

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: G2-1902-155-24

Luminaire Tested: **G8-W-PC-460-5600**

Test Date: 03/08/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-24
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/08/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-460-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.6, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

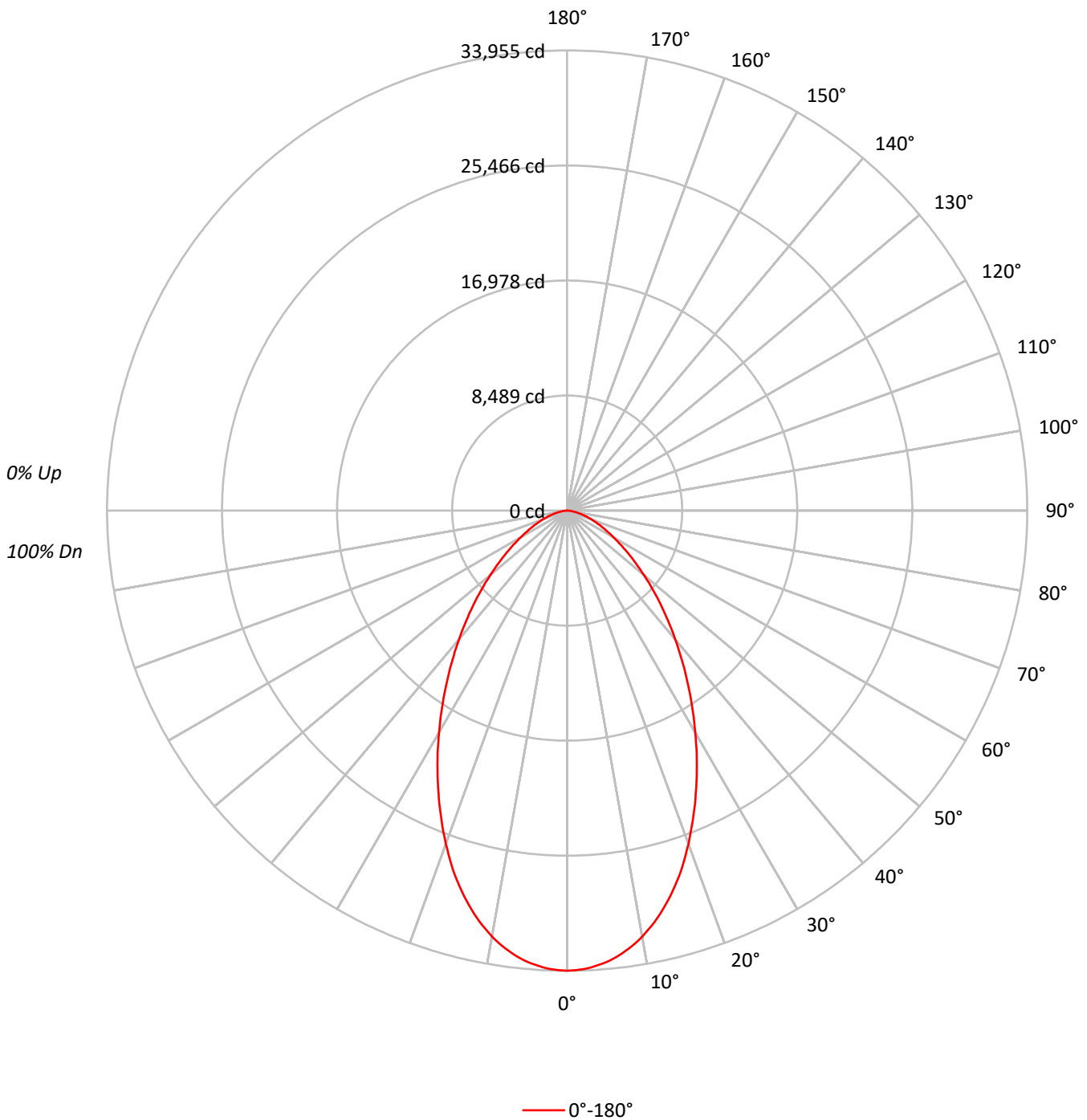
Lumens per Lamp: N/A
Luminaire Lumens: 48184.7 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.99
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 395.8
Input Voltage (V): NR
Input Current (Ain): 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: G2-1902-155-24
CATALOG NUMBER: G8-W-PC-460-5600

Luminous Intensity Polar Plot





TEST NUMBER: G2-1902-155-24

CATALOG NUMBER: G8-W-PC-460-5600

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	69
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62
5	83	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46
8	69	57	50	44	67	56	49	44	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	303783
5°	300282
10°	290046
15°	272625
20°	249140
25°	222425
30°	195167
35°	169015
40°	144913
45°	122881
50°	102663
55°	85664
60°	71108
65°	59444
70°	49753
75°	40305
80°	30964
85°	16937



TEST NUMBER: G2-1902-155-24

CATALOG NUMBER: G8-W-PC-460-5600

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3143.2	6.5
10°-20°	8219.7	17.1
20°-30°	10333.1	21.4
30°-40°	9690.9	20.1
40°-50°	7521.3	15.6
50°-60°	4952.1	10.3
60°-70°	2817.5	5.8
70°-80°	1266.4	2.6
80°-90°	240.4	0.5
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°	21696.0	45.0
0°-40°	31386.9	65.1
0°-60°	43860.3	91.0
0°-90°	48184.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48184.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33955	
5°	33436	###
15°	29434	8220
25°	22532	10333
35°	15475	9691
45°	9712	7521
55°	5492	4952
65°	2808	2817
75°	1166	1266
85°	165	240
90°	0	



TEST NUMBER: G2-1902-155-24

CATALOG NUMBER: G8-W-PC-460-5600

CANDELA DISTRIBUTION (FULL):

0°	
0°	33955
1°	33919
2°	33864
3°	33762
4°	33608
5°	33436
6°	33212
7°	32945
8°	32640
9°	32300
10°	31927
11°	31487
12°	31031
13°	30530
14°	29992
15°	29434
17.5°	27904
20°	26168
22.5°	24365
25°	22532
27.5°	20722
30°	18892
32.5°	17179
35°	15475
37.5°	13909
40°	12408
42.5°	11015
45°	9712
47.5°	8503
50°	7376
52.5°	6366
55°	5492
57.5°	4676
60°	3974
62.5°	3333
65°	2808
67.5°	2327
70°	1902
72.5°	1523
75°	1166
77.5°	867
80°	601
82.5°	367
85°	165
87.5°	52



TEST NUMBER: G2-1902-155-24

CATALOG NUMBER: G8-W-PC-460-5600

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)