

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: G2-1902-155-29

Luminaire Tested: **G8-W-PC-400-3000**

Test Date: 03/09/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-29
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-400-3000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4, 3000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

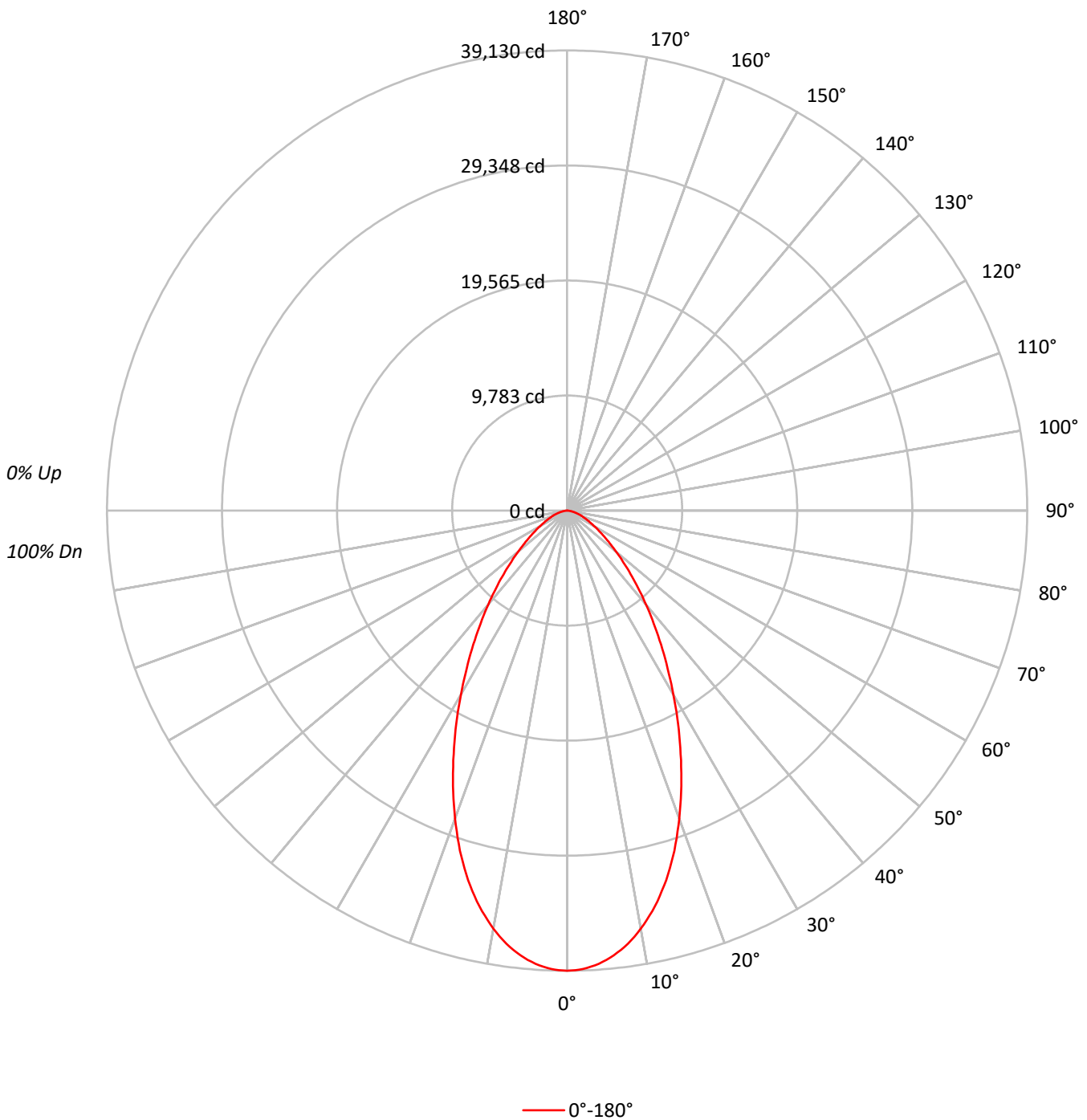
Lumens per Lamp: N/A
Luminaire Lumens: 44128.5 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.89
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 424.1
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°	350082
5°	344477
10°	328001
15°	301375
20°	265326
25°	225505
30°	186758
35°	151879
40°	121742
45°	96399
50°	75675
55°	59569
60°	48187
65°	39396
70°	32907
75°	27412
80°	20660
85°	12421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3589.9	8.1
10°-20°	9043.5	20.5
20°-30°	10463.1	23.7
30°-40°	8721.6	19.8
40°-50°	5938.0	13.5
50°-60°	3486.5	7.9
60°-70°	1875.4	4.2
70°-80°	850.0	1.9
80°-90°	160.5	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°	23096.5	52.3
0°-40°	31818.1	72.1
0°-60°	41242.6	93.5
0°-90°	44128.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	44128.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	39130	
5°	38357	###
15°	32538	9044
25°	22844	10463
35°	13906	8722
45°	7619	5938
55°	3819	3486
65°	1861	1875
75°	793	850
85°	121	161
90°	0	



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CANDELA DISTRIBUTION (FULL):

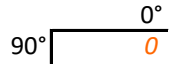
0°	
0°	39130
1°	39094
2°	39000
3°	38838
4°	38629
5°	38357
6°	38026
7°	37637
8°	37190
9°	36671
10°	36105
11°	35476
12°	34812
13°	34098
14°	33327
15°	32538
17.5°	30323
20°	27868
22.5°	25351
25°	22844
27.5°	20403
30°	18078
32.5°	15886
35°	13906
37.5°	12086
40°	10424
42.5°	8937
45°	7619
47.5°	6455
50°	5437
52.5°	4559
55°	3819
57.5°	3206
60°	2693
62.5°	2227
65°	1861
67.5°	1530
70°	1258
72.5°	1015
75°	793
77.5°	589
80°	401
82.5°	236
85°	121
87.5°	33



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)