

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: G2-1810-991-18

Luminaire Tested: **G8-N-PC-360-5600**

Test Date: 10/25/18

**Test Information**

Test Method: LM-79-08  
Report Number: G2-1810-991-18  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 10/25/18  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: G8-N-PC-360-5600  
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.6, 5600K CCT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

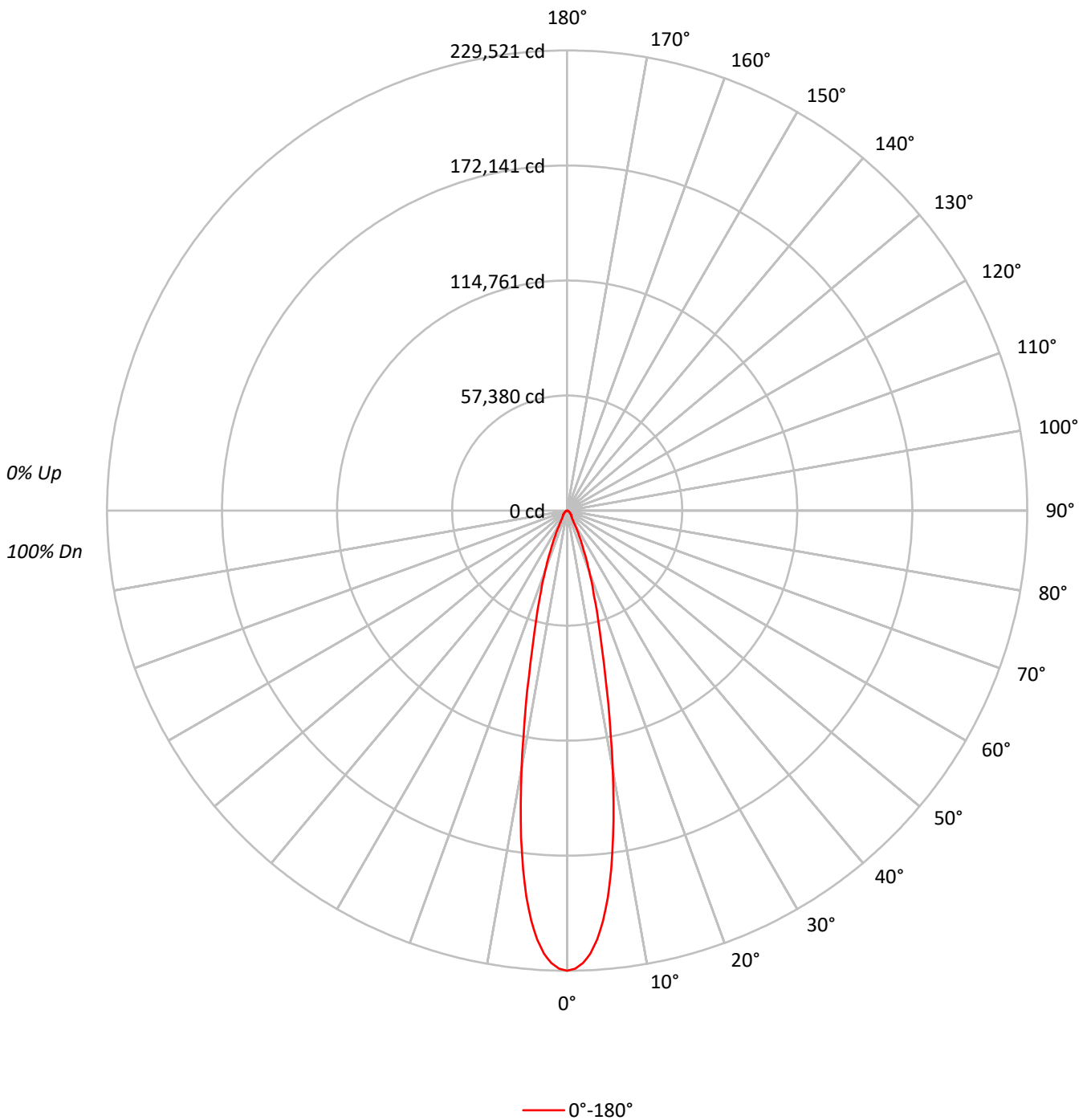
Lumens per Lamp: N/A  
Luminaire Lumens: 49497.8 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.38  
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 420.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	99	92	87	84	97	91	87	84	89	86	83	88	85	82	86	84	82	80
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75
8	90	82	78	75	89	82	77	74	81	77	74	80	76	74	79	76	74	73
9	87	80	75	72	86	79	75	72	78	75	72	78	74	72	77	74	71	70
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	69	68

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1960101
5°	1761700
10°	1134190
15°	556166
20°	289963
25°	138025
30°	63022
35°	41139
40°	35930
45°	30749
50°	24286
55°	19519
60°	16089
65°	12326
70°	9963
75°	8579
80°	7426
85°	6467



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17154.0	34.7
10°-20°	18341.6	37.1
20°-30°	7225.2	14.6
30°-40°	2641.3	5.3
40°-50°	1956.2	4.0
50°-60°	1199.7	2.4
60°-70°	633.6	1.3
70°-80°	275.9	0.6
80°-90°	70.3	0.1
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°	42720.7	86.3
0°-40°	45362.0	91.6
0°-60°	48517.9	98.0
0°-90°	49497.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49497.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	229521	
5°	205504	###
15°	62906	18342
25°	14648	7225
35°	3946	2641
45°	2546	1956
55°	1311	1200
65°	610	634
75°	260	276
85°	66	70
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	229521
1°	228570
2°	225857
3°	221214
4°	214514
5°	205504
6°	193918
7°	180245
8°	164792
9°	147945
10°	130792
11°	114139
12°	98704
13°	84843
14°	72893
15°	62906
17.5°	44743
20°	31906
22.5°	22051
25°	14648
27.5°	9557
30°	6391
32.5°	4745
35°	3946
37.5°	3544
40°	3223
42.5°	2933
45°	2546
47.5°	2178
50°	1828
52.5°	1554
55°	1311
57.5°	1132
60°	942
62.5°	762
65°	610
67.5°	524
70°	399
72.5°	320
75°	260
77.5°	192
80°	151
82.5°	93
85°	66
87.5°	24



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)