

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: G2-1902-155-26

Luminaire Tested: **G8-W-PC-500-5600**

Test Date: 03/08/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-26
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/08/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-500-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 5, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

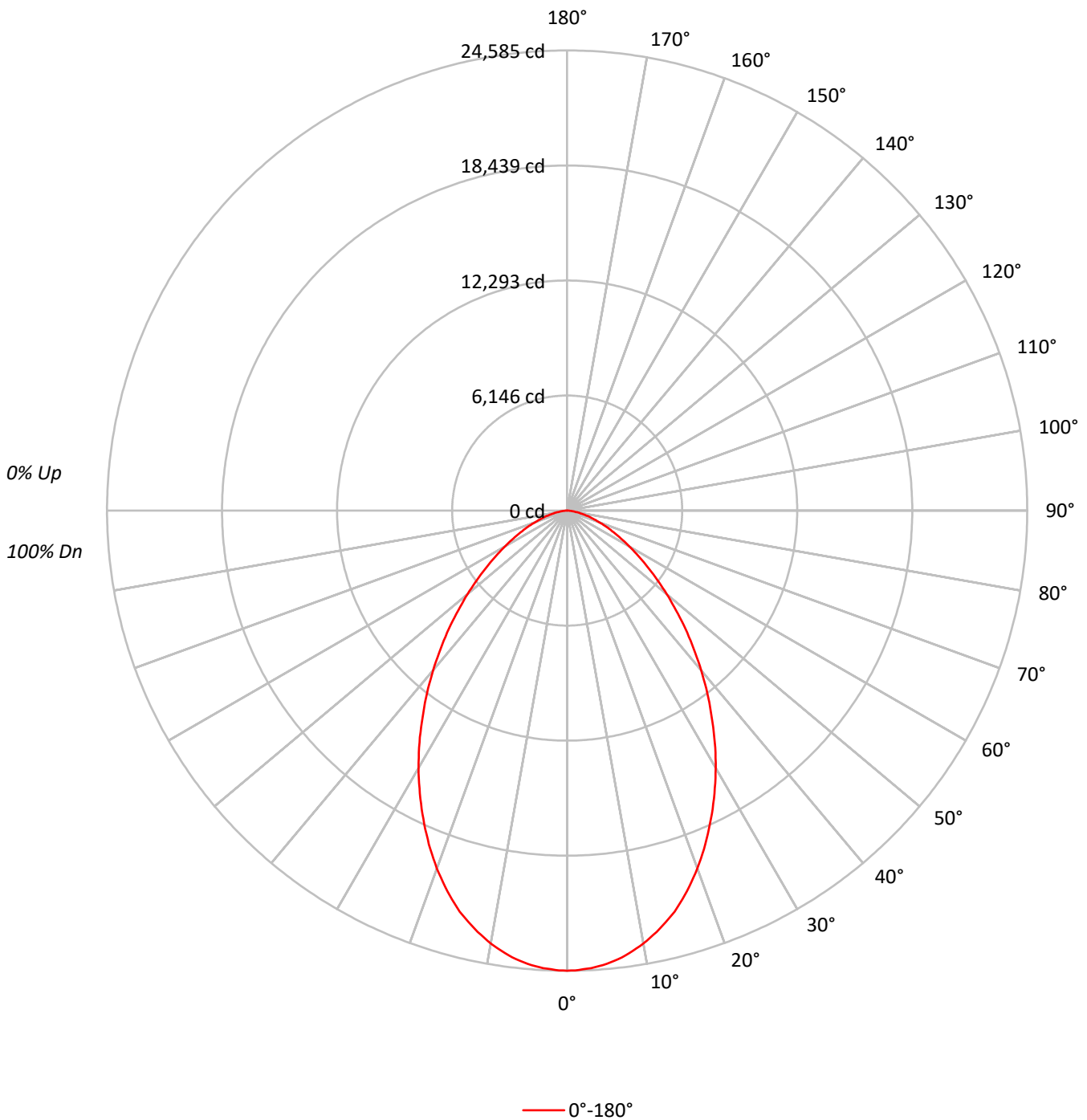
Lumens per Lamp: N/A
Luminaire Lumens: 41081.1 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.08
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 345.2
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	107	104	101	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77	73	70	68
4	88	78	70	65	86	77	70	64	74	68	63		72	67	63		70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	56		66	60	56		64	59	55	53
6	77	65	57	51	75	64	56	51	62	56	51		61	55	50		59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46		56	50	46		55	49	45	43
8	67	55	47	42	66	54	47	42	53	46	42		52	46	41		51	45	41	40
9	63	51	43	38	62	50	43	38	49	43	38		48	42	38		47	42	38	36
10	59	47	40	35	58	47	40	35	46	40	35		45	39	35		44	39	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219953
5°	218305
10°	213308
15°	205446
20°	193720
25°	179474
30°	164041
35°	147084
40°	129999
45°	113024
50°	96650
55°	81733
60°	68656
65°	57772
70°	47817
75°	39337
80°	29573
85°	17451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2293.9	5.6
10°-20°	6210.6	15.1
20°-30°	8344.1	20.3
30°-40°	8415.0	20.5
40°-50°	6900.2	16.8
50°-60°	4723.5	11.5
60°-70°	2735.6	6.7
70°-80°	1221.0	3.0
80°-90°	237.3	0.6
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°	16848.5	41.0
0°-40°	25263.6	61.5
0°-60°	36887.3	89.8
0°-90°	41081.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	41081.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24585	
5°	24308	###
15°	22181	6211
25°	18181	8344
35°	13467	8415
45°	8933	6900
55°	5240	4723
65°	2729	2736
75°	1138	1221
85°	170	237
90°	0	



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CANDELA DISTRIBUTION (FULL):

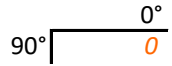
0°	
0°	24585
1°	24573
2°	24521
3°	24484
4°	24399
5°	24308
6°	24177
7°	24055
8°	23873
9°	23689
10°	23480
11°	23248
12°	23013
13°	22733
14°	22462
15°	22181
17.5°	21313
20°	20347
22.5°	19298
25°	18181
27.5°	17041
30°	15879
32.5°	14685
35°	13467
37.5°	12296
40°	11131
42.5°	10011
45°	8933
47.5°	7888
50°	6944
52.5°	6051
55°	5240
57.5°	4497
60°	3837
62.5°	3249
65°	2729
67.5°	2264
70°	1828
72.5°	1465
75°	1138
77.5°	831
80°	574
82.5°	355
85°	170
87.5°	61



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)