

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: G2-1902-155-7

Luminaire Tested: **G8-W-PC-400-4000**

Test Date: 03/06/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-7
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/06/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-400-4000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

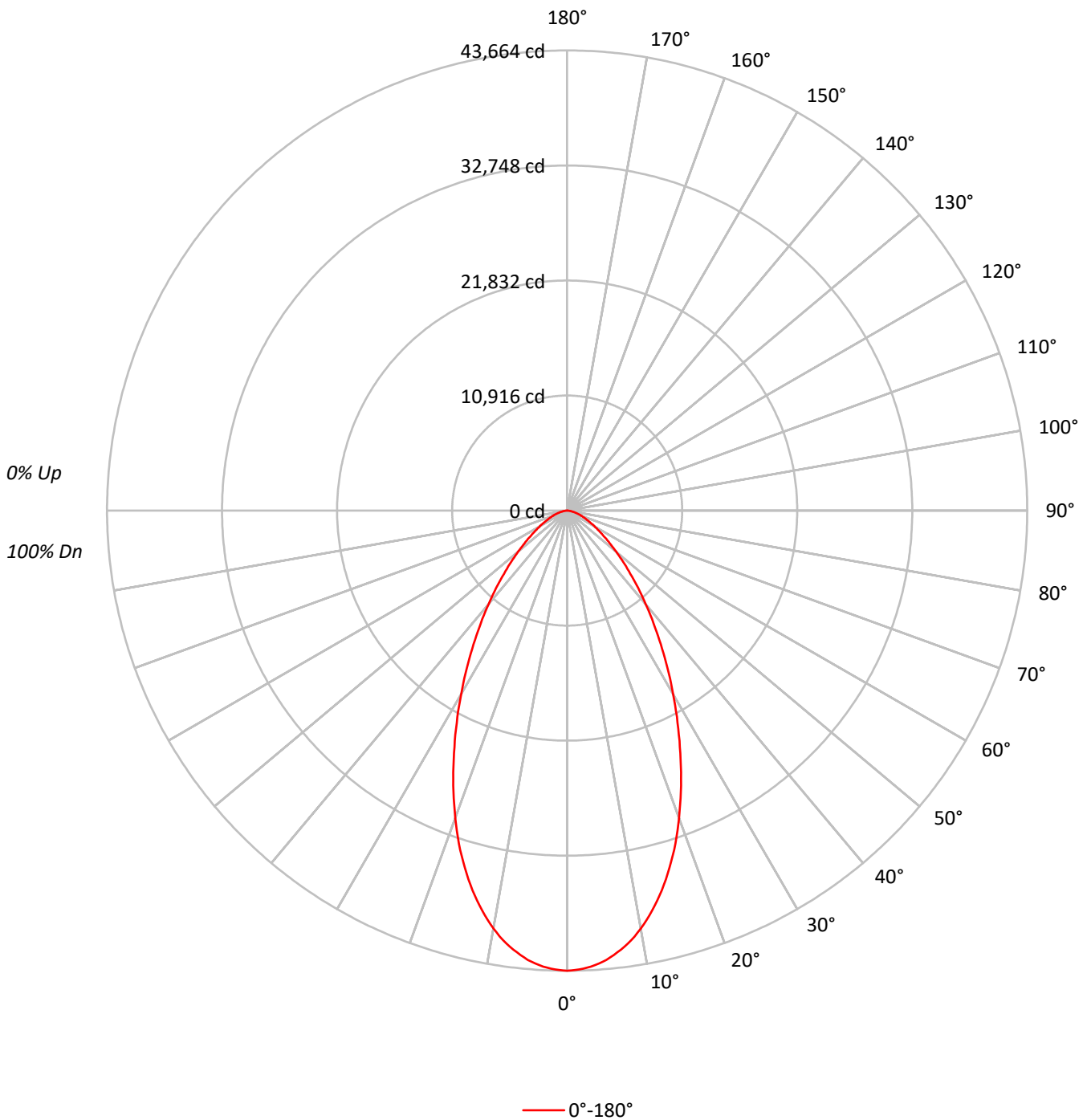
Lumens per Lamp: N/A
Luminaire Lumens: 49138.9 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.89
Luminous Opening: Rectangular (W 1.21' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 406.8
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	112	108	105	103	109	106	103	101	102	100	98		98	97	95		95	93	92	90
2	105	99	94	89	102	97	92	88	93	90	86		90	87	84		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	77	75	73
4	92	82	76	71	90	81	75	70	79	74	69		77	72	68		75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70	65	62	60
6	81	70	63	58	79	69	63	58	68	62	57		66	61	57		65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	53		62	56	52		61	56	52	50
8	72	61	54	49	70	60	53	49	59	53	49		58	52	48		57	52	48	47
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53	48	45	43
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	282881
5°	278285
10°	264938
15°	242845
20°	214084
25°	181453
30°	150507
35°	122414
40°	98112
45°	77621
50°	60977
55°	48038
60°	38703
65°	31686
70°	26481
75°	22103
80°	16602
85°	10407



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4004.6	8.1
10°-20°	10074.0	20.5
20°-30°	11641.3	23.7
30°-40°	9708.4	19.8
40°-50°	6610.3	13.5
50°-60°	3878.7	7.9
60°-70°	2090.7	4.3
70°-80°	948.0	1.9
80°-90°	182.8	0.4
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°	25720.0	52.3
0°-40°	35428.3	72.1
0°-60°	45917.4	93.4
0°-90°	49138.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49138.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	43664	
5°	42791	###
15°	36207	10074
25°	25384	11641
35°	15478	9708
45°	8472	6610
55°	4253	3879
65°	2067	2091
75°	883	948
85°	140	183
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	43664
1°	43604
2°	43499
3°	43327
4°	43091
5°	42791
6°	42399
7°	41974
8°	41487
9°	40926
10°	40273
11°	39555
12°	38807
13°	37989
14°	37125
15°	36207
17.5°	33773
20°	31052
22.5°	28227
25°	25384
27.5°	22692
30°	20119
32.5°	17707
35°	15478
37.5°	13437
40°	11601
42.5°	9963
45°	8472
47.5°	7185
50°	6050
52.5°	5082
55°	4253
57.5°	3557
60°	2987
62.5°	2497
65°	2067
67.5°	1709
70°	1398
72.5°	1140
75°	883
77.5°	654
80°	445
82.5°	286
85°	140
87.5°	24



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)