

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: G2-1810-991-52

Luminaire Tested: **G8-N-PC-300-6500**

Test Date: 11/06/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-52
Test Lab: INNOVATION CENTER(G2)
Test Date: 11/06/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-300-6500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3, 6500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

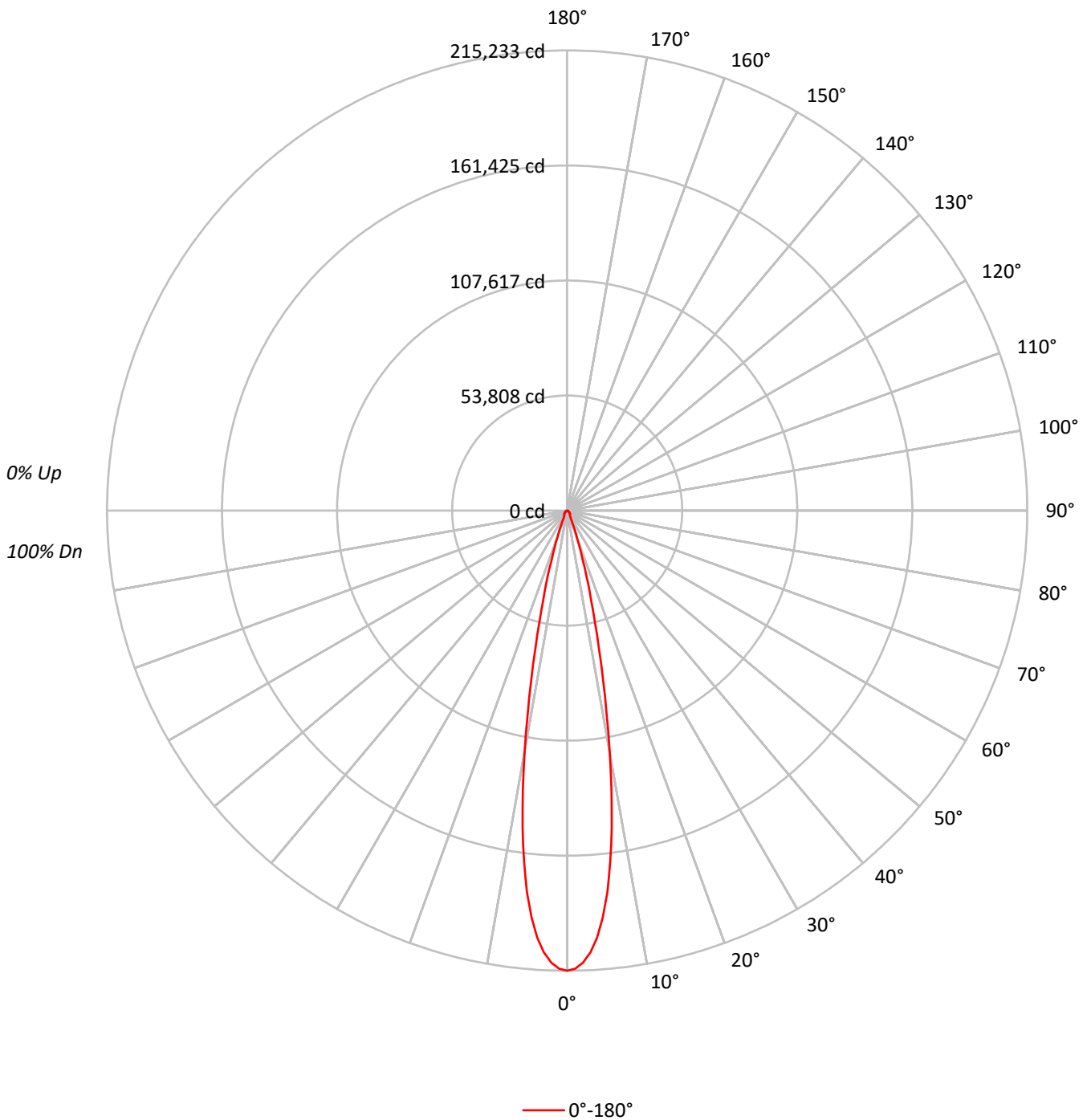
Lumens per Lamp: N/A
Luminaire Lumens: 35243.2 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.34
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 328.2
Input Voltage (V): NR
Input Current (Ain): 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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	89	88	86
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84	88	85	83	87	85	83	82
7	95	89	85	82	94	88	84	82	87	84	81	86	83	81	85	83	80	79
8	93	86	82	80	92	86	82	79	85	82	79	84	81	79	83	81	79	78
9	91	84	80	78	90	84	80	77	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	75	81	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1838082
5°	1637775
10°	992442
15°	378979
20°	120462
25°	40085
30°	26033
35°	24291
40°	23991
45°	20713
50°	15903
55°	12968
60°	10487
65°	8083
70°	6068
75°	5279
80°	4525
85°	2352



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15725.5	44.6
10°-20°	12881.1	36.5
20°-30°	2470.3	7.0
30°-40°	1472.7	4.2
40°-50°	1305.3	3.7
50°-60°	782.3	2.2
60°-70°	402.2	1.1
70°-80°	168.7	0.5
80°-90°	35.1	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°	31076.9	88.2
0°-40°	32549.6	92.4
0°-60°	34637.2	98.3
0°-90°	35243.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35243.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	215233	
5°	191048	###
15°	42865	12881
25°	4254	2470
35°	2330	1473
45°	1715	1305
55°	871	782
65°	400	402
75°	160	169
85°	24	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	215233
1°	214283
2°	211588
3°	206955
4°	200186
5°	191048
6°	179509
7°	165491
8°	149646
9°	132281
10°	114446
11°	96950
12°	80697
13°	66172
14°	53392
15°	42865
17.5°	24316
20°	13255
22.5°	7207
25°	4254
27.5°	3075
30°	2640
32.5°	2429
35°	2330
37.5°	2256
40°	2152
42.5°	1974
45°	1715
47.5°	1433
50°	1197
52.5°	1002
55°	871
57.5°	731
60°	614
62.5°	499
65°	400
67.5°	303
70°	243
72.5°	205
75°	160
77.5°	108
80°	92
82.5°	52
85°	24
87.5°	7



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)