

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: G2-1810-991-43

Luminaire Tested: **G8-N-PC-350-5000**

Test Date: 11/03/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-43
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/03/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: G8-N-PC-350-5000
Description: EPHEBUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3.5, 5000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

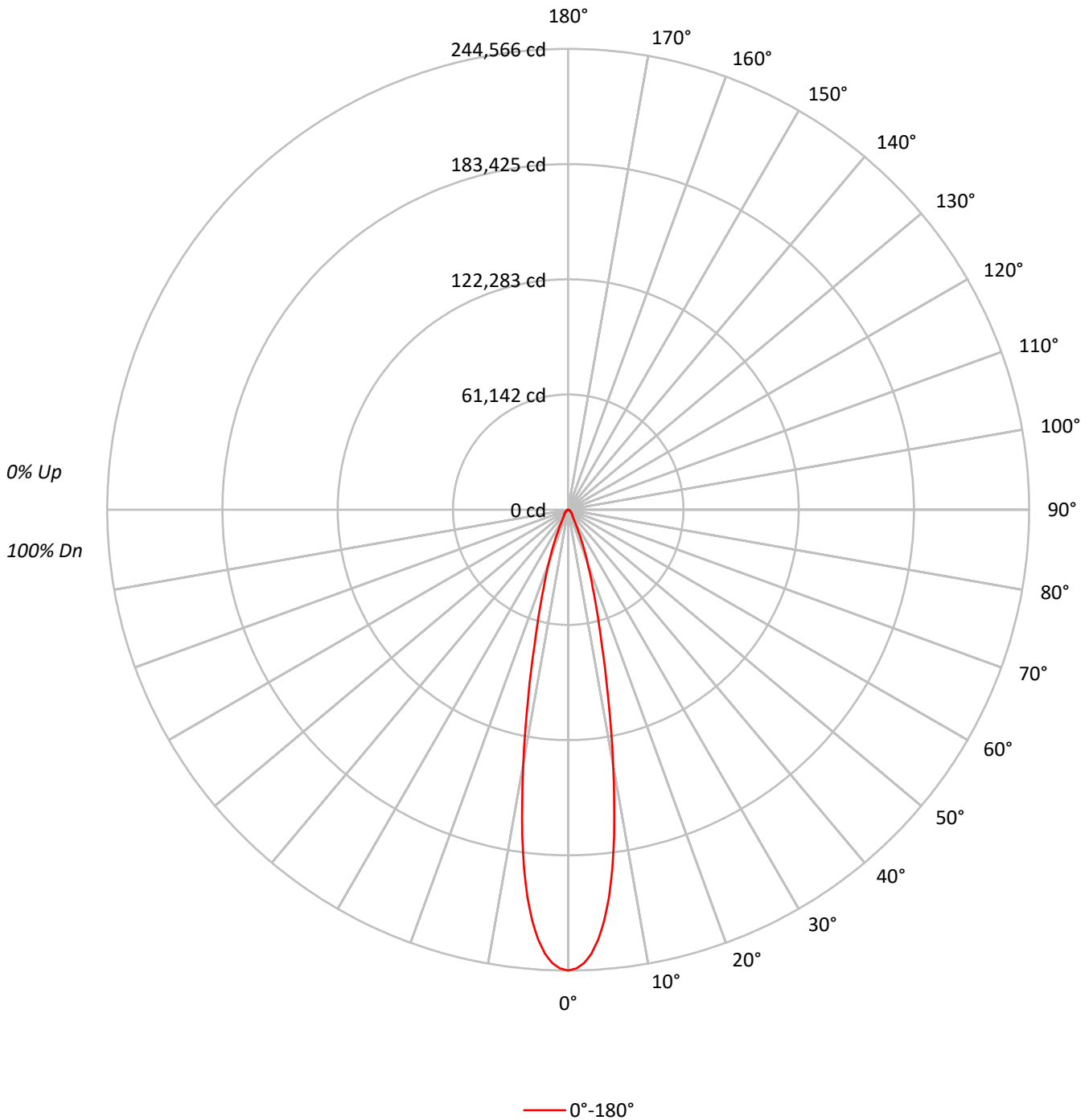
Lumens per Lamp: N/A
Luminaire Lumens: 50006.1 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.37
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 413.2
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	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	94	104	100	96	93	97	94	91		95	92	90		93	91	89	87
4	102	96	92	89	101	95	91	88	93	90	87		91	89	86		90	87	85	84
5	99	92	88	85	98	92	87	84	90	86	83		88	85	83		87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80		86	82	80		84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77		83	80	77		82	79	77	76
8	90	83	79	75	89	83	78	75	82	78	75		81	77	75		80	77	74	73
9	88	80	76	73	87	80	76	73	79	75	73		78	75	73		78	75	72	71
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2088584
5°	1878116
10°	1192585
15°	556360
20°	269379
25°	124381
30°	59817
35°	40930
40°	36265
45°	30954
50°	24313
55°	19802
60°	16277
65°	12670
70°	9913
75°	8612
80°	7475
85°	5193



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18227.8	36.5
10°-20°	18425.9	36.8
20°-30°	6604.8	13.2
30°-40°	2596.2	5.2
40°-50°	1964.1	3.9
50°-60°	1206.2	2.4
60°-70°	637.7	1.3
70°-80°	275.8	0.6
80°-90°	67.4	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°	43258.5	86.5
0°-40°	45854.8	91.7
0°-60°	49025.1	98.0
0°-90°	50006.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	50006.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	244566	
5°	219084	###
15°	62928	18426
25°	13200	6605
35°	3926	2596
45°	2563	1964
55°	1330	1206
65°	627	638
75°	261	276
85°	53	67
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	244566
1°	243568
2°	240759
3°	235885
4°	228778
5°	219084
6°	206812
7°	191889
8°	174811
9°	156139
10°	137526
11°	119079
12°	102312
13°	86957
14°	73882
15°	62928
17.5°	42944
20°	29641
22.5°	20005
25°	13200
27.5°	8734
30°	6066
32.5°	4609
35°	3926
37.5°	3536
40°	3253
42.5°	2940
45°	2563
47.5°	2180
50°	1830
52.5°	1548
55°	1330
57.5°	1141
60°	953
62.5°	781
65°	627
67.5°	501
70°	397
72.5°	322
75°	261
77.5°	189
80°	152
82.5°	97
85°	53
87.5°	22



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)