

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: G2-1902-155-56

Luminaire Tested: **G8-W-PC-500-6500**

Test Date: 03/11/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-56
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/11/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-W-PC-500-6500
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 5, 6500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

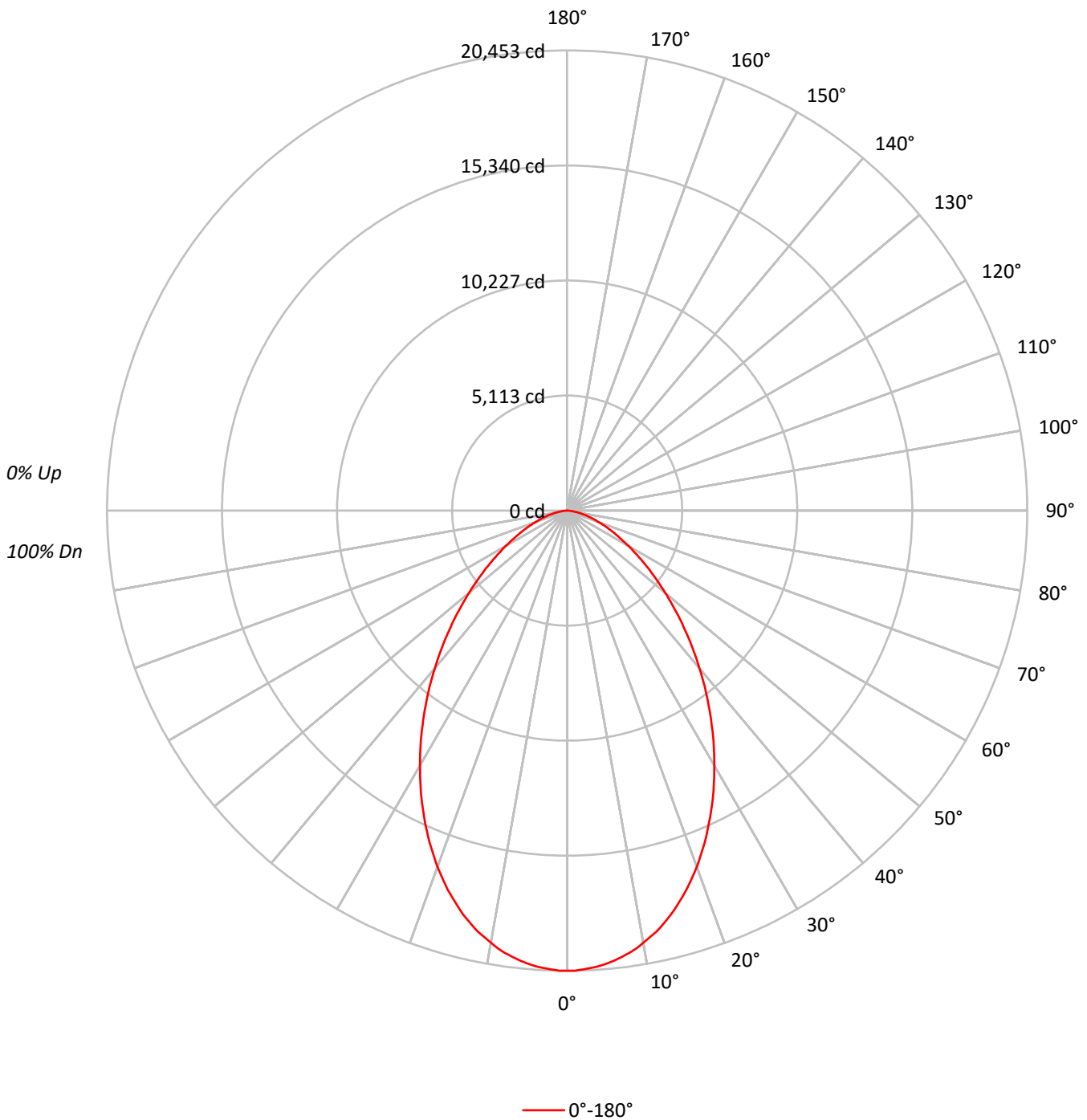
Lumens per Lamp: N/A
Luminaire Lumens: 33838.9 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.08
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 288.1
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: G2-1902-155-56
CATALOG NUMBER: G8-W-PC-500-6500

Luminous Intensity Polar Plot





TEST NUMBER: G2-1902-155-56

CATALOG NUMBER: G8-W-PC-500-6500

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	107	104	101	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	79	73	82	77	72		79	75	71		77	73	70	68
4	88	78	71	65	86	77	70	64	74	68	64		72	67	63		70	66	62	60
5	82	71	63	57	80	70	63	57	68	62	57		66	60	56		64	59	55	54
6	77	65	57	51	75	64	57	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46		56	50	46		55	49	45	44
8	67	55	47	42	66	54	47	42	53	47	42		52	46	42		51	45	41	40
9	63	51	44	39	62	50	43	39	49	43	38		48	42	38		47	42	38	36
10	60	48	40	36	58	47	40	35	46	40	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	182985
5°	181547
10°	177232
15°	170323
20°	160454
25°	148497
30°	135167
35°	121134
40°	106781
45°	92730
50°	79099
55°	67102
60°	56167
65°	47293
70°	38950
75°	32113
80°	23854
85°	12421



TEST NUMBER: G2-1902-155-56

CATALOG NUMBER: G8-W-PC-500-6500

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1907.3	5.6
10°-20°	5151.0	15.2
20°-30°	6899.5	20.4
30°-40°	6929.4	20.5
40°-50°	5666.4	16.7
50°-60°	3871.4	11.4
60°-70°	2234.5	6.6
70°-80°	992.0	2.9
80°-90°	187.4	0.6
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°	13957.7	41.2
0°-40°	20887.1	61.7
0°-60°	30425.0	89.9
0°-90°	33838.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33838.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20453	
5°	20215	###
15°	18389	5151
25°	15043	6899
35°	11091	6929
45°	7329	5666
55°	4302	3871
65°	2234	2234
75°	929	992
85°	121	187
90°	0	



TEST NUMBER: G2-1902-155-56

CATALOG NUMBER: G8-W-PC-500-6500

CANDELA DISTRIBUTION (FULL):

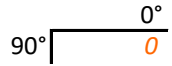
0°	
0°	20453
1°	20451
2°	20404
3°	20357
4°	20296
5°	20215
6°	20106
7°	19980
8°	19856
9°	19700
10°	19509
11°	19310
12°	19122
13°	18887
14°	18644
15°	18389
17.5°	17658
20°	16853
22.5°	15972
25°	15043
27.5°	14082
30°	13084
32.5°	12104
35°	11091
37.5°	10122
40°	9143
42.5°	8225
45°	7329
47.5°	6489
50°	5683
52.5°	4958
55°	4302
57.5°	3687
60°	3139
62.5°	2650
65°	2234
67.5°	1848
70°	1489
72.5°	1191
75°	929
77.5°	670
80°	463
82.5°	285
85°	121
87.5°	52



TEST NUMBER: G2-1902-155-56

CATALOG NUMBER: G8-W-PC-500-6500

CANDELA DISTRIBUTION (continued):



(END OF REPORT)