

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: G2-1810-991-14

Luminaire Tested: **G8-N-PC-300-5600**

Test Date: 10/25/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-14
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/25/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-300-5600
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3, 5600K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

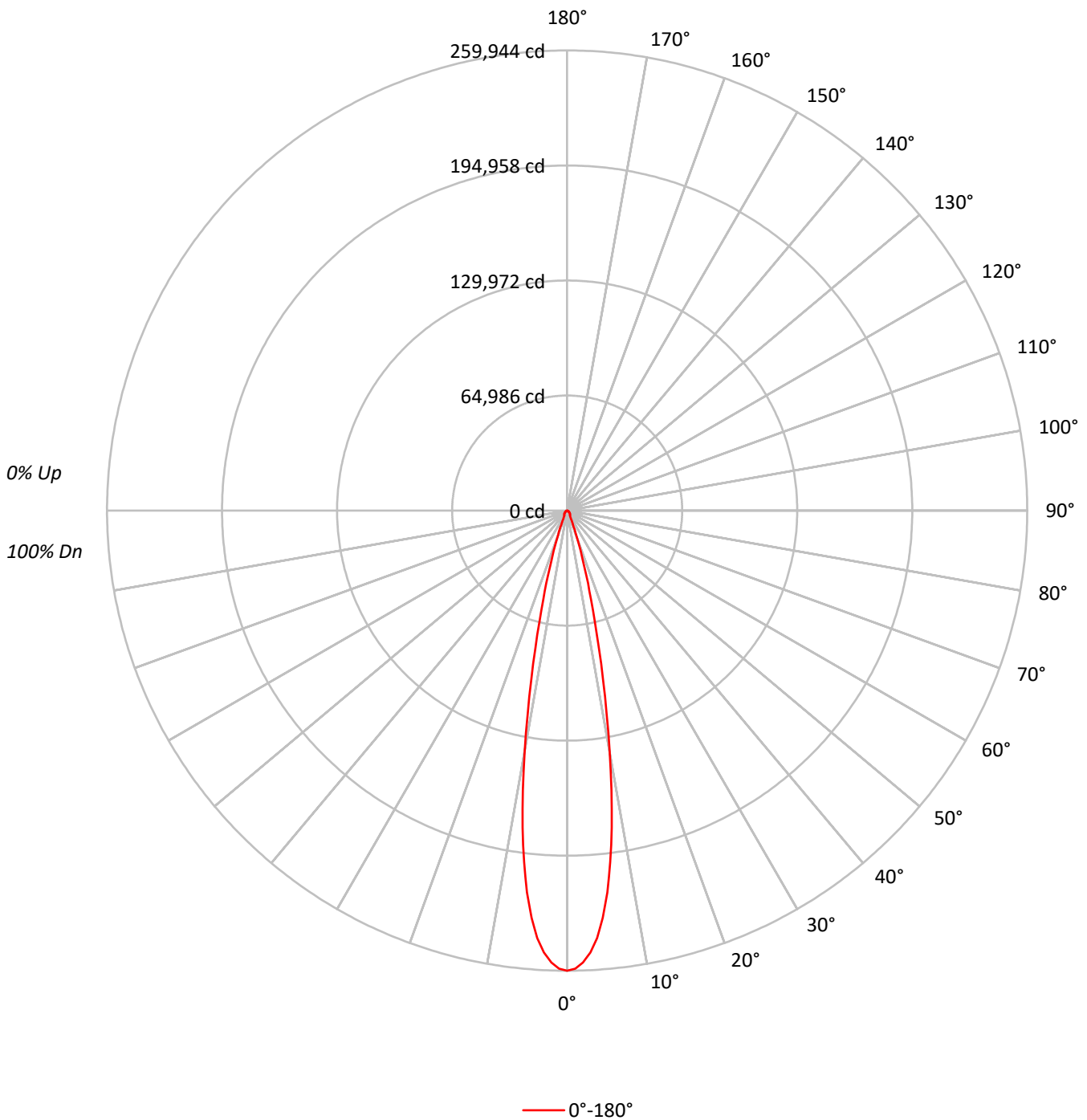
Lumens per Lamp: N/A
Luminaire Lumens: 42557.9 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.34
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 386.5
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	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	92
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	93	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	81
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	78	78
9	91	84	80	77	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°	2219912
5°	1979855
10°	1200459
15°	457657
20°	144245
25°	47792
30°	31092
35°	29170
40°	28885
45°	24903
50°	19025
55°	15767
60°	13015
65°	9982
70°	7740
75°	6632
80°	5311
85°	4311



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19007.6	44.7
10°-20°	15529.4	36.5
20°-30°	2952.2	6.9
30°-40°	1767.5	4.2
40°-50°	1571.9	3.7
50°-60°	951.4	2.2
60°-70°	507.1	1.2
70°-80°	214.5	0.5
80°-90°	56.3	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°	37489.2	88.1
0°-40°	39256.7	92.2
0°-60°	41780.0	98.2
0°-90°	42557.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	42557.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	259944	
5°	230952	###
15°	51764	15529
25°	5072	2952
35°	2798	1767
45°	2062	1572
55°	1059	951
65°	494	507
75°	201	214
85°	44	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	259944
1°	258803
2°	255484
3°	250017
4°	242080
5°	230952
6°	216904
7°	200001
8°	180792
9°	160050
10°	138434
11°	116914
12°	97507
13°	79711
14°	64517
15°	51764
17.5°	29166
20°	15872
22.5°	8628
25°	5072
27.5°	3662
30°	3153
32.5°	2927
35°	2798
37.5°	2698
40°	2591
42.5°	2385
45°	2062
47.5°	1727
50°	1432
52.5°	1214
55°	1059
57.5°	897
60°	762
62.5°	624
65°	494
67.5°	401
70°	310
72.5°	260
75°	201
77.5°	144
80°	108
82.5°	91
85°	44
87.5°	18



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)