

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: G2-1810-991-17

Luminaire Tested: **G8-N-PC-350-5600**

Test Date: 10/25/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-17
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/25/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-350-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.5, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

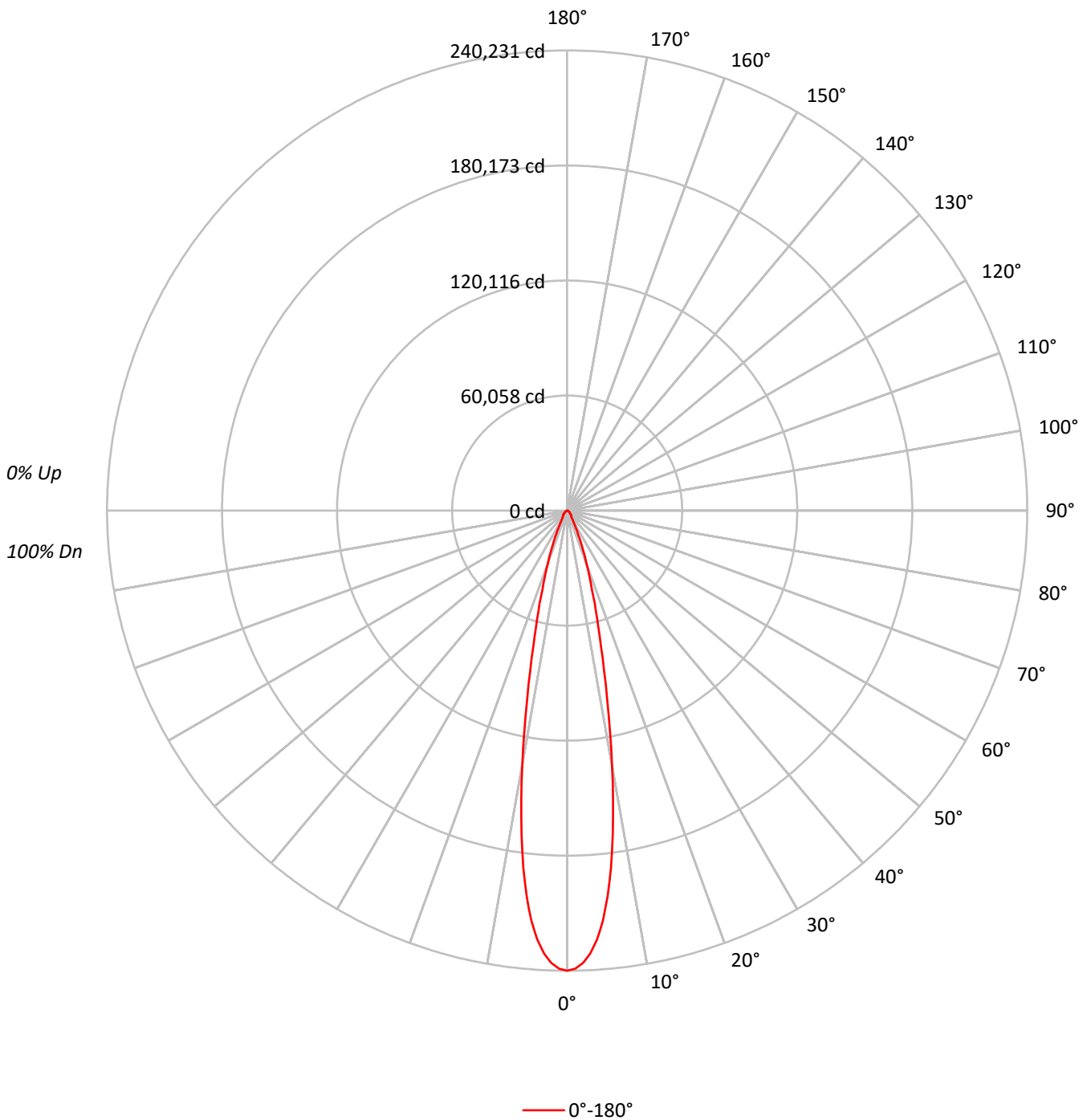
Lumens per Lamp: N/A
Luminaire Lumens: 49163.4 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.37
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 424.5
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: G2-1810-991-17
CATALOG NUMBER: G8-N-PC-350-5600

Luminous Intensity Polar Plot





TEST NUMBER: G2-1810-991-17

CATALOG NUMBER: G8-N-PC-350-5600

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	106	106	105	103	102	101	100	99	98	97	96
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	92	95	92	90	93	91	89	87
4	102	96	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	85	82	79	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2051564
5°	1840782
10°	1169033
15°	550472
20°	269933
25°	124127
30°	58328
35°	39669
40°	35484
45°	30133
50°	23675
55°	18983
60°	15560
65°	11963
70°	9264
75°	7292
80°	5656
85°	3136



TEST NUMBER: G2-1810-991-17

CATALOG NUMBER: G8-N-PC-350-5600

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17864.3	36.3
10°-20°	18214.1	37.0
20°-30°	6585.6	13.4
30°-40°	2527.1	5.1
40°-50°	1916.5	3.9
50°-60°	1158.0	2.4
60°-70°	604.8	1.2
70°-80°	247.1	0.5
80°-90°	45.8	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°	42664.0	86.8
0°-40°	45191.2	91.9
0°-60°	48265.7	98.2
0°-90°	49163.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49163.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	240231	
5°	214729	###
15°	62262	18214
25°	13173	6586
35°	3805	2527
45°	2495	1916
55°	1275	1158
65°	592	605
75°	221	247
85°	32	46
90°	0	



TEST NUMBER: G2-1810-991-17

CATALOG NUMBER: G8-N-PC-350-5600

CANDELA DISTRIBUTION (FULL):

0°	
0°	240231
1°	239220
2°	236312
3°	231378
4°	224363
5°	214729
6°	202404
7°	188118
8°	171006
9°	153153
10°	134810
11°	117208
12°	100469
13°	85677
14°	72956
15°	62262
17.5°	42757
20°	29702
22.5°	20064
25°	13173
27.5°	8613
30°	5915
32.5°	4498
35°	3805
37.5°	3434
40°	3183
42.5°	2878
45°	2495
47.5°	2122
50°	1782
52.5°	1488
55°	1275
57.5°	1086
60°	911
62.5°	745
65°	592
67.5°	473
70°	371
72.5°	294
75°	221
77.5°	180
80°	115
82.5°	74
85°	32
87.5°	5



TEST NUMBER: G2-1810-991-17

CATALOG NUMBER: G8-N-PC-350-5600

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)