

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: G2-1902-155-58

Luminaire Tested: **G8-W-PC-GREEN**

Test Date: 03/11/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-58
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/11/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-GREEN
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. GREEN LED
MAX OUTPUT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

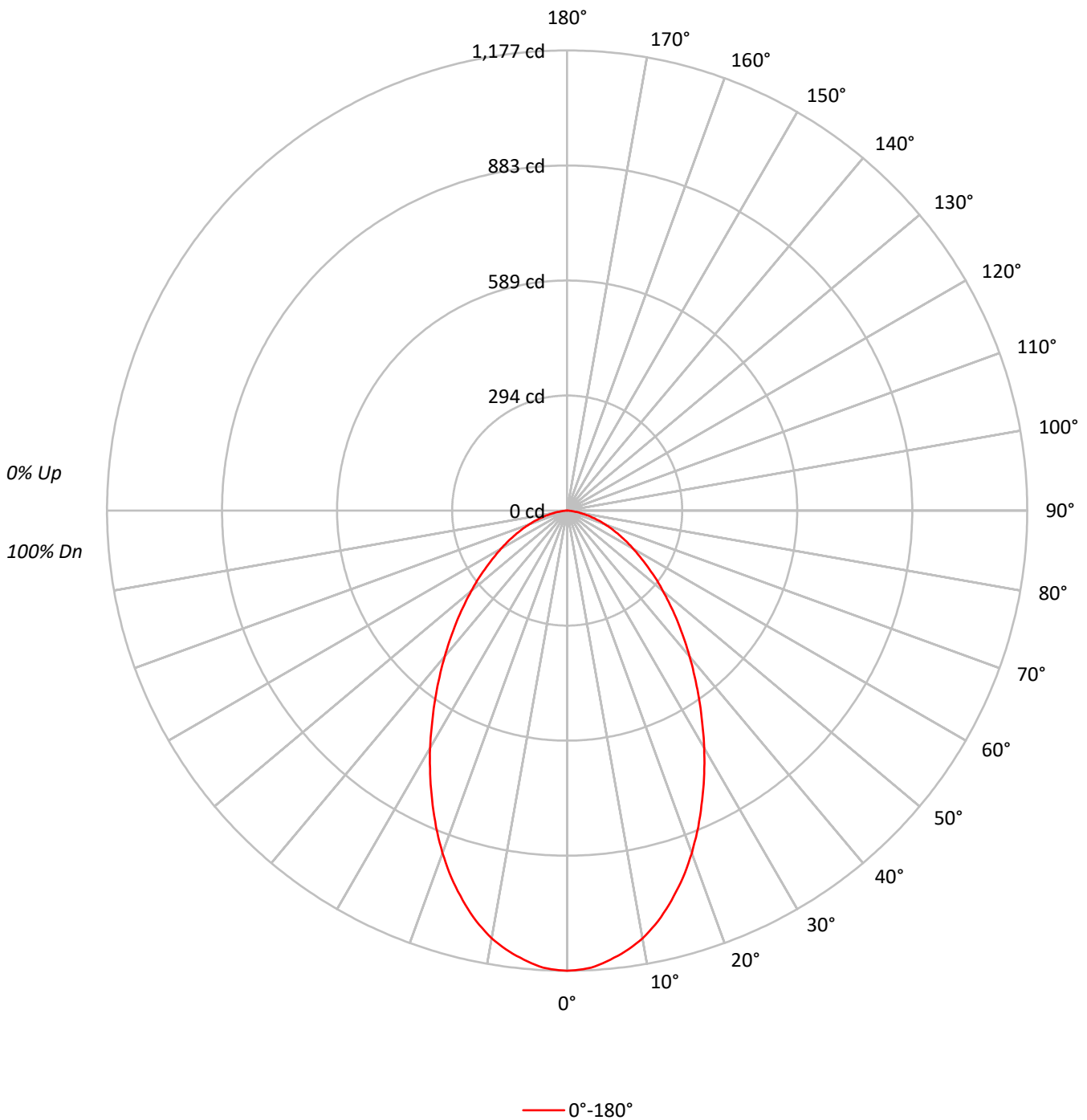
Lumens per Lamp: N/A
Luminaire Lumens: 1905.1 lumens
Efficiency: N/A
Efficacy: 52.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 1.04
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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	103	100	108	104	101	98	100	98	95		96	94	92		93	91	90	88
2	102	95	90	85	100	93	88	84	90	86	82		87	83	80		84	81	78	76
3	95	86	79	73	92	84	78	72	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	63	74	67	62		71	66	62		69	65	61	59
5	82	70	62	56	80	69	62	56	67	61	56		65	59	55		63	58	54	53
6	76	64	56	50	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	46	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38		48	42	37		47	41	37	36
10	59	47	40	35	58	46	40	35	46	39	35		45	39	35		44	38	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10530
5°	10400
10°	10093
15°	9559
20°	8873
25°	8065
30°	7242
35°	6422
40°	5688
45°	5036
50°	4454
55°	3931
60°	3489
65°	3091
70°	2720
75°	2247
80°	1649
85°	1027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	5.7
10°-20°	288.9	15.2
20°-30°	375.1	19.7
30°-40°	368.2	19.3
40°-50°	307.9	16.2
50°-60°	227.1	11.9
60°-70°	145.7	7.6
70°-80°	69.8	3.7
80°-90°	13.3	0.7
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°	773.0	40.6
0°-40°	1141.2	59.9
0°-60°	1676.2	88.0
0°-90°	1905.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1905.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1177	
5°	1158	109
15°	1032	289
25°	817	375
35°	588	368
45°	398	308
55°	252	227
65°	146	146
75°	65	70
85°	10	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1177
1°	1176
2°	1174
3°	1171
4°	1165
5°	1158
6°	1150
7°	1142
8°	1133
9°	1122
10°	1111
11°	1097
12°	1083
13°	1067
14°	1050
15°	1032
17.5°	985
20°	932
22.5°	876
25°	817
27.5°	759
30°	701
32.5°	643
35°	588
37.5°	536
40°	487
42.5°	441
45°	398
47.5°	357
50°	320
52.5°	286
55°	252
57.5°	222
60°	195
62.5°	170
65°	146
67.5°	124
70°	104
72.5°	84
75°	65
77.5°	48
80°	32
82.5°	19
85°	10
87.5°	4



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)