

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: G2-1902-155-54

Luminaire Tested: **G8-W-PC-400-6500**

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-54
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/10/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-400-6500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4, 6500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

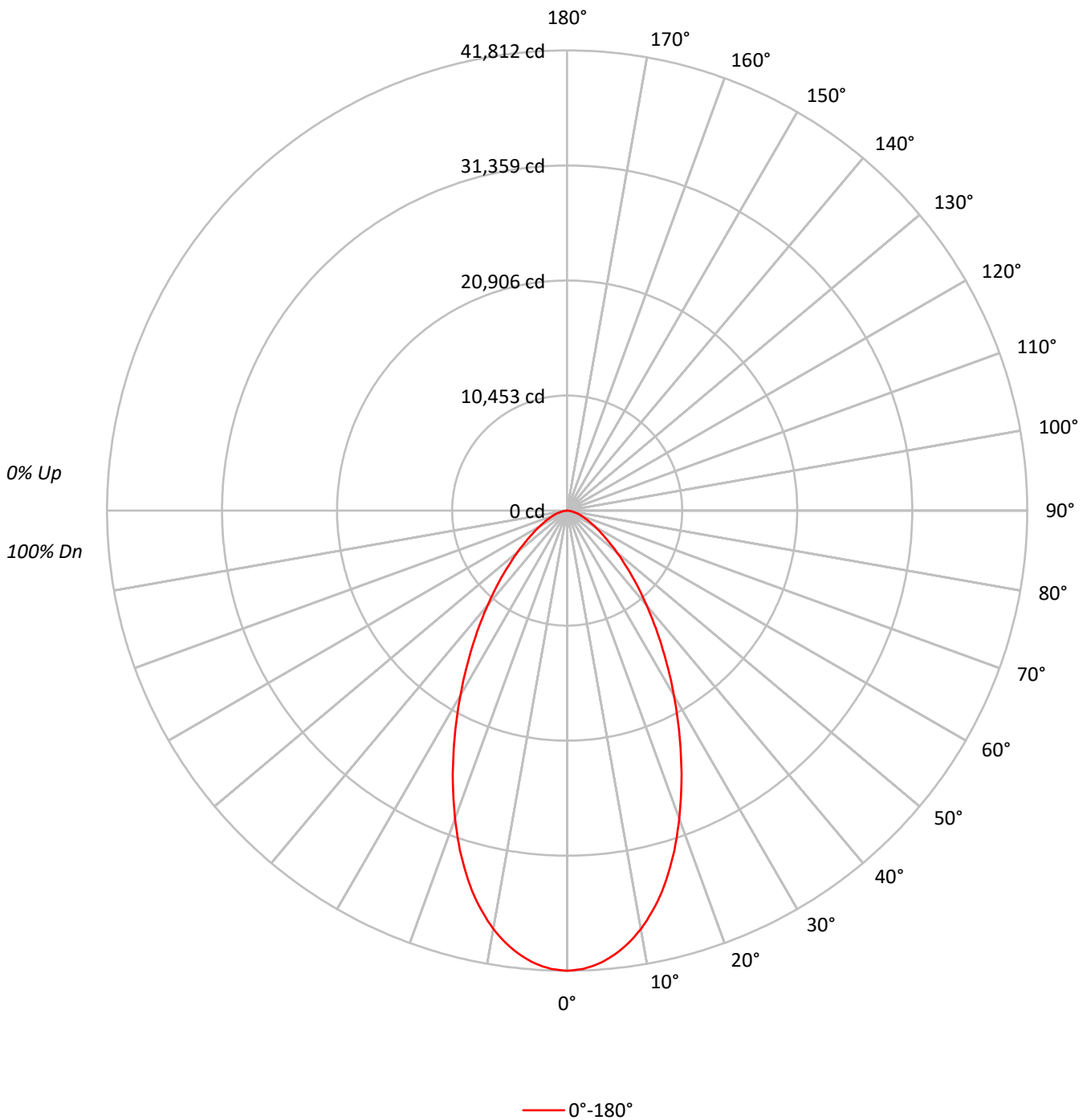
Lumens per Lamp: N/A
Luminaire Lumens: 47386.1 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.89
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 421.6
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	88	83	78	86	81	77		83	79	76		81	77	74	73
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75	71	67	66
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		69	65	61	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	52		62	56	52		60	56	52	50
8	72	61	54	49	70	60	53	49	59	53	48		58	52	48		57	52	48	46
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°	374077
5°	367863
10°	350604
15°	321872
20°	283520
25°	241319
30°	200467
35°	163216
40°	131295
45°	103813
50°	81869
55°	64544
60°	51837
65°	42572
70°	35732
75°	29486
80°	22566
85°	11292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3835.4	8.1
10°-20°	9664.8	20.4
20°-30°	11202.0	23.6
30°-40°	9379.1	19.8
40°-50°	6405.3	13.5
50°-60°	3775.2	8.0
60°-70°	2035.7	4.3
70°-80°	918.9	1.9
80°-90°	169.9	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°	24702.2	52.1
0°-40°	34081.2	71.9
0°-60°	44261.7	93.4
0°-90°	47386.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	47386.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	41812	
5°	40961	###
15°	34751	9665
25°	24446	11202
35°	14944	9379
45°	8205	6405
55°	4138	3775
65°	2011	2036
75°	853	919
85°	110	170
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	41812
1°	41759
2°	41663
3°	41488
4°	41260
5°	40961
6°	40610
7°	40207
8°	39729
9°	39201
10°	38593
11°	37940
12°	37219
13°	36471
14°	35648
15°	34751
17.5°	32391
20°	29779
22.5°	27131
25°	24446
27.5°	21859
30°	19405
32.5°	17091
35°	14944
37.5°	12999
40°	11242
42.5°	9646
45°	8205
47.5°	6963
50°	5882
52.5°	4931
55°	4138
57.5°	3486
60°	2897
62.5°	2436
65°	2011
67.5°	1664
70°	1366
72.5°	1103
75°	853
77.5°	630
80°	438
82.5°	257
85°	110
87.5°	39



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)