

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: G2-1902-155-40

Luminaire Tested: **G8-W-PC-450-4500**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-40
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-450-4500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4.5, 4500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

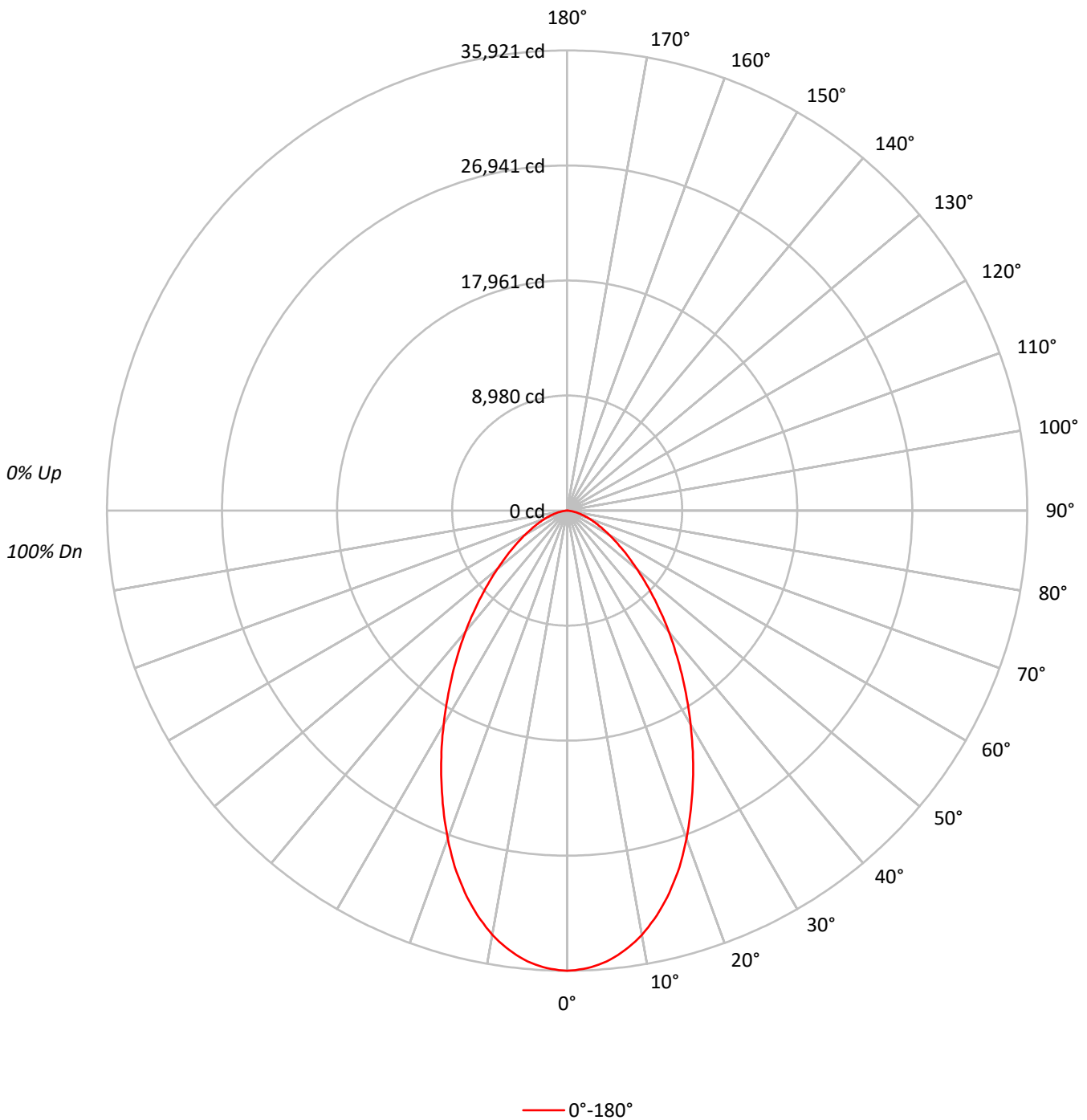
Lumens per Lamp: N/A
Luminaire Lumens: 48606.6 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.97
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 387
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	90	86	92	88	84		89	86	83		86	83	81	79
3	96	88	81	76	94	87	80	76	84	79	74		81	77	73		79	75	72	70
4	90	80	73	67	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		68	63	59		67	62	58	56
6	79	67	60	54	77	66	59	54	65	59	54		63	58	53		62	57	53	51
7	74	62	55	50	72	61	54	49	60	54	49		59	53	49		57	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	41		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°	321372
5°	317238
10°	305435
15°	285823
20°	259471
25°	229375
30°	199134
35°	170468
40°	144177
45°	120198
50°	99155
55°	81952
60°	68030
65°	56544
70°	47896
75°	38508
80°	29264
85°	16629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3317.5	6.8
10°-20°	8611.5	17.7
20°-30°	10651.9	21.9
30°-40°	9761.8	20.1
40°-50°	7367.2	15.2
50°-60°	4750.1	9.8
60°-70°	2698.6	5.6
70°-80°	1213.7	2.5
80°-90°	234.4	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°	22580.8	46.5
0°-40°	32342.7	66.5
0°-60°	44460.0	91.5
0°-90°	48606.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48606.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	35921	
5°	35324	###
15°	30859	8612
25°	23236	10652
35°	15608	9762
45°	9500	7367
55°	5254	4750
65°	2671	2699
75°	1114	1214
85°	162	234
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	35921
1°	35883
2°	35801
3°	35694
4°	35533
5°	35324
6°	35067
7°	34764
8°	34436
9°	34046
10°	33621
11°	33131
12°	32623
13°	32073
14°	31479
15°	30859
17.5°	29174
20°	27253
22.5°	25244
25°	23236
27.5°	21242
30°	19276
32.5°	17378
35°	15608
37.5°	13902
40°	12345
42.5°	10855
45°	9500
47.5°	8247
50°	7124
52.5°	6131
55°	5254
57.5°	4458
60°	3802
62.5°	3203
65°	2671
67.5°	2234
70°	1831
72.5°	1460
75°	1114
77.5°	834
80°	568
82.5°	350
85°	162
87.5°	66



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)