

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: G2-1810-991-27

Luminaire Tested: **G8-N-PC-300-3000**

Test Date: 10/27/18

Test Information

Test Method: LM-79-08
Report Number: G2-1810-991-27
Test Lab: INNOVATION CENTER(G2)
Test Date: 10/27/18
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-N-PC-300-3000
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-N-PC-WHT-IP. BEAM SHAPE 3, 3000K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

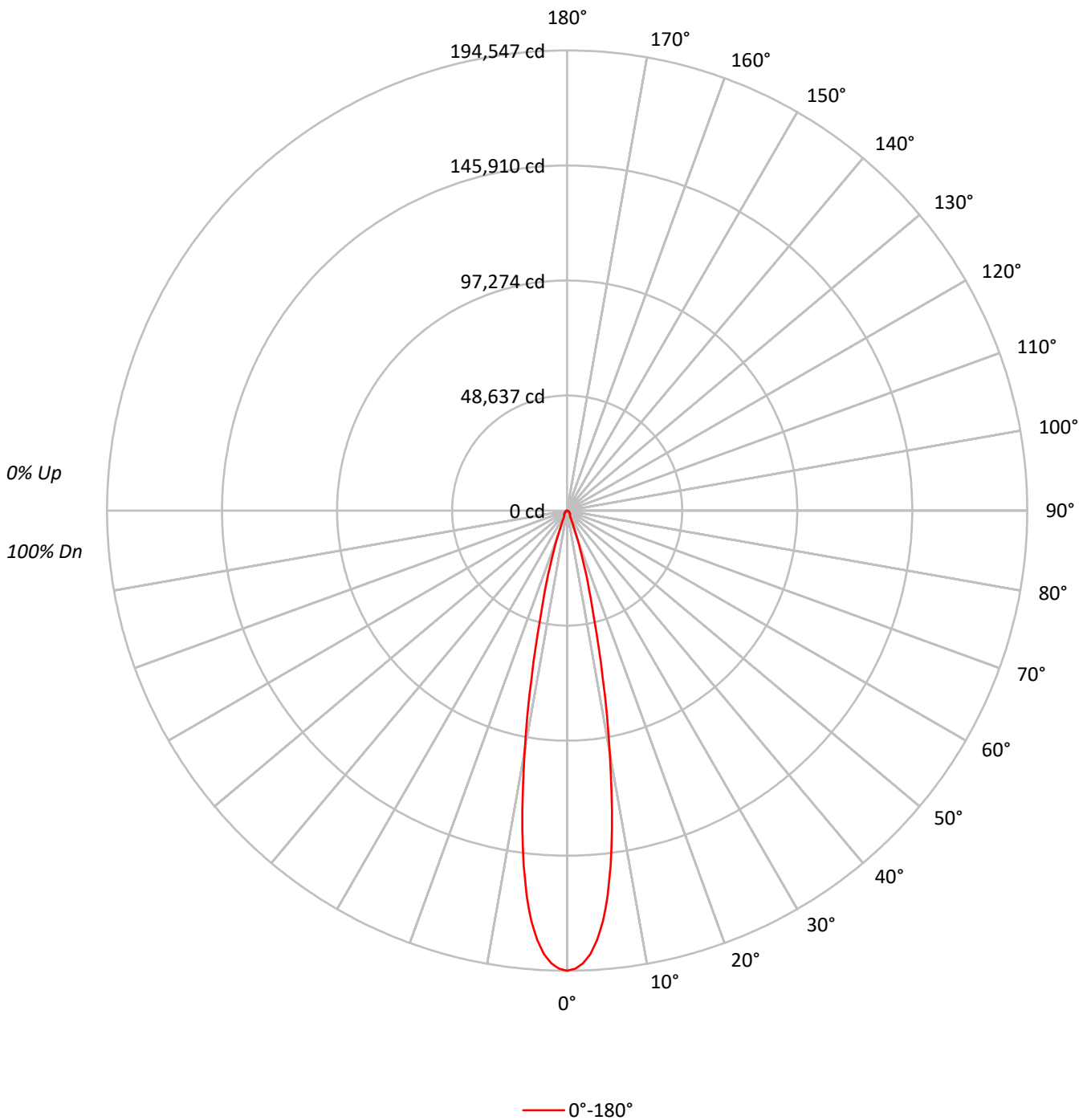
Lumens per Lamp: N/A
Luminaire Lumens: 31807.2 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.34
Luminous Opening: Rectangular (W 1.38' x L: 0.92' x H: 0')
CIE Type: Direct

Input Watts (W): 325.7
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	88	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	92	88	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	81	80
8	93	87	82	80	92	86	82	79	85	82	79	84	81	79	83	81	79	78
9	91	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1661424
5°	1492890
10°	896628
15°	338274
20°	106984
25°	35326
30°	23095
35°	21726
40°	21694
45°	18720
50°	14375
55°	11465
60°	9548
65°	7254
70°	5893
75°	4652
80°	3492
85°	2548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14295.7	44.9
10°-20°	11549.2	36.3
20°-30°	2190.1	6.9
30°-40°	1319.6	4.1
40°-50°	1183.5	3.7
50°-60°	709.4	2.2
60°-70°	372.7	1.2
70°-80°	152.4	0.5
80°-90°	34.7	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°	28035.0	88.1
0°-40°	29354.5	92.3
0°-60°	31247.5	98.2
0°-90°	31807.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31807.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	194547	
5°	174147	###
15°	38261	11549
25°	3749	2190
35°	2084	1320
45°	1550	1183
55°	770	709
65°	359	373
75°	141	152
85°	26	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

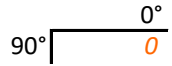
0°	
0°	194547
1°	193739
2°	191549
3°	187737
4°	181954
5°	174147
6°	163714
7°	150925
8°	136108
9°	120021
10°	103397
11°	87692
12°	72561
13°	59236
14°	47566
15°	38261
17.5°	21749
20°	11772
22.5°	6405
25°	3749
27.5°	2725
30°	2342
32.5°	2174
35°	2084
37.5°	2028
40°	1946
42.5°	1803
45°	1550
47.5°	1296
50°	1082
52.5°	917
55°	770
57.5°	675
60°	559
62.5°	469
65°	359
67.5°	285
70°	236
72.5°	175
75°	141
77.5°	109
80°	71
82.5°	58
85°	26
87.5°	8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)