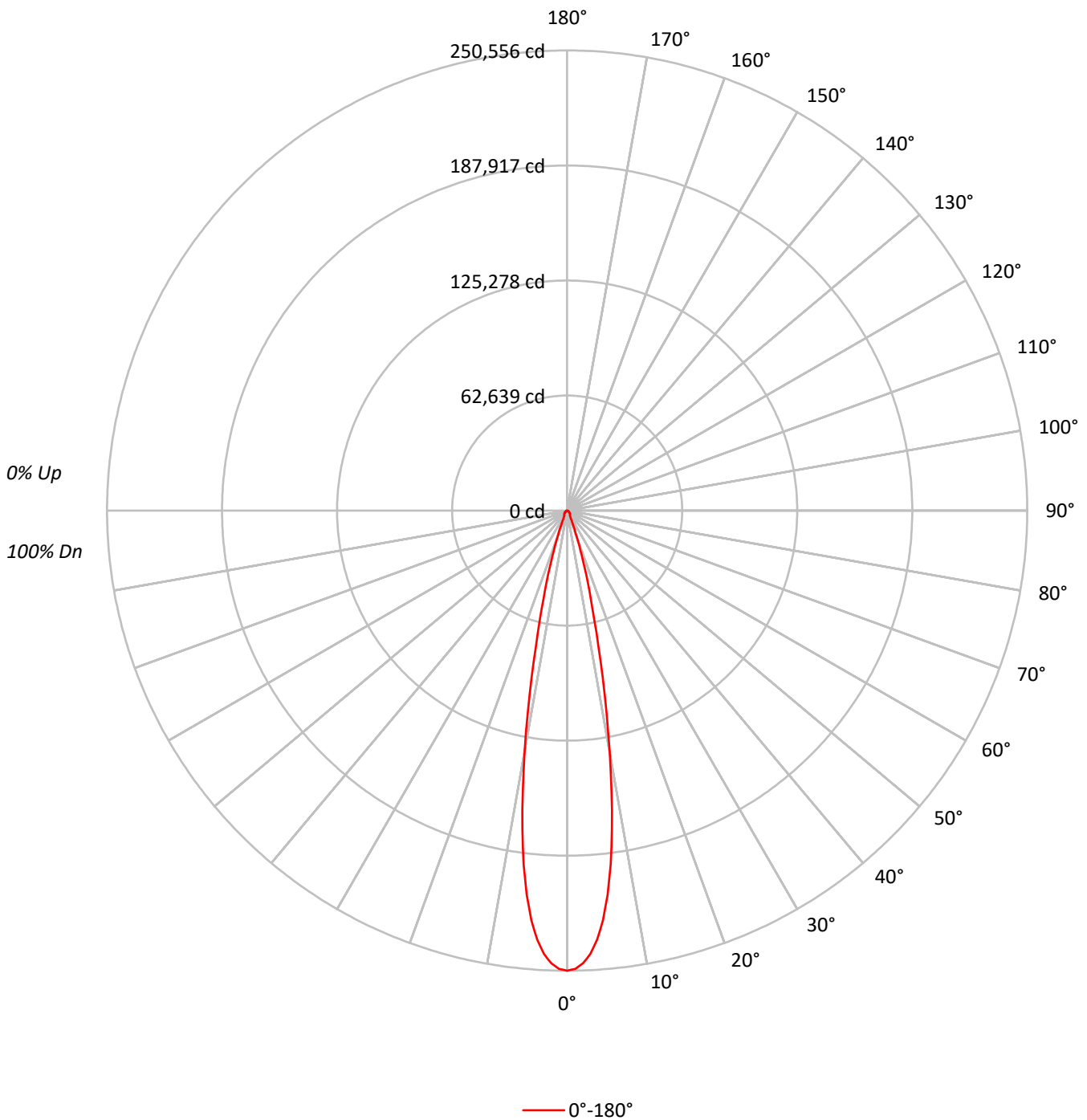
Lumens per Lamp: N/A
Luminaire Lumens: 41034.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.34
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 393.7
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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	99	96	105	101	98	95	98	96	93		96	94	92		94	92	91	89
4	104	98	94	91	102	97	93	91	95	92	89		93	91	88		92	89	88	86
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		89	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84		88	85	83		87	85	83	81
7	95	89	85	82	94	88	84	82	87	84	81		86	83	81		85	82	80	79
8	93	86	82	79	92	86	82	79	85	82	79		84	81	79		83	81	78	77
9	91	84	80	77	90	84	80	77	83	80	77		82	79	77		82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	75		81	77	75		80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2139739
5°	1918613
10°	1154846
15°	436447
20°	138729
25°	46106
30°	29978
35°	28347
40°	27993
45°	24360
50°	18720
55°	15127
60°	12537
65°	9699
70°	7740
75°	6038
80°	5705
85°	4703



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18388.3	44.8
10°-20°	14849.2	36.2
20°-30°	2852.1	7.0
30°-40°	1716.1	4.2
40°-50°	1533.2	3.7
50°-60°	926.8	2.3
60°-70°	492.7	1.2
70°-80°	213.2	0.5
80°-90°	62.3	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°	36089.7	88.0
0°-40°	37805.8	92.1
0°-60°	40265.8	98.1
0°-90°	41034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	41034.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	250556	
5°	223808	###
15°	49365	14849
25°	4893	2852
35°	2719	1716
45°	2017	1533
55°	1016	927
65°	480	493
75°	183	213
85°	48	62
90°	0	



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CANDELA DISTRIBUTION (FULL):

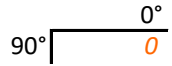
0°	
0°	250556
1°	249556
2°	246657
3°	241681
4°	234243
5°	223808
6°	210235
7°	194055
8°	175104
9°	154398
10°	133174
11°	112460
12°	93012
13°	75839
14°	61298
15°	49365
17.5°	27961
20°	15265
22.5°	8368
25°	4893
27.5°	3548
30°	3040
32.5°	2827
35°	2719
37.5°	2642
40°	2511
42.5°	2324
45°	2017
47.5°	1682
50°	1409
52.5°	1197
55°	1016
57.5°	873
60°	734
62.5°	599
65°	480
67.5°	395
70°	310
72.5°	251
75°	183
77.5°	162
80°	116
82.5°	92
85°	48
87.5°	31



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)