

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: G2-1902-155-52

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

Test Date: 03/10/19

Test Information

Test Method: LM-79-08
Report Number: G2-1902-155-52
Test Lab: INNOVATION CENTER(G2)
Test Date: 03/10/19
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: G8-W-PC-300-6500
Description: EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 3, 6500K CCT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

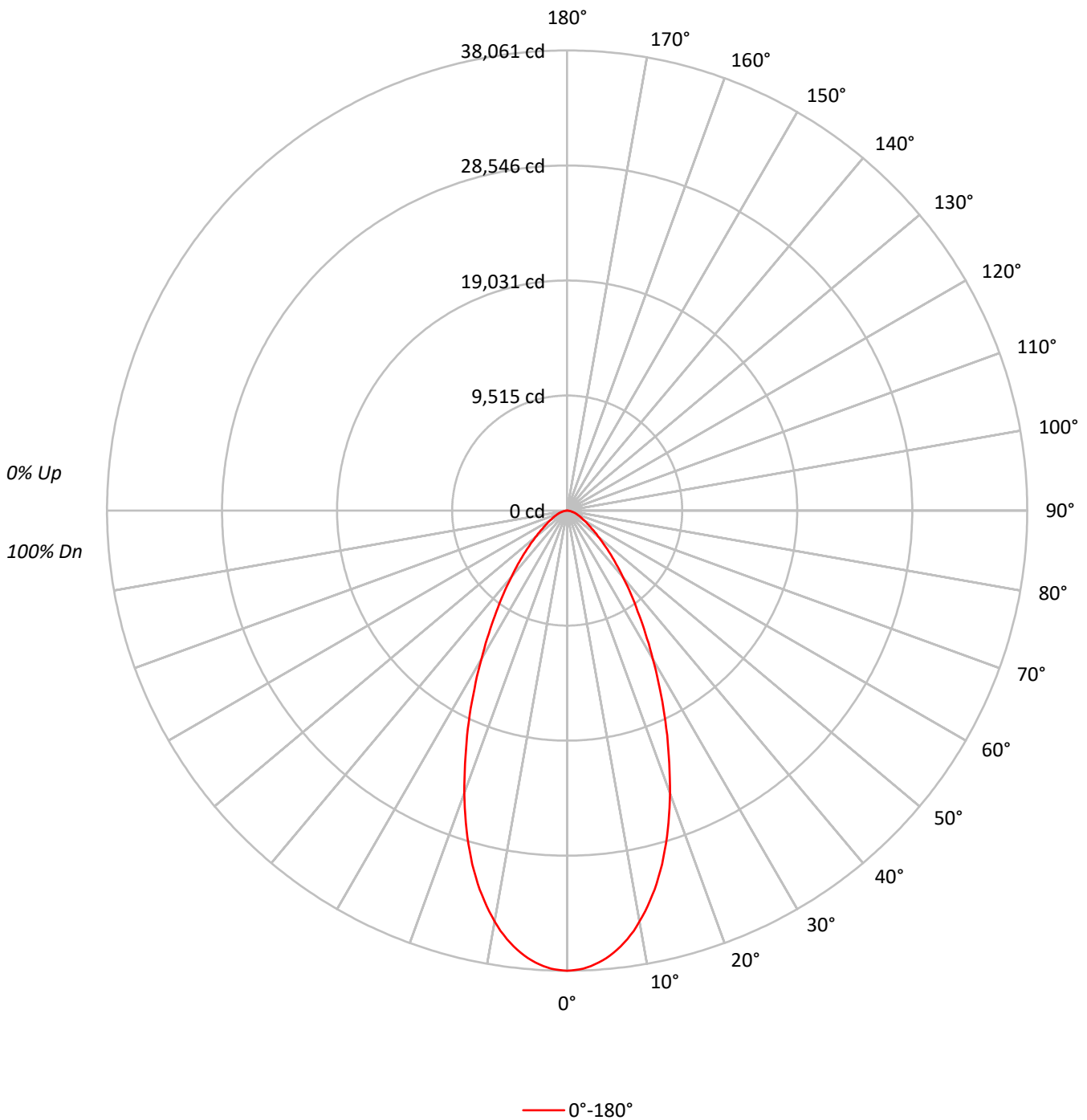
Lumens per Lamp: N/A
Luminaire Lumens: 34997.9 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.81
Luminous Opening: Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 327
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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	84	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	85	78	74	92	84	78	73	81	76	72		79	75	71		77	74	70	69
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72	68	65	63
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	79	68	62	57	77	68	61	57	66	61	56		65	60	56		64	59	56	54
8	75	64	57	53	73	63	57	53	62	57	52		61	56	52		60	55	52	50
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	340518
5°	333781
10°	313502
15°	280673
20°	236773
25°	189869
30°	146468
35°	111293
40°	84100
45°	63174
50°	47114
55°	36141
60°	28987
65°	24705
70°	21633
75°	18701
80°	14838
85°	9136



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3463.6	9.9
10°-20°	8381.7	23.9
20°-30°	8802.9	25.2
30°-40°	6436.7	18.4
40°-50°	3912.8	11.2
50°-60°	2127.5	6.1
60°-70°	1172.7	3.4
70°-80°	578.6	1.7
80°-90°	121.5	0.3
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°	20648.2	59.0
0°-40°	27084.9	77.4
0°-60°	33125.2	94.6
0°-90°	34997.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34997.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	38061	
5°	37166	###
15°	30303	8382
25°	19234	8803
35°	10190	6437
45°	4993	3913
55°	2317	2127
65°	1167	1173
75°	541	579
85°	89	122
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	38061
1°	38008
2°	37913
3°	37724
4°	37476
5°	37166
6°	36779
7°	36313
8°	35795
9°	35199
10°	34509
11°	33777
12°	32978
13°	32162
14°	31240
15°	30303
17.5°	27692
20°	24869
22.5°	21969
25°	19234
27.5°	16600
30°	14178
32.5°	12044
35°	10190
37.5°	8603
40°	7201
42.5°	6009
45°	4993
47.5°	4122
50°	3385
52.5°	2815
55°	2317
57.5°	1919
60°	1620
62.5°	1368
65°	1167
67.5°	987
70°	827
72.5°	686
75°	541
77.5°	411
80°	288
82.5°	185
85°	89
87.5°	29



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)