

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: G2-1810-991-57

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

Test Date: 11/07/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-57
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/07/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-N-PC-RED
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. RED LED MAX OUTPUT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

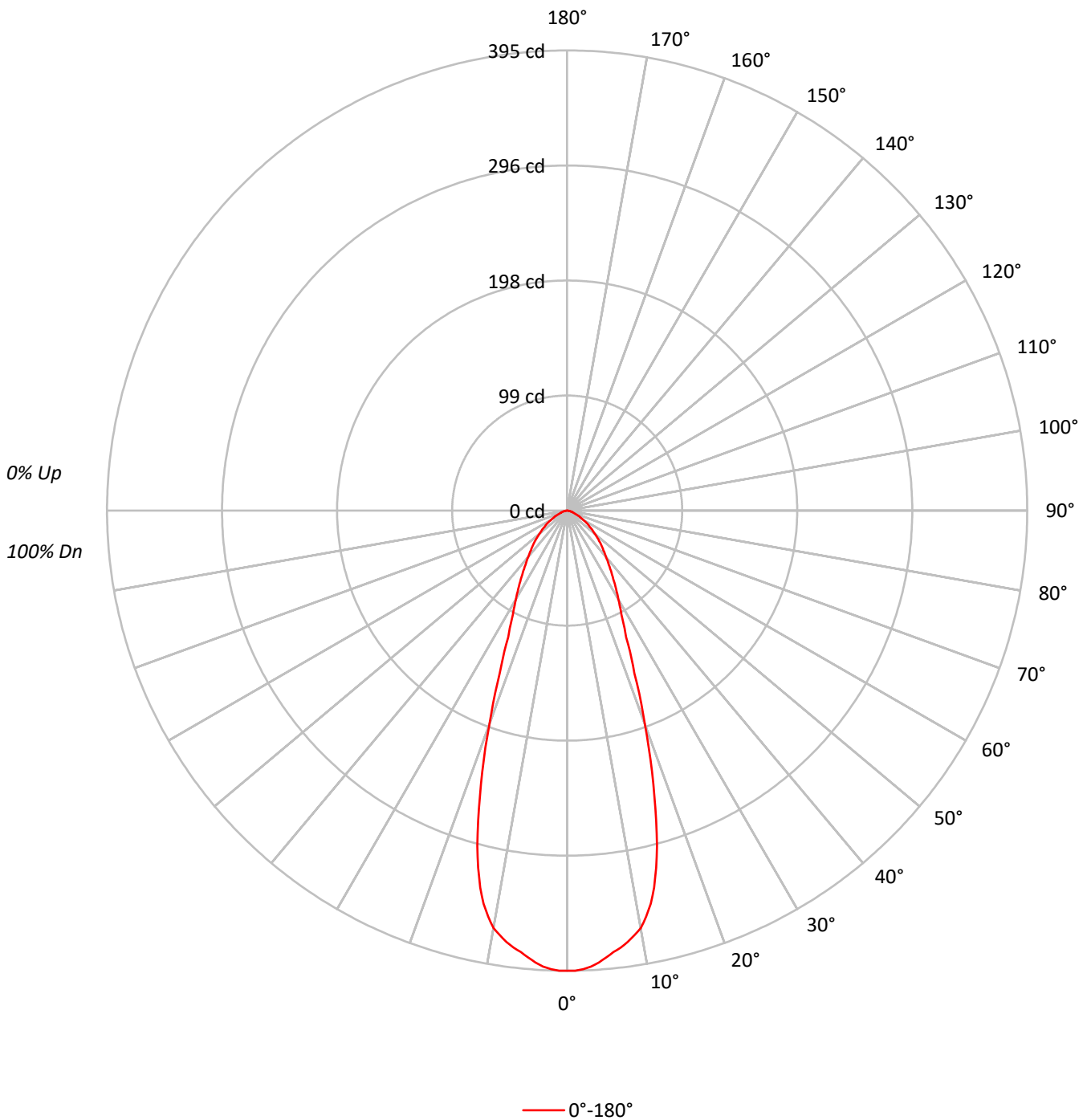
Lumens per Lamp: N/A
Luminaire Lumens: 284.6 lumens
Efficiency: N/A
Efficacy: 8.0 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.64
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 35.7
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	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89	87	85	83
3	100	92	87	82	98	91	86	82	88	84	80		86	82	79		83	80	78	76
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	71	70
5	89	80	73	68	87	79	73	68	77	71	67		75	70	67		73	69	66	65
6	84	74	68	63	83	74	67	63	72	67	62		71	66	62		69	65	62	60
7	80	70	63	59	78	69	63	59	68	62	58		67	62	58		65	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62	57	54	53
9	72	62	56	52	71	62	56	51	61	55	51		60	55	51		59	54	51	49
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3373
5°	3300
10°	3157
15°	2635
20°	1772
25°	1131
30°	868
35°	698
40°	580
45°	495
50°	412
55°	342
60°	273
65°	222
70°	150
75°	132
80°	98
85°	98



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	12.7
10°-20°	79.9	28.1
20°-30°	58.0	20.4
30°-40°	42.4	14.9
40°-50°	31.6	11.1
50°-60°	20.8	7.3
60°-70°	10.6	3.7
70°-80°	4.2	1.5
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°	174.0	61.1
0°-40°	216.4	76.1
0°-60°	268.9	94.5
0°-90°	284.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	284.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	395	
5°	385	36
15°	298	80
25°	120	58
35°	67	42
45°	41	32
55°	23	21
65°	11	11
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	395
1°	395
2°	394
3°	392
4°	389
5°	385
6°	381
7°	378
8°	374
9°	369
10°	364
11°	355
12°	345
13°	332
14°	316
15°	298
17.5°	246
20°	195
22.5°	151
25°	120
27.5°	101
30°	88
32.5°	77
35°	67
37.5°	59
40°	52
42.5°	46
45°	41
47.5°	36
50°	31
52.5°	27
55°	23
57.5°	20
60°	16
62.5°	13
65°	11
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)