

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: G2-1810-991-5

Luminaire Tested: **G8-N-PC-360-4000**

Test Date: 10/22/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-5
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/22/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-N-PC-360-4000
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.6, 4000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

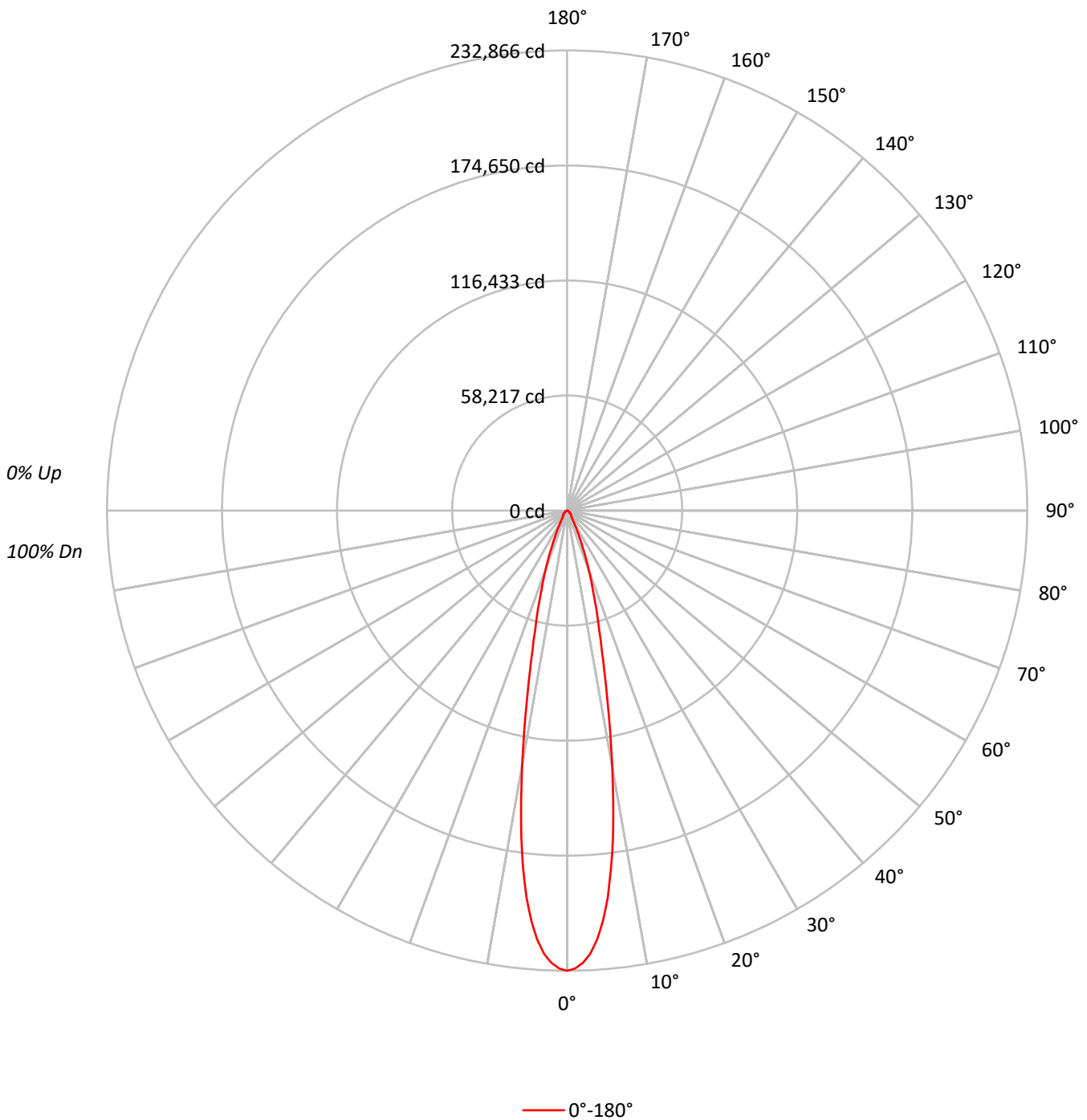
Lumens per Lamp: N/A
Luminaire Lumens: 49469.5 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.37
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 410.7
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	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	97		98	96	95		96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91		95	92	90		92	90	88	87
4	102	96	92	88	101	95	91	88	93	90	87		91	88	86		89	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83		88	85	82		87	84	82	80
6	95	89	84	81	94	88	83	80	86	83	80		85	82	79		84	81	79	78
7	93	85	81	78	91	85	80	77	84	80	77		83	79	77		82	79	76	75
8	90	82	78	75	89	82	78	75	81	77	74		80	77	74		79	76	74	73
9	87	80	75	72	86	79	75	72	79	75	72		78	74	72		77	74	72	71
10	85	78	73	70	84	77	73	70	76	73	70		76	72	70		75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1988667
5°	1786218
10°	1136809
15°	553964
20°	288382
25°	135283
30°	62519
35°	41107
40°	36053
45°	30821
50°	24100
55°	19639
60°	15987
65°	12448
70°	9663
75°	7754
80°	6688
85°	6173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17350.6	35.1
10°-20°	18268.6	36.9
20°-30°	7126.5	14.4
30°-40°	2633.3	5.3
40°-50°	1953.4	3.9
50°-60°	1191.4	2.4
60°-70°	621.5	1.3
70°-80°	259.1	0.5
80°-90°	65.0	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°	42745.7	86.4
0°-40°	45379.0	91.7
0°-60°	48523.8	98.1
0°-90°	49469.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	49469.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	232866	
5°	208364	###
15°	62657	18269
25°	14357	7126
35°	3943	2633
45°	2552	1953
55°	1319	1191
65°	616	622
75°	235	259
85°	63	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	232866
1°	231791
2°	229020
3°	224398
4°	217703
5°	208364
6°	196612
7°	182435
8°	166397
9°	149075
10°	131094
11°	114005
12°	98051
13°	84259
14°	72467
15°	62657
17.5°	44598
20°	31732
22.5°	21763
25°	14357
27.5°	9377
30°	6340
32.5°	4711
35°	3943
37.5°	3545
40°	3234
42.5°	2926
45°	2552
47.5°	2167
50°	1814
52.5°	1538
55°	1319
57.5°	1113
60°	936
62.5°	753
65°	616
67.5°	488
70°	387
72.5°	310
75°	235
77.5°	177
80°	136
82.5°	87
85°	63
87.5°	21



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)