

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: G2-1810-991-51

Luminaire Tested: **G8-N-PC-500-6000**

Test Date: 11/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-51
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/06/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-N-PC-500-6000
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 5, 6000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

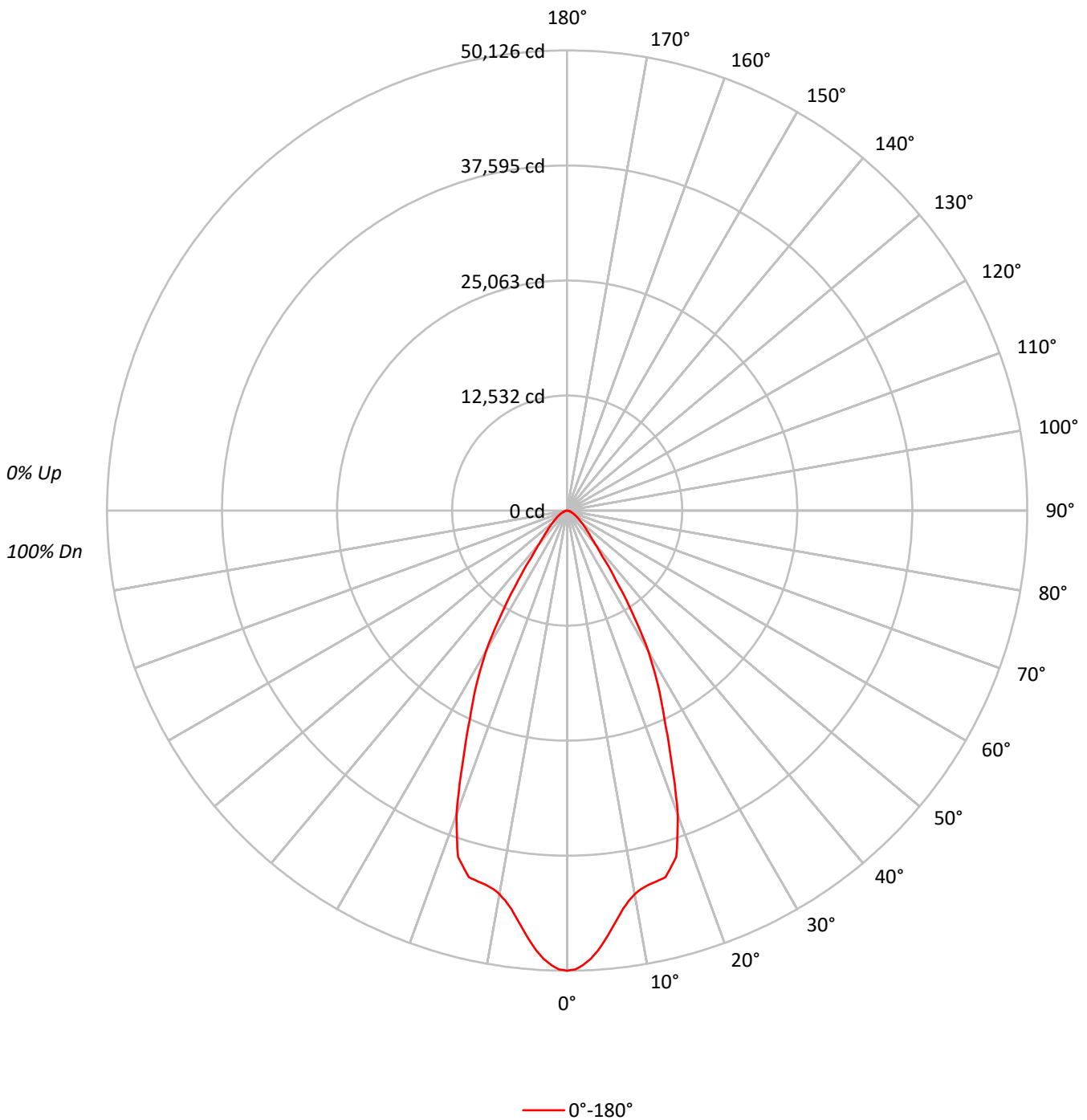
Lumens per Lamp: N/A
Luminaire Lumens: 38255.1 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.79
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 316.6
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



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Luminous Intensity Polar Plot





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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	82		86	83	81	79
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81	78	75	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	76	71	67		74	70	66		73	69	66	64
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69	65	62	60
8	79	69	63	59	78	69	63	59	68	62	59		66	62	58		66	61	58	57
9	75	65	60	55	74	65	59	55	64	59	55		63	58	55		62	58	55	53
10	72	62	56	52	71	62	56	52	61	56	52		60	55	52		59	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	428074
5°	402997
10°	367949
15°	365523
20°	320226
25°	236004
30°	173979
35°	96664
40°	52196
45°	36715
50°	27581
55°	21634
60°	17456
65°	13802
70°	11136
75°	8843
80°	7820
85°	6663



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4322.2	11.3
10°-20°	11347.8	29.7
20°-30°	11642.9	30.4
30°-40°	6130.7	16.0
40°-50°	2417.8	6.3
50°-60°	1329.4	3.5
60°-70°	694.5	1.8
70°-80°	292.9	0.8
80°-90°	76.9	0.2
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°	27313.0	71.4
0°-40°	33443.6	87.4
0°-60°	37190.8	97.2
0°-90°	38255.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38255.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	50126	
5°	47010	###
15°	41343	11348
25°	25046	11643
35°	9272	6131
45°	3040	2418
55°	1453	1329
65°	683	695
75°	268	293
85°	68	77
90°	0	



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CANDELA DISTRIBUTION (FULL):

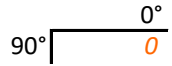
0°	
0°	50126
1°	49985
2°	49553
3°	48901
4°	48052
5°	47010
6°	45892
7°	44809
8°	43810
9°	43023
10°	42431
11°	42018
12°	41765
13°	41621
14°	41493
15°	41343
17.5°	39548
20°	35236
22.5°	29720
25°	25046
27.5°	21424
30°	17643
32.5°	13269
35°	9272
37.5°	6371
40°	4682
42.5°	3707
45°	3040
47.5°	2500
50°	2076
52.5°	1736
55°	1453
57.5°	1229
60°	1022
62.5°	856
65°	683
67.5°	541
70°	446
72.5°	337
75°	268
77.5°	204
80°	159
82.5°	98
85°	68
87.5°	37



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)