Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: G2-1902-155-49

Luminaire Tested: **G8-W-PC-400-6000**

Test Date: 03/10/19

Report Generated By E9812814 / USPTCWHP6070028

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Test Information

Test Method:	LM-79-08
Report Number:	G2-1902-155-49
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-400-6000
Description:	EPHESUS G8 LUMINAIRE. UNIT TESTED EPH-G8-HV-W-PC-WHT-IP. BEAM SHAPE 4, 6000K CCT
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	48940.8 lumens
Efficiency:	N/A
Efficacy:	115.2 lumens/watt
Spacing Criteria (0/90/45):	0.84 / 0.84 / 0.89
Luminous Opening:	Rectangular (W 0.88' x L: 1.38' x H: 0')
CIE Type:	Direct

Input Watts (W):	424.9
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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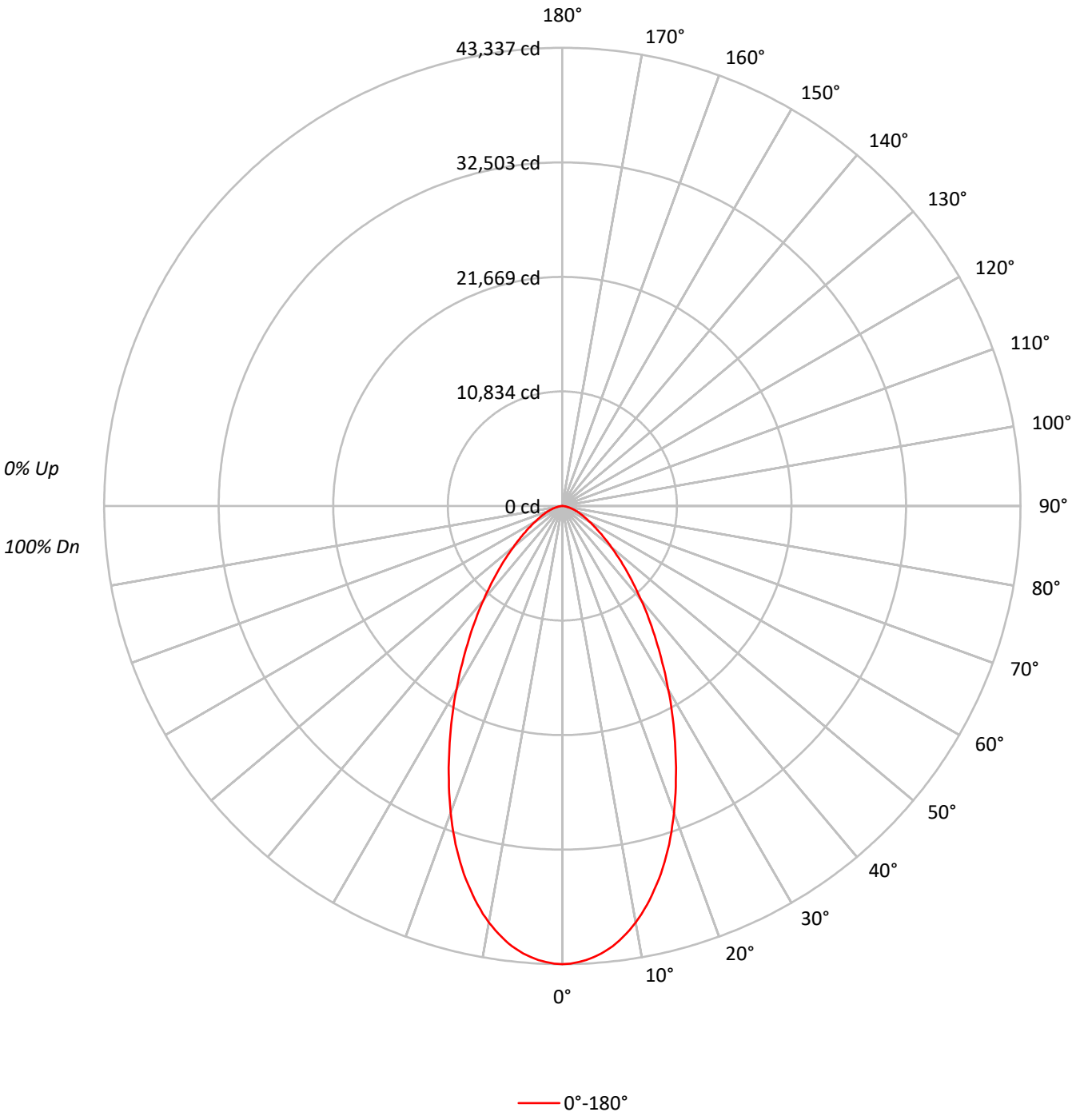
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	92	82	76	71	90	81	75	70	79	73	69	77	72	68	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	62	60
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	56	55
7	76	65	58	53	75	64	58	53	63	57	53	62	56	52	61	56	52	50
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	46
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	387720
5°	381523
10°	363322
15°	333422
20°	294002
25°	249660
30°	206903
35°	168262
40°	135278
45°	107002
50°	83928
55°	66323
60°	53322
65°	43969
70°	36962
75°	30315
80°	23133
85°	13858

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3975.9	8.1
10°-20°	10012.9	20.5
20°-30°	11590.7	23.7
30°-40°	9670.9	19.8
40°-50°	6591.1	13.5
50°-60°	3871.3	7.9
60°-70°	2098.1	4.3
70°-80°	945.2	1.9
80°-90°	184.7	0.4
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°	25579.5	52.3
0°-40°	35250.4	72.0
0°-60°	45712.8	93.4
0°-90°	48940.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	48940.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	43337	
5°	42482	###
15°	35998	10013
25°	25291	11591
35°	15406	9671
45°	8457	6591
55°	4252	3871
65°	2077	2098
75°	877	945
85°	135	185
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	43337
1°	43295
2°	43174
3°	43010
4°	42775
5°	42482
6°	42117
7°	41694
8°	41185
9°	40609
10°	39993
11°	39312
12°	38543
13°	37737
14°	36881
15°	35998
17.5°	33578
20°	30880
22.5°	28063
25°	25291
27.5°	22628
30°	20028
32.5°	17601
35°	15406
37.5°	13422
40°	11583
42.5°	9921
45°	8457
47.5°	7161
50°	6030
52.5°	5072
55°	4252
57.5°	3548
60°	2980
62.5°	2492
65°	2077
67.5°	1729
70°	1413
72.5°	1136
75°	877
77.5°	644
80°	449
82.5°	281
85°	135
87.5°	39

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CANDELA DISTRIBUTION (continued):

	0°
90°	*0*

(END OF REPORT)