

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: G2-1810-991-50

Luminaire Tested: **G8-N-PC-450-6000**

Test Date: 11/05/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-50
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/05/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-450-6000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 4.5, 6000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

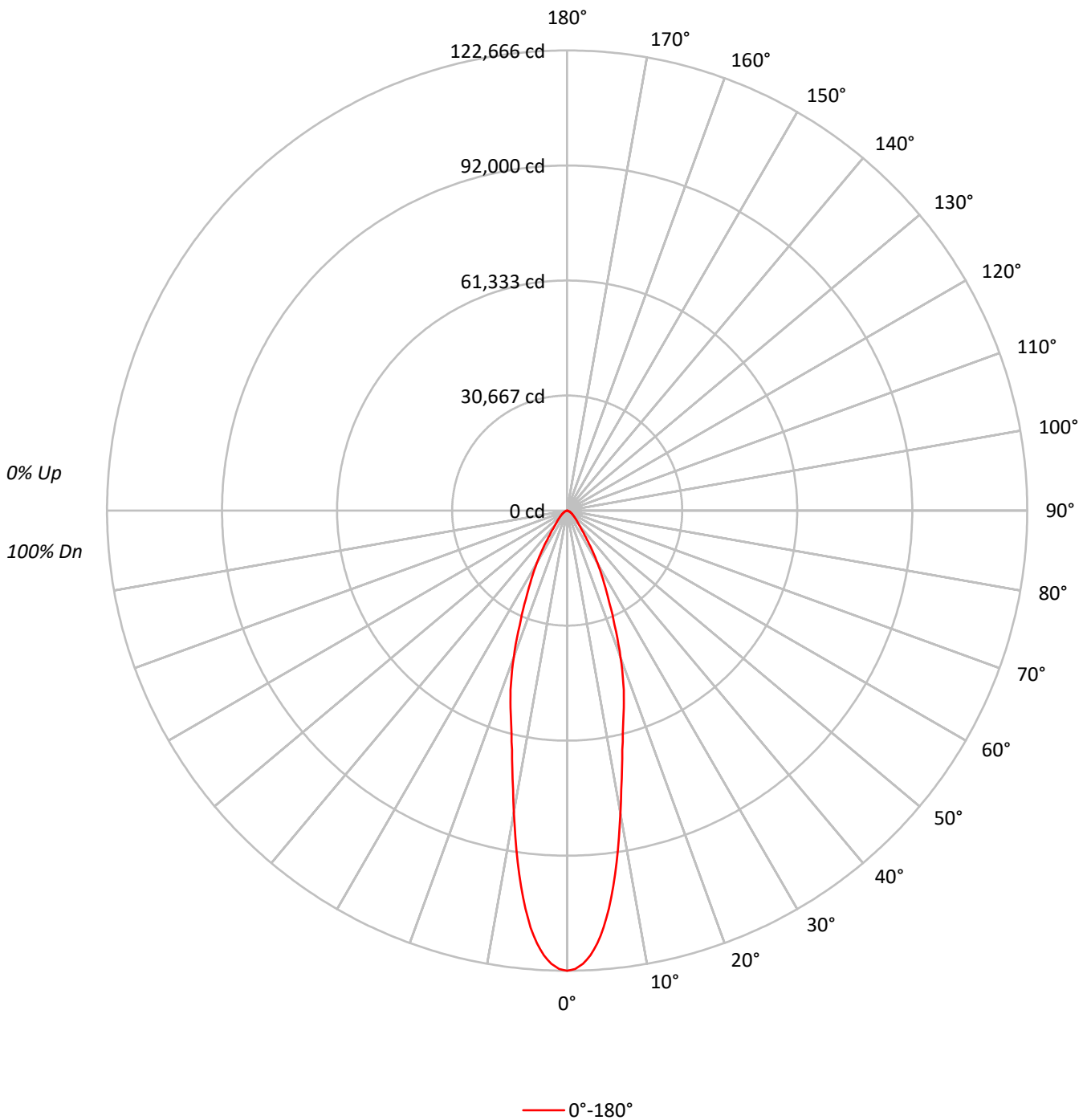
Lumens per Lamp: N/A
Luminaire Lumens: 49136.7 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.55
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 402
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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	89	101	96	91	88	93	90	87		91	88	85		89	86	84	82
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84	81	79	78
5	94	86	81	77	93	86	80	77	84	79	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	68		75	71	68		74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	65		72	67	64		71	67	64	63
9	80	71	65	62	79	70	65	62	69	65	62		69	64	61		68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59		66	62	59		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1047563
5°	956675
10°	709276
15°	511358
20°	378426
25°	244984
30°	159720
35°	89700
40°	53968
45°	40121
50°	30650
55°	24373
60°	19710
65°	15236
70°	12360
75°	9998
80°	8557
85°	5977



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9657.7	19.7
10°-20°	16222.7	33.0
20°-30°	12230.9	24.9
30°-40°	5734.9	11.7
40°-50°	2617.2	5.3
50°-60°	1490.7	3.0
60°-70°	773.2	1.6
70°-80°	332.7	0.7
80°-90°	76.7	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°	38111.3	77.6
0°-40°	43846.2	89.2
0°-60°	47954.1	97.6
0°-90°	49136.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49136.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	122666	
5°	111597	###
15°	57838	16223
25°	25999	12231
35°	8604	5735
45°	3322	2617
55°	1637	1491
65°	754	773
75°	303	333
85°	61	77
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	122666
1°	122216
2°	120913
3°	118710
4°	115645
5°	111597
6°	106693
7°	100899
8°	94701
9°	88212
10°	81792
11°	75713
12°	70243
13°	65411
14°	61357
15°	57838
17.5°	50131
20°	41640
22.5°	33094
25°	25999
27.5°	20641
30°	16197
32.5°	12044
35°	8604
37.5°	6244
40°	4841
42.5°	3984
45°	3322
47.5°	2774
50°	2307
52.5°	1934
55°	1637
57.5°	1388
60°	1154
62.5°	939
65°	754
67.5°	615
70°	495
72.5°	385
75°	303
77.5°	240
80°	174
82.5°	119
85°	61
87.5°	15



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)