

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: G2-1902-155-14

Luminaire Tested: **G8-W-PC-300-5600**

Test Date: 03/07/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-14
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/07/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-300-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

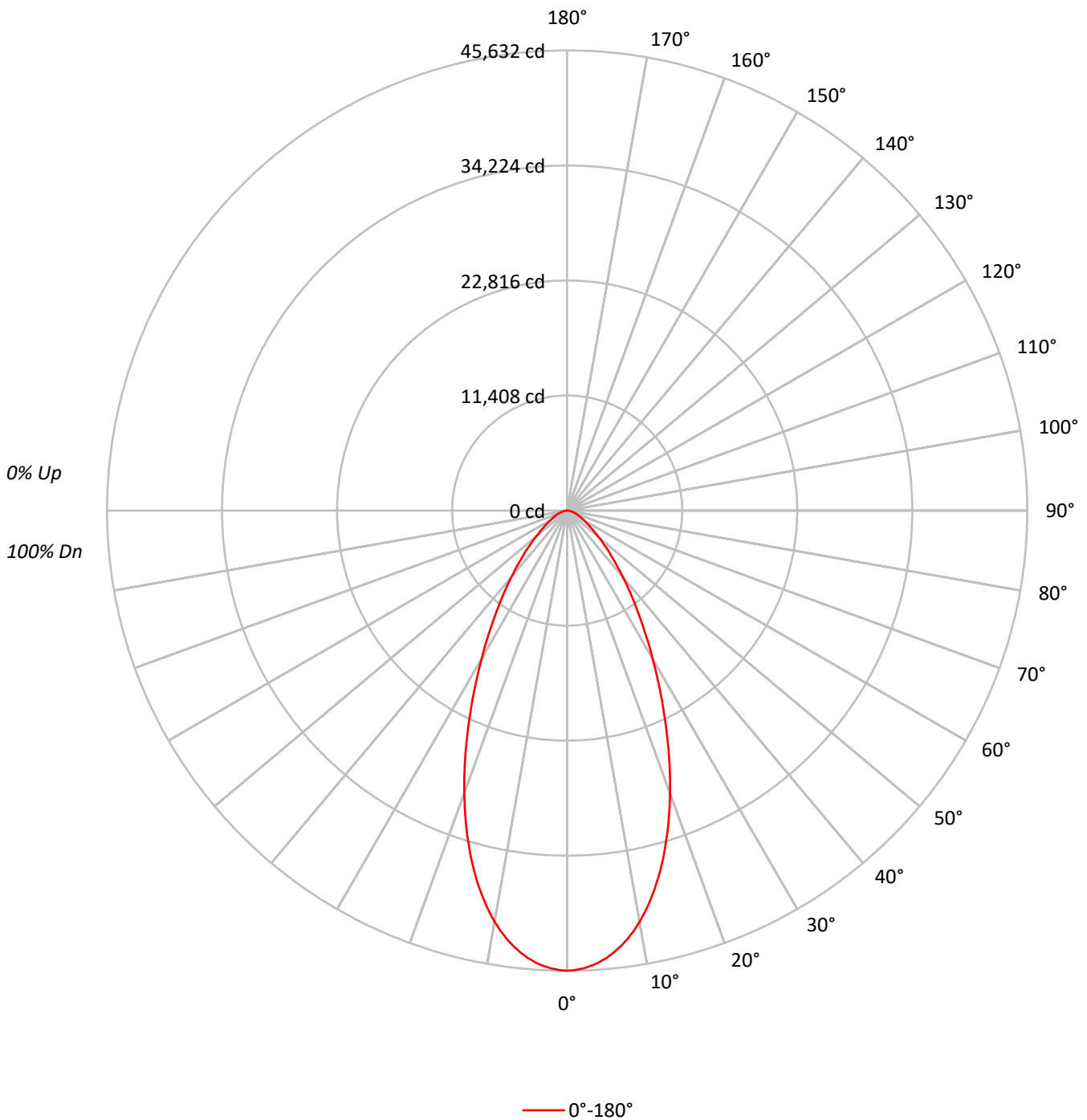
Lumens per Lamp: N/A
Luminaire Lumens: 41845.4 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.8
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 383.6
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: G2-1902-155-14
CATALOG NUMBER: G8-W-PC-300-5600

Luminous Intensity Polar Plot





TEST NUMBER: G2-1902-155-14

CATALOG NUMBER: G8-W-PC-300-5600

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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	85	78	74	92	84	78	73	81	76	72		79	75	71		77	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	62	57	77	68	61	57	66	61	56		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	53		61	56	52		60	56	52	51
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	408253
5°	400149
10°	376150
15°	336265
20°	284006
25°	226788
30°	175167
35°	132929
40°	100171
45°	75459
50°	56189
55°	42972
60°	34266
65°	29489
70°	25583
75°	22019
80°	17775
85°	11702



TEST NUMBER: G2-1902-155-14

CATALOG NUMBER: G8-W-PC-300-5600

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4152.5	9.9
10°-20°	10047.2	24.0
20°-30°	10537.9	25.2
30°-40°	7689.2	18.4
40°-50°	4673.9	11.2
50°-60°	2527.5	6.0
60°-70°	1395.1	3.3
70°-80°	680.6	1.6
80°-90°	141.5	0.3
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°	24737.6	59.1
0°-40°	32426.8	77.5
0°-60°	39628.2	94.7
0°-90°	41845.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	41845.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	45632	
5°	44556	###
15°	36305	10047
25°	22974	10538
35°	12171	7689
45°	5964	4674
55°	2755	2527
65°	1393	1395
75°	637	681
85°	114	142
90°	0	



TEST NUMBER: G2-1902-155-14

CATALOG NUMBER: G8-W-PC-300-5600

CANDELA DISTRIBUTION (FULL):

0°	
0°	45632
1°	45563
2°	45425
3°	45217
4°	44917
5°	44556
6°	44082
7°	43539
8°	42925
9°	42196
10°	41405
11°	40520
12°	39562
13°	38517
14°	37446
15°	36305
17.5°	33186
20°	29830
22.5°	26387
25°	22974
27.5°	19831
30°	16956
32.5°	14414
35°	12171
37.5°	10260
40°	8577
42.5°	7183
45°	5964
47.5°	4934
50°	4037
52.5°	3322
55°	2755
57.5°	2296
60°	1915
62.5°	1626
65°	1393
67.5°	1180
70°	978
72.5°	797
75°	637
77.5°	487
80°	345
82.5°	203
85°	114
87.5°	31



TEST NUMBER: G2-1902-155-14

CATALOG NUMBER: G8-W-PC-300-5600

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)