

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: G2-1902-155-57

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

Test Date: 03/11/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-57
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-RED
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. RED LED MAX OUTPUT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

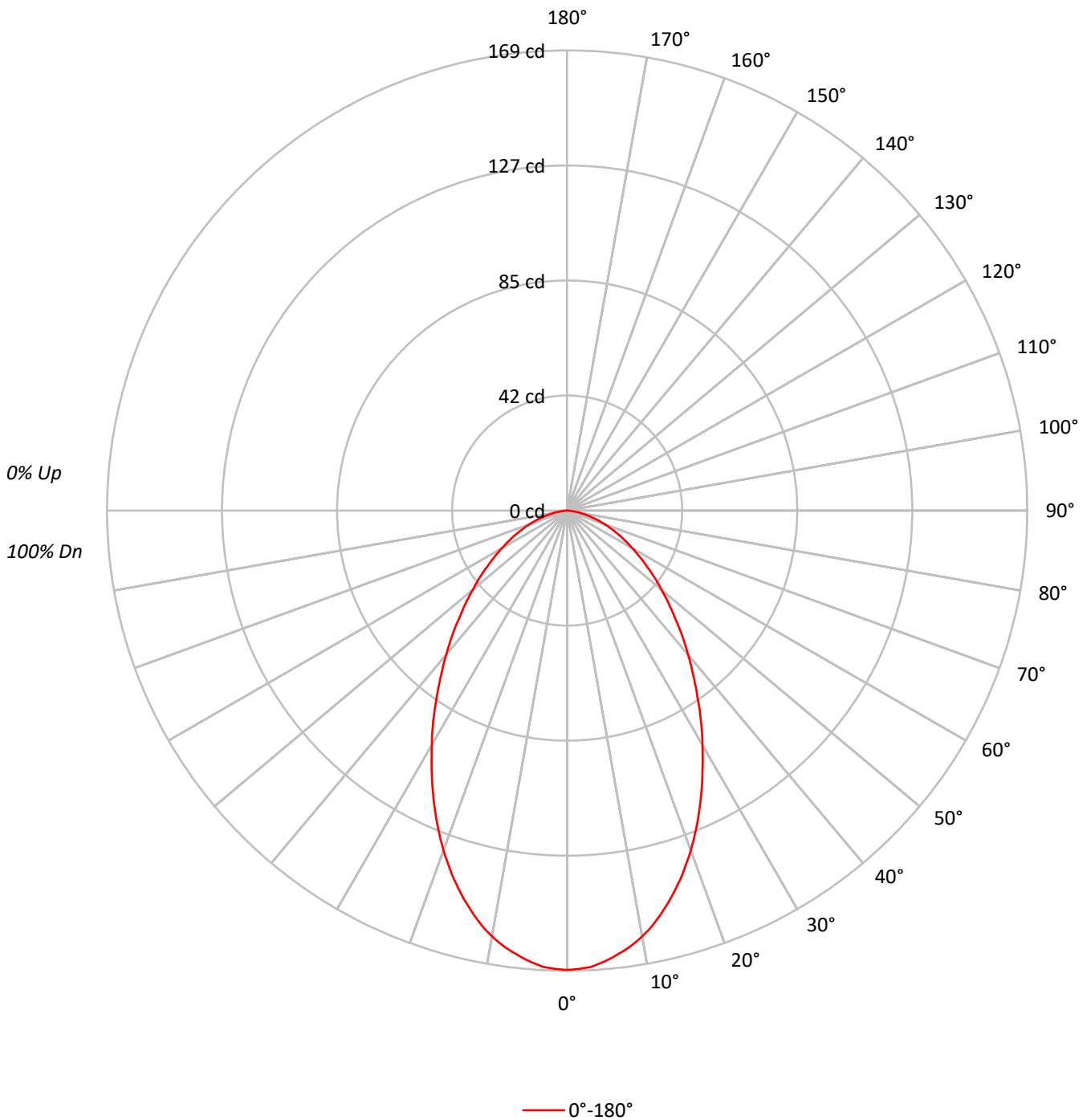
Lumens per Lamp: N/A
Luminaire Lumens: 270.9 lumens
Efficiency: N/A
Efficacy: 7.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 1.03
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 35.8
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	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	45	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	38		47	41	37	36
10	59	47	40	35	58	47	40	35	46	39	35		45	39	35		44	38	34	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1509
5°	1490
10°	1443
15°	1364
20°	1264
25°	1147
30°	1027
35°	911
40°	807
45°	712
50°	631
55°	558
60°	496
65°	442
70°	385
75°	318
80°	237
85°	144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	5.8
10°-20°	41.2	15.2
20°-30°	53.3	19.7
30°-40°	52.3	19.3
40°-50°	43.6	16.1
50°-60°	32.2	11.9
60°-70°	20.7	7.7
70°-80°	9.9	3.7
80°-90°	1.9	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°	110.1	40.7
0°-40°	162.4	60.0
0°-60°	238.3	88.0
0°-90°	270.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	270.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	169	
5°	166	16
15°	147	41
25°	116	53
35°	83	52
45°	56	44
55°	36	32
65°	21	21
75°	9	10
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	168.7
1°	168.5
2°	168.2
3°	167.8
4°	166.9
5°	165.9
6°	164.7
7°	163.4
8°	162.1
9°	160.5
10°	158.8
11°	156.9
12°	154.7
13°	152.3
14°	149.8
15°	147.3
17.5°	140.4
20°	132.8
22.5°	124.7
25°	116.2
27.5°	107.7
30°	99.4
32.5°	91.5
35°	83.4
37.5°	76.0
40°	69.1
42.5°	62.6
45°	56.3
47.5°	50.6
50°	45.3
52.5°	40.5
55°	35.8
57.5°	31.6
60°	27.7
62.5°	24.1
65°	20.9
67.5°	17.7
70°	14.7
72.5°	12.0
75°	9.2
77.5°	6.9
80°	4.6
82.5°	2.8
85°	1.4
87.5°	0.6



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)