

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: G2-1902-155-59

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

Test Date: 03/11/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-59
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-BLUE
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BLUE LED
MAX OUTPUT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

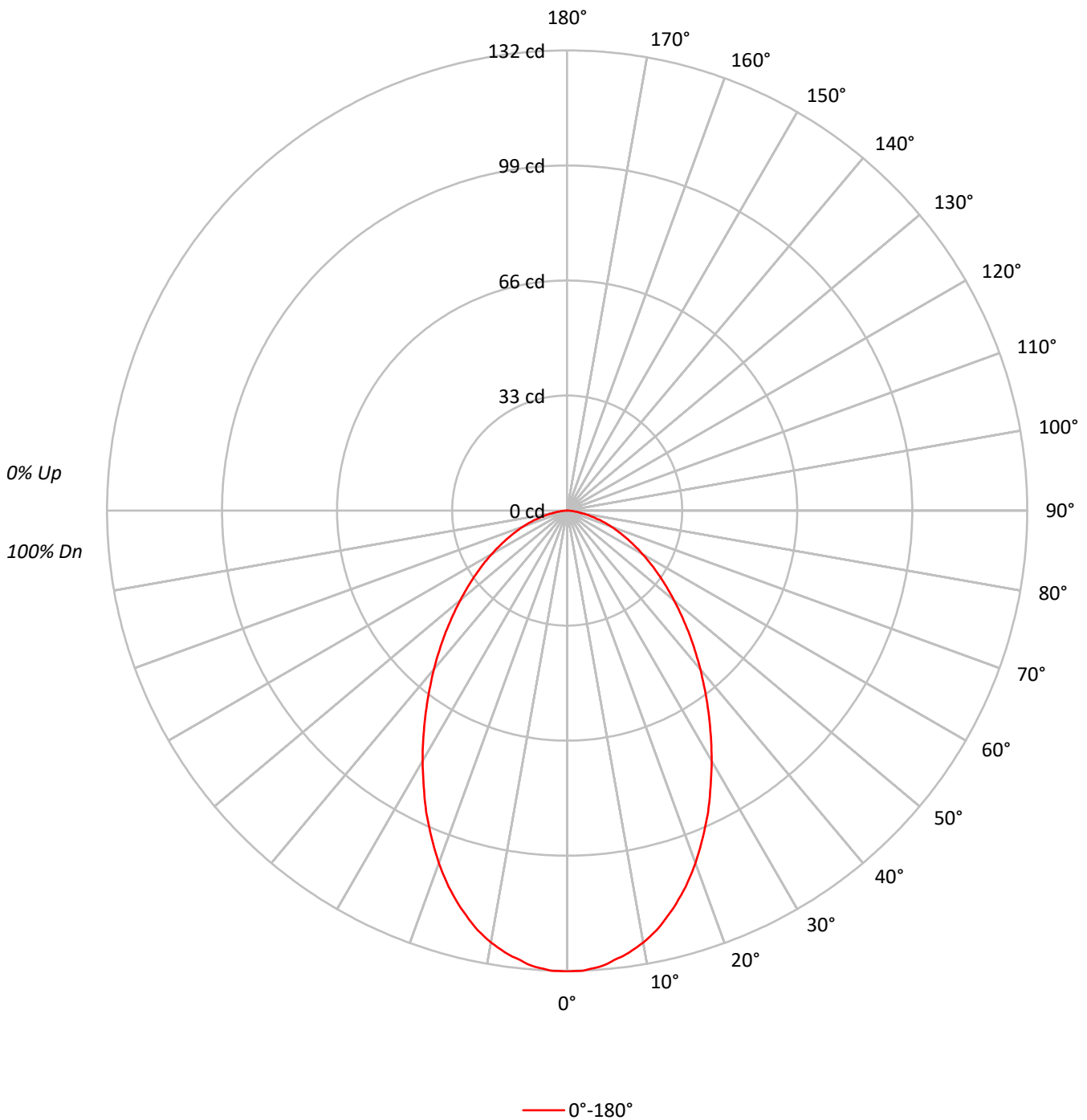
Lumens per Lamp: N/A
Luminaire Lumens: 229.8 lumens
Efficiency: N/A
Efficacy: 6.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1.07
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 36.2
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	110	106	103	100	108	104	101	98	100	97	95		96	94	92		93	91	89	87
2	102	95	89	84	99	93	88	83	89	85	81		86	83	79		83	80	78	76
3	94	85	78	72	92	83	77	71	80	75	70		78	73	69		75	71	68	66
4	87	76	69	63	85	75	68	62	73	66	61		70	65	61		68	64	60	58
5	81	69	61	55	79	68	61	55	66	60	54		64	58	54		63	57	53	51
6	75	63	55	49	73	62	55	49	61	54	49		59	53	48		57	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44		54	48	44		53	48	43	42
8	66	53	46	40	64	53	45	40	51	45	40		50	44	40		49	44	39	38
9	62	49	42	37	60	49	42	37	48	41	36		47	41	36		46	40	36	34
10	58	46	39	34	57	45	38	34	45	38	34		44	38	33		43	37	33	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1183
5°	1173
10°	1143
15°	1093
20°	1024
25°	944
30°	856
35°	772
40°	694
45°	623
50°	557
55°	499
60°	447
65°	398
70°	351
75°	294
80°	222
85°	133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	5.4
10°-20°	33.0	14.4
20°-30°	43.8	19.1
30°-40°	44.2	19.2
40°-50°	38.0	16.5
50°-60°	28.8	12.5
60°-70°	18.8	8.2
70°-80°	9.1	4.0
80°-90°	1.8	0.8
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°	89.2	38.8
0°-40°	133.4	58.0
0°-60°	200.2	87.1
0°-90°	229.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	229.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	132	
5°	131	12
15°	118	33
25°	96	44
35°	71	44
45°	49	38
55°	32	29
65°	19	19
75°	8	9
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	132.2
1°	132.1
2°	132.1
3°	131.6
4°	131.2
5°	130.6
6°	129.6
7°	128.9
8°	128.0
9°	126.9
10°	125.8
11°	124.5
12°	123.1
13°	121.5
14°	119.7
15°	118.0
17.5°	113.1
20°	107.6
22.5°	101.6
25°	95.6
27.5°	89.1
30°	82.9
32.5°	76.7
35°	70.7
37.5°	64.9
40°	59.4
42.5°	54.2
45°	49.2
47.5°	44.4
50°	40.0
52.5°	35.9
55°	32.0
57.5°	28.4
60°	25.0
62.5°	21.8
65°	18.8
67.5°	16.1
70°	13.4
72.5°	11.0
75°	8.5
77.5°	6.3
80°	4.3
82.5°	2.5
85°	1.3
87.5°	0.5



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)