

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: P839678

Luminaire Tested: **LDS4C100D010 EU41009040 4LBPSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C100D010 EU41009040 4LBPSMB
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

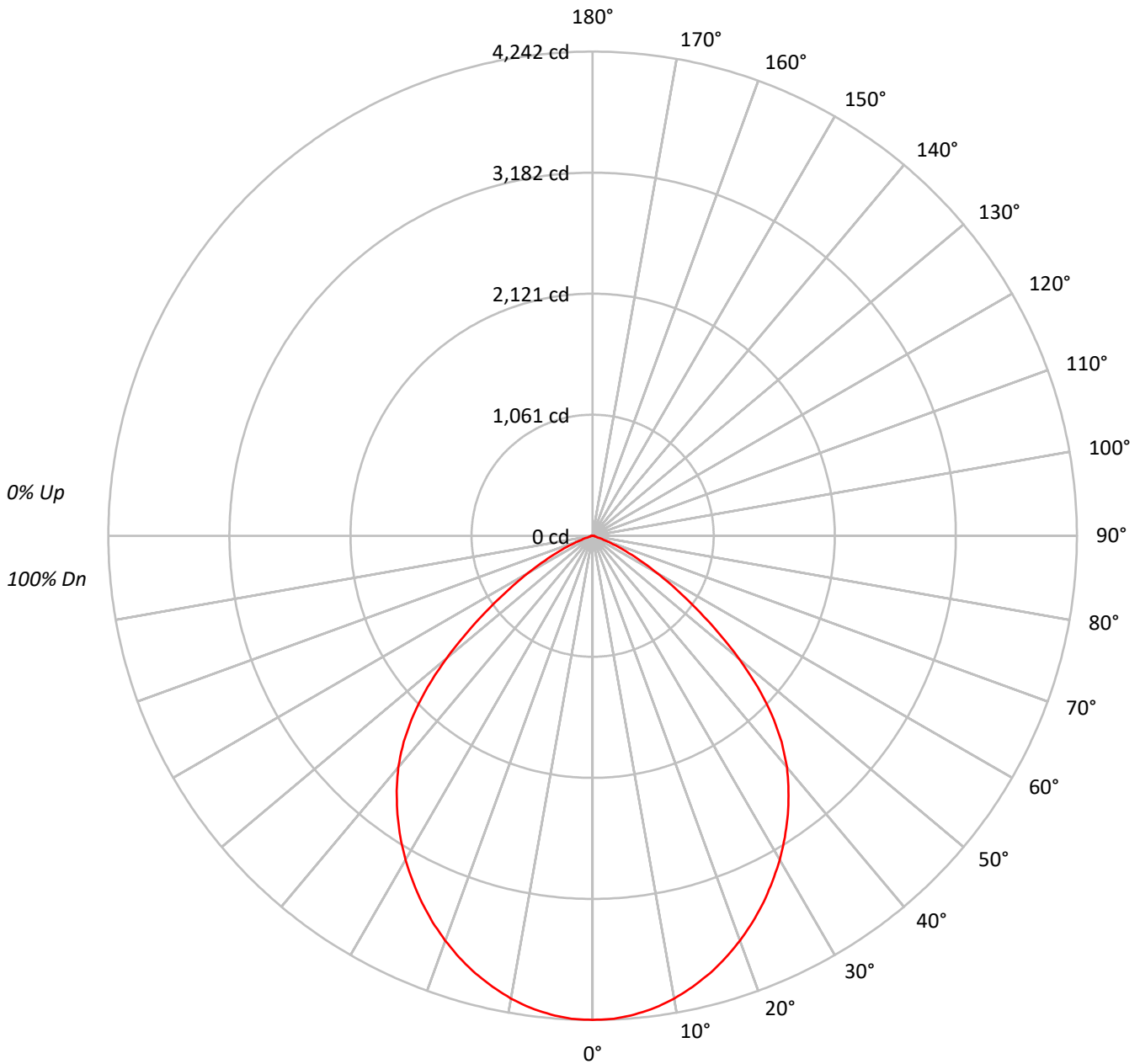
Lumens per Lamp: N/A
Luminaire Lumens: 8078.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	521095
5°	519312
10°	513615
15°	504768
20°	493457
25°	480267
30°	465141
35°	447230
40°	424670
45°	386105
50°	318760
55°	234729
60°	159316
65°	93284
70°	36854
75°	8307
80°	10825
85°	18466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.0	4.9
10°-20°	1117.5	13.8
20°-30°	1630.0	20.2
30°-40°	1860.6	23.0
40°-50°	1691.5	20.9
50°-60°	997.6	12.3
60°-70°	334.6	4.1
70°-80°	35.0	0.4
80°-90°	12.2	0.2
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°	3146.5	39.0
0°-40°	5007.2	62.0
0°-60°	7696.3	95.3
0°-90°	8078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8078.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4242	
5°	4211	399
15°	3969	1118
25°	3543	1630
35°	2982	1861
45°	2222	1691
55°	1096	998
65°	321	335
75°	18	35
85°	13	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4241.6
2.5°	4235.1
5°	4211.0
7.5°	4171.8
10°	4117.2
12.5°	4047.3
15°	3968.7
17.5°	3877.0
20°	3774.4
22.5°	3663.1
25°	3543.0
27.5°	3412.1
30°	3278.9
32.5°	3132.6
35°	2982.0
37.5°	2818.3
40°	2648.0
42.5°	2449.3
45°	2222.3
47.5°	1960.4
50°	1667.8
52.5°	1375.3
55°	1095.9
57.5°	857.9
60°	648.4
62.5°	469.3
65°	320.9
67.5°	196.5
70°	102.6
72.5°	39.3
75°	17.5
77.5°	17.5
80°	15.3
82.5°	13.1
85°	13.1
87.5°	10.9
90°	0.0



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— 0°-180°







(END OF REPORT)