

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: G2-1810-991-47

Luminaire Tested: **G8-N-PC-300-6000**

Test Date: 11/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-47
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-300-6000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3, 6000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

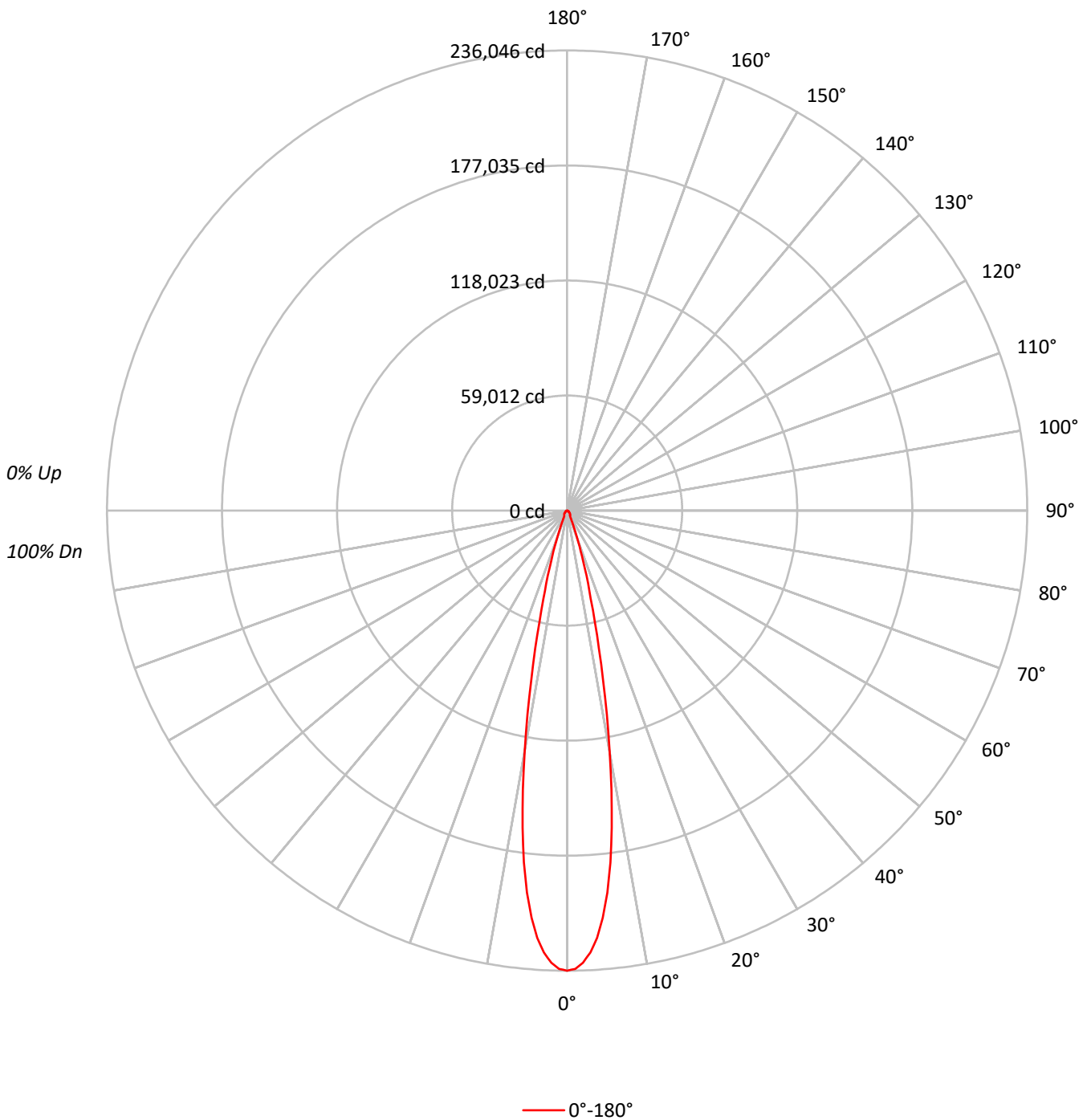
Lumens per Lamp: N/A
Luminaire Lumens: 38852.4 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.34
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 355.2
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



TEST NUMBER: G2-1810-991-47
CATALOG NUMBER: G8-N-PC-300-6000

Luminous Intensity Polar Plot





TEST NUMBER: G2-1810-991-47

CATALOG NUMBER: G8-N-PC-300-6000

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	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89		93	91	88		92	89	87	86
5	101	95	90	87	99	94	90	87	92	89	86		91	88	85		89	87	85	84
6	98	92	87	84	97	91	87	84	89	86	83		88	85	83		87	84	82	81
7	95	89	85	82	94	88	84	81	87	84	81		86	83	81		85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83	80	78	77
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		81	79	77	76
10	89	82	78	75	88	82	78	75	81	78	75		80	77	75		80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2015824
5°	1797302
10°	1090892
15°	414025
20°	133740
25°	44542
30°	28696
35°	26887
40°	26555
45°	22850
50°	17697
55°	14442
60°	11939
65°	9316
70°	7516
75°	6335
80°	5902
85°	4017



TEST NUMBER: G2-1810-991-47

CATALOG NUMBER: G8-N-PC-300-6000

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17259.5	44.4
10°-20°	14158.2	36.4
20°-30°	2739.2	7.1
30°-40°	1629.0	4.2
40°-50°	1446.9	3.7
50°-60°	884.5	2.3
60°-70°	472.1	1.2
70°-80°	209.4	0.5
80°-90°	53.6	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°	34156.9	87.9
0°-40°	35785.8	92.1
0°-60°	38117.3	98.1
0°-90°	38852.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38852.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	236046	
5°	209657	###
15°	46829	14158
25°	4727	2739
35°	2579	1629
45°	1892	1447
55°	970	885
65°	461	472
75°	192	209
85°	41	54
90°	0	



TEST NUMBER: G2-1810-991-47

CATALOG NUMBER: G8-N-PC-300-6000

CANDELA DISTRIBUTION (FULL):

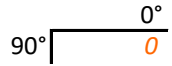
0°	
0°	236046
1°	235095
2°	232110
3°	227053
4°	219663
5°	209657
6°	197014
7°	181725
8°	164264
9°	145110
10°	125799
11°	106539
12°	88676
13°	72664
14°	58702
15°	46829
17.5°	26855
20°	14716
22.5°	7996
25°	4727
27.5°	3399
30°	2910
32.5°	2697
35°	2579
37.5°	2488
40°	2382
42.5°	2194
45°	1892
47.5°	1591
50°	1332
52.5°	1141
55°	970
57.5°	841
60°	699
62.5°	583
65°	461
67.5°	369
70°	301
72.5°	246
75°	192
77.5°	146
80°	120
82.5°	74
85°	41
87.5°	22



TEST NUMBER: G2-1810-991-47

CATALOG NUMBER: G8-N-PC-300-6000

CANDELA DISTRIBUTION (continued):



(END OF REPORT)