

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: G2-1810-991-59

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

Test Date: 11/07/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-59
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/07/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-BLUE
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BLUE LED
MAX OUTPUT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

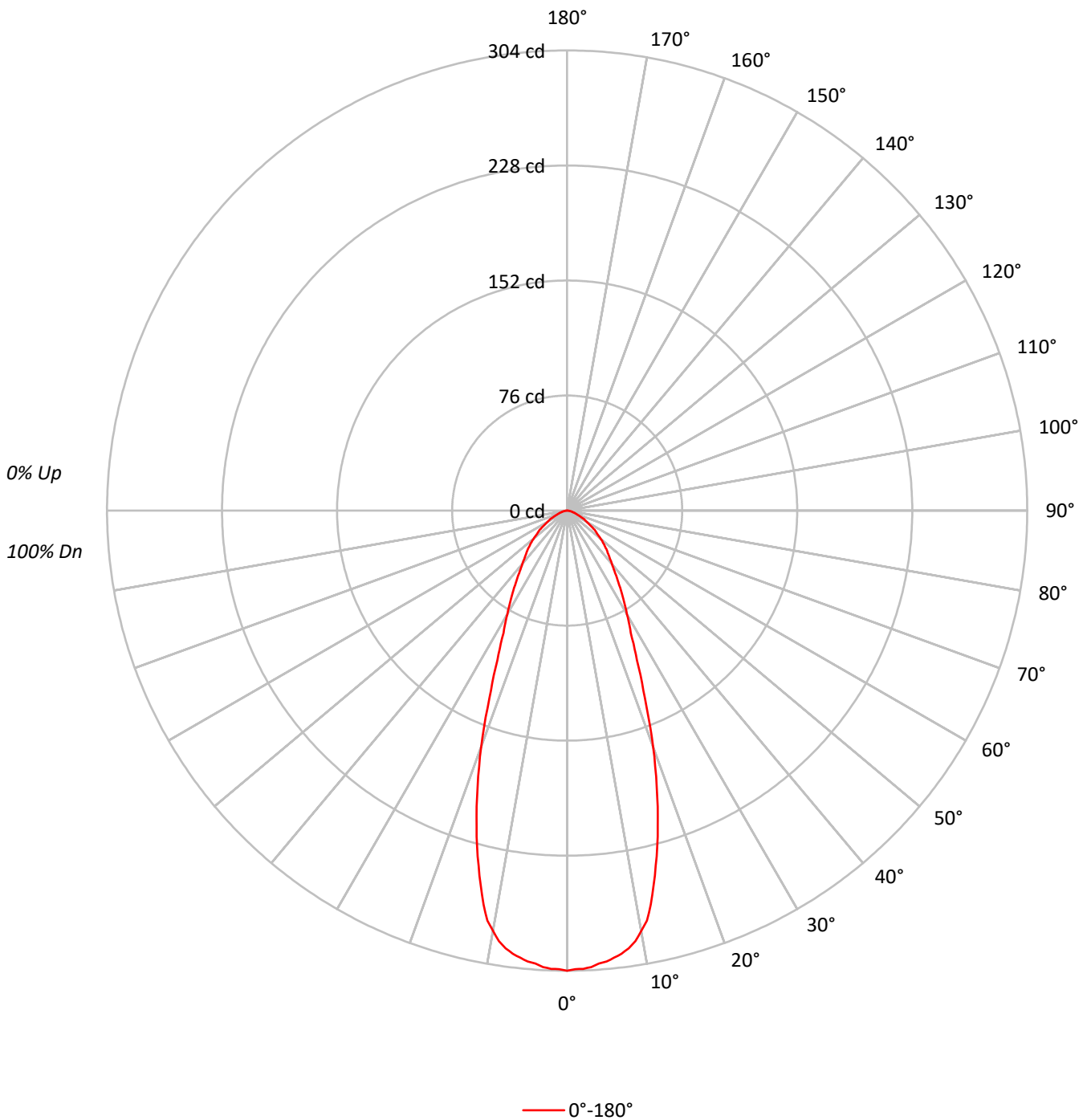
Lumens per Lamp: N/A
Luminaire Lumens: 243.7 lumens
Efficiency: N/A
Efficacy: 6.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.68
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95	94	93	91
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89	86	84	82
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77	73	70	68
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	65	63
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	62	57	77	68	61	57	66	60	56		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	53		61	56	52		60	56	52	51
9	71	60	54	50	70	60	54	49	59	53	49		58	53	49		57	52	49	47
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54	50	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2596
5°	2563
10°	2445
15°	2033
20°	1509
25°	1027
30°	779
35°	626
40°	513
45°	447
50°	385
55°	328
60°	256
65°	202
70°	150
75°	132
80°	98
85°	98



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	11.5
10°-20°	63.0	25.8
20°-30°	51.7	21.2
30°-40°	37.8	15.5
40°-50°	28.6	11.7
50°-60°	19.4	8.0
60°-70°	10.2	4.2
70°-80°	4.2	1.7
80°-90°	0.8	0.3
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°	142.7	58.5
0°-40°	180.5	74.1
0°-60°	228.5	93.7
0°-90°	243.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	243.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	304	
5°	299	28
15°	230	63
25°	109	52
35°	60	38
45°	37	29
55°	22	19
65°	10	10
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	304
1°	303
2°	303
3°	302
4°	300
5°	299
6°	297
7°	295
8°	292
9°	288
10°	282
11°	276
12°	266
13°	254
14°	242
15°	230
17.5°	198
20°	166
22.5°	134
25°	109
27.5°	91
30°	79
32.5°	69
35°	60
37.5°	52
40°	46
42.5°	41
45°	37
47.5°	33
50°	29
52.5°	25
55°	22
57.5°	18
60°	15
62.5°	13
65°	10
67.5°	8
70°	6
72.5°	5
75°	4
77.5°	3
80°	2
82.5°	1
85°	1
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)