

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: G2-1902-155-30

Luminaire Tested: **G8-W-PC-450-3000**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-30
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/09/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-450-3000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.5, 3000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

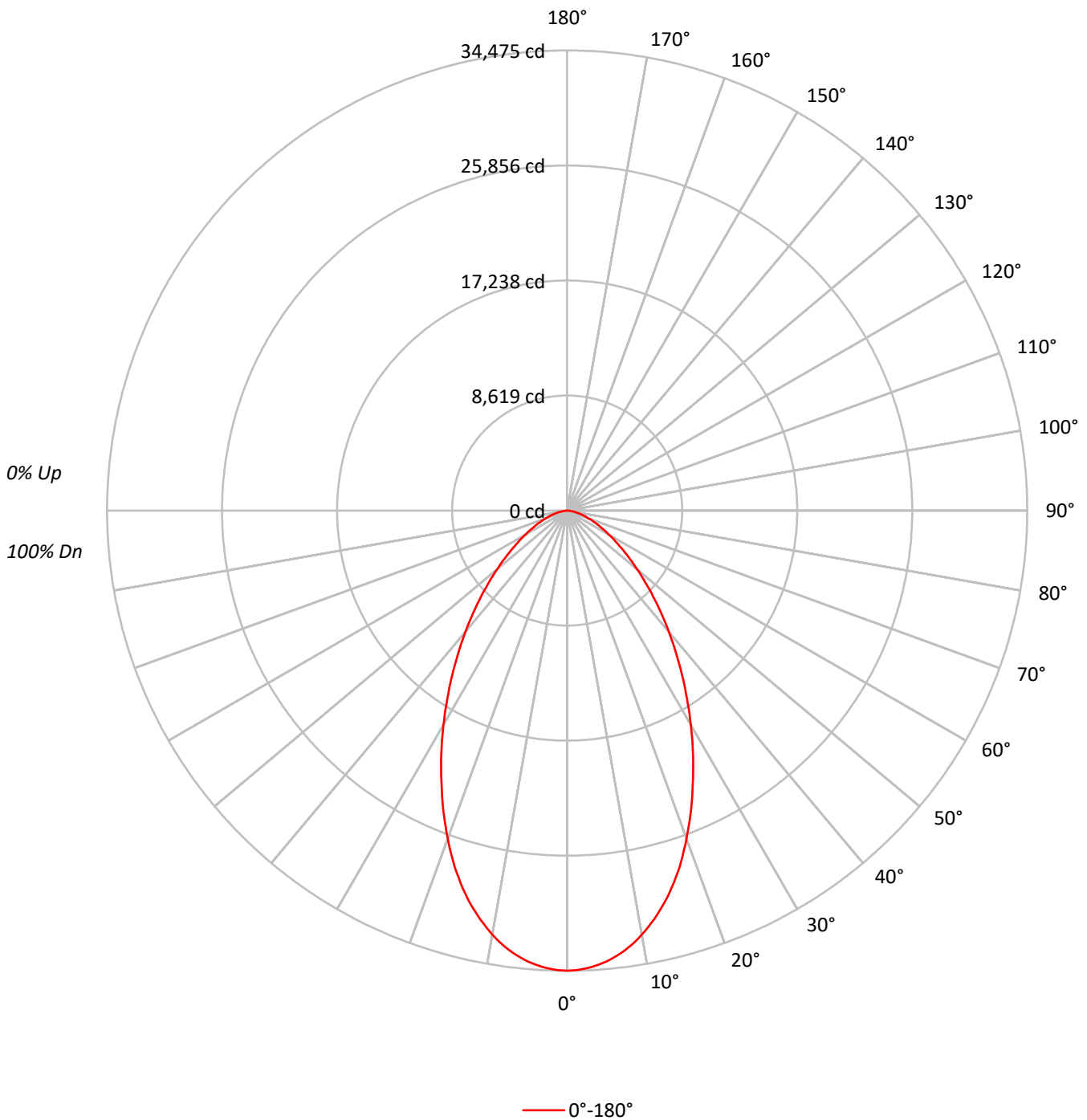
Lumens per Lamp: N/A
Luminaire Lumens: 46630.3 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 429.5
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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94	93	91	89
2	104	97	92	87	101	95	91	86	92	88	84		89	86	83		86	83	81	79
3	96	88	82	76	94	87	81	76	84	79	74		81	77	73		79	75	72	70
4	90	80	73	68	88	79	72	67	77	71	66		74	69	65		72	68	65	63
5	84	73	66	60	82	72	65	60	70	64	59		69	63	59		67	62	58	57
6	79	67	60	54	77	67	59	54	65	59	54		63	58	53		62	57	53	51
7	74	62	55	50	72	62	54	49	60	54	49		59	53	49		58	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45		55	49	45		54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	42		51	45	41		50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	308435
5°	304503
10°	293043
15°	274542
20°	249074
25°	220076
30°	191345
35°	163685
40°	138326
45°	115378
50°	95286
55°	78489
60°	64809
65°	54215
70°	45018
75°	36918
80°	27513
85°	16219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3184.0	6.8
10°-20°	8267.7	17.7
20°-30°	10229.6	21.9
30°-40°	9375.6	20.1
40°-50°	7080.7	15.2
50°-60°	4558.5	9.8
60°-70°	2570.0	5.5
70°-80°	1148.6	2.5
80°-90°	215.5	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°	21681.4	46.5
0°-40°	31057.0	66.6
0°-60°	42696.1	91.6
0°-90°	46630.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	46630.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	34475	
5°	33906	###
15°	29641	8268
25°	22294	10230
35°	14987	9376
45°	9119	7081
55°	5032	4558
65°	2561	2570
75°	1068	1149
85°	158	216
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	34475
1°	34448
2°	34365
3°	34259
4°	34099
5°	33906
6°	33658
7°	33370
8°	33051
9°	32677
10°	32257
11°	31789
12°	31309
13°	30777
14°	30237
15°	29641
17.5°	28013
20°	26161
22.5°	24250
25°	22294
27.5°	20413
30°	18522
32.5°	16702
35°	14987
37.5°	13348
40°	11844
42.5°	10444
45°	9119
47.5°	7937
50°	6846
52.5°	5891
55°	5032
57.5°	4290
60°	3622
62.5°	3049
65°	2561
67.5°	2123
70°	1721
72.5°	1381
75°	1068
77.5°	784
80°	534
82.5°	335
85°	158
87.5°	33



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)