

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: PORTFOLIO

Report Number: P839371

Luminaire Tested: **LD4C70D010 EU4709027 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C70D010 EU4709027 4LBPSMW
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

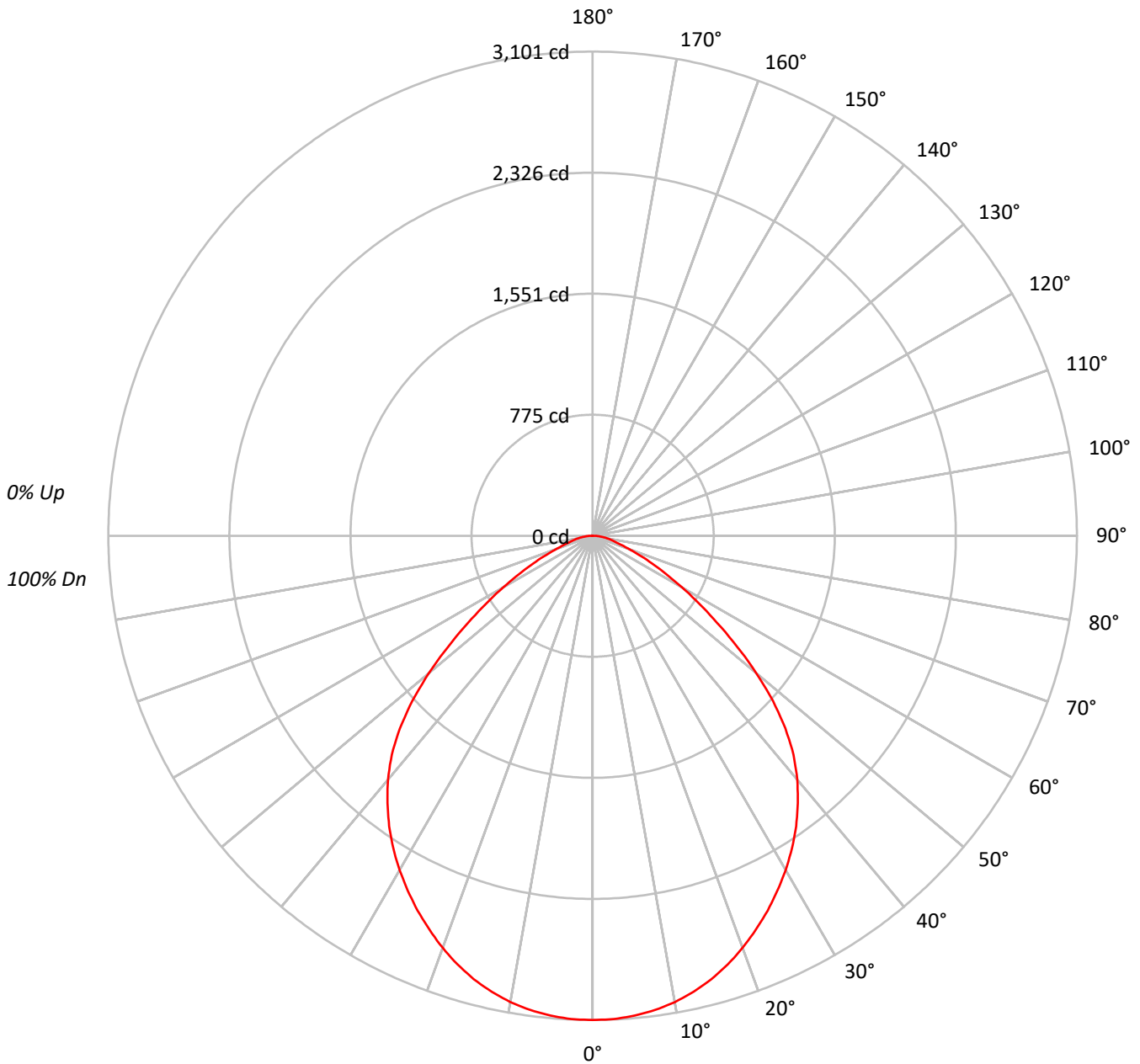
Lumens per Lamp: N/A
Luminaire Lumens: 6613.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V):
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	381018
5°	380401
10°	378325
15°	373956
20°	367164
25°	359218
30°	350661
35°	340656
40°	326938
45°	303282
50°	261269
55°	208427
60°	162265
65°	121453
70°	88148
75°	69871
80°	65442
85°	65264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.8	4.4
10°-20°	828.0	12.5
20°-30°	1220.2	18.5
30°-40°	1417.5	21.4
40°-50°	1332.4	20.1
50°-60°	882.0	13.3
60°-70°	425.0	6.4
70°-80°	163.9	2.5
80°-90°	51.1	0.8
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°	2341.1	35.4
0°-40°	3758.6	56.8
0°-60°	5973.0	90.3
0°-90°	6613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6613.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3101	
5°	3085	293
15°	2940	828
25°	2650	1220
35°	2271	1417
45°	1746	1332
55°	973	882
65°	418	425
75°	147	164
85°	46	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3101.4
2.5°	3098.6
5°	3084.6
7.5°	3063.6
10°	3032.7
12.5°	2990.7
15°	2940.2
17.5°	2878.5
20°	2808.4
22.5°	2731.3
25°	2650.0
27.5°	2563.0
30°	2471.9
32.5°	2375.1
35°	2271.4
37.5°	2157.8
40°	2038.6
42.5°	1904.0
45°	1745.6
47.5°	1566.1
50°	1367.0
52.5°	1165.1
55°	973.1
57.5°	807.6
60°	660.4
62.5°	528.6
65°	417.8
67.5°	323.9
70°	245.4
72.5°	186.5
75°	147.2
77.5°	119.2
80°	92.5
82.5°	68.7
85°	46.3
87.5°	26.6
90°	0.0



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— 0°-180°







(END OF REPORT)