

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: G2-1810-991-56

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

Test Date: 11/07/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-56
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/07/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-500-6500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 5, 6500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

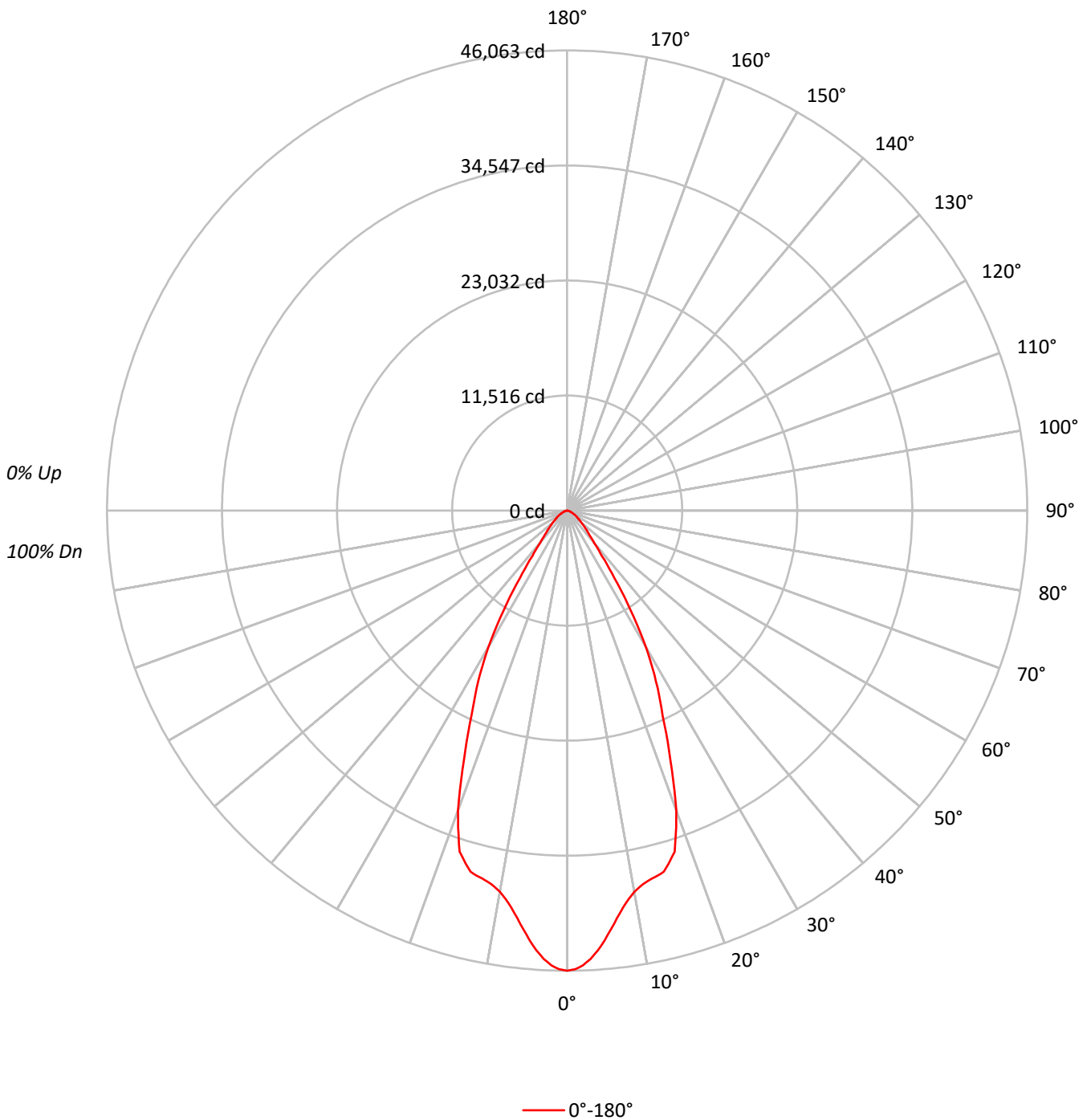
Lumens per Lamp: N/A
Luminaire Lumens: 34511.3 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.78
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 288.4
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	101	100	99	98	97	96	95	93
2	107	102	98	95	105	101	97	93	97	94	91	94	92	89	92	89	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74
5	92	83	77	73	90	82	77	72	80	76	72	79	74	71	77	73	71	69
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	65
7	83	74	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57
9	75	66	60	56	74	65	60	56	64	59	55	63	59	55	62	58	55	54
10	72	62	56	53	71	62	56	53	61	56	52	60	56	52	60	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	393376
5°	370018
10°	336081
15°	330865
20°	290445
25°	213295
30°	155628
35°	85738
40°	46621
45°	32742
50°	24539
55°	19147
60°	15833
65°	12084
70°	9463
75°	7919
80°	6443
85°	3038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3962.2	11.5
10°-20°	10294.8	29.8
20°-30°	10518.6	30.5
30°-40°	5469.1	15.8
40°-50°	2160.9	6.3
50°-60°	1186.7	3.4
60°-70°	609.0	1.8
70°-80°	256.6	0.7
80°-90°	53.4	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°	24775.6	71.8
0°-40°	30244.6	87.6
0°-60°	33592.3	97.3
0°-90°	34511.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34511.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	46063	
5°	43163	###
15°	37423	10295
25°	22636	10519
35°	8224	5469
45°	2711	2161
55°	1286	1187
65°	598	609
75°	240	257
85°	31	53
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	46063
1°	45927
2°	45548
3°	44938
4°	44139
5°	43163
6°	42108
7°	41073
8°	40123
9°	39368
10°	38756
11°	38320
12°	38016
13°	37791
14°	37636
15°	37423
17.5°	35809
20°	31959
22.5°	26979
25°	22636
27.5°	19273
30°	15782
32.5°	11854
35°	8224
37.5°	5692
40°	4182
42.5°	3313
45°	2711
47.5°	2246
50°	1847
52.5°	1552
55°	1286
57.5°	1101
60°	927
62.5°	745
65°	598
67.5°	472
70°	379
72.5°	301
75°	240
77.5°	178
80°	131
82.5°	84
85°	31
87.5°	16



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)