

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: P839846

Luminaire Tested: **LDS4C25D010 EU4259027 4LBCSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839846
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: LDS4C25D010 EU4259027 4LBCSMB
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBCS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

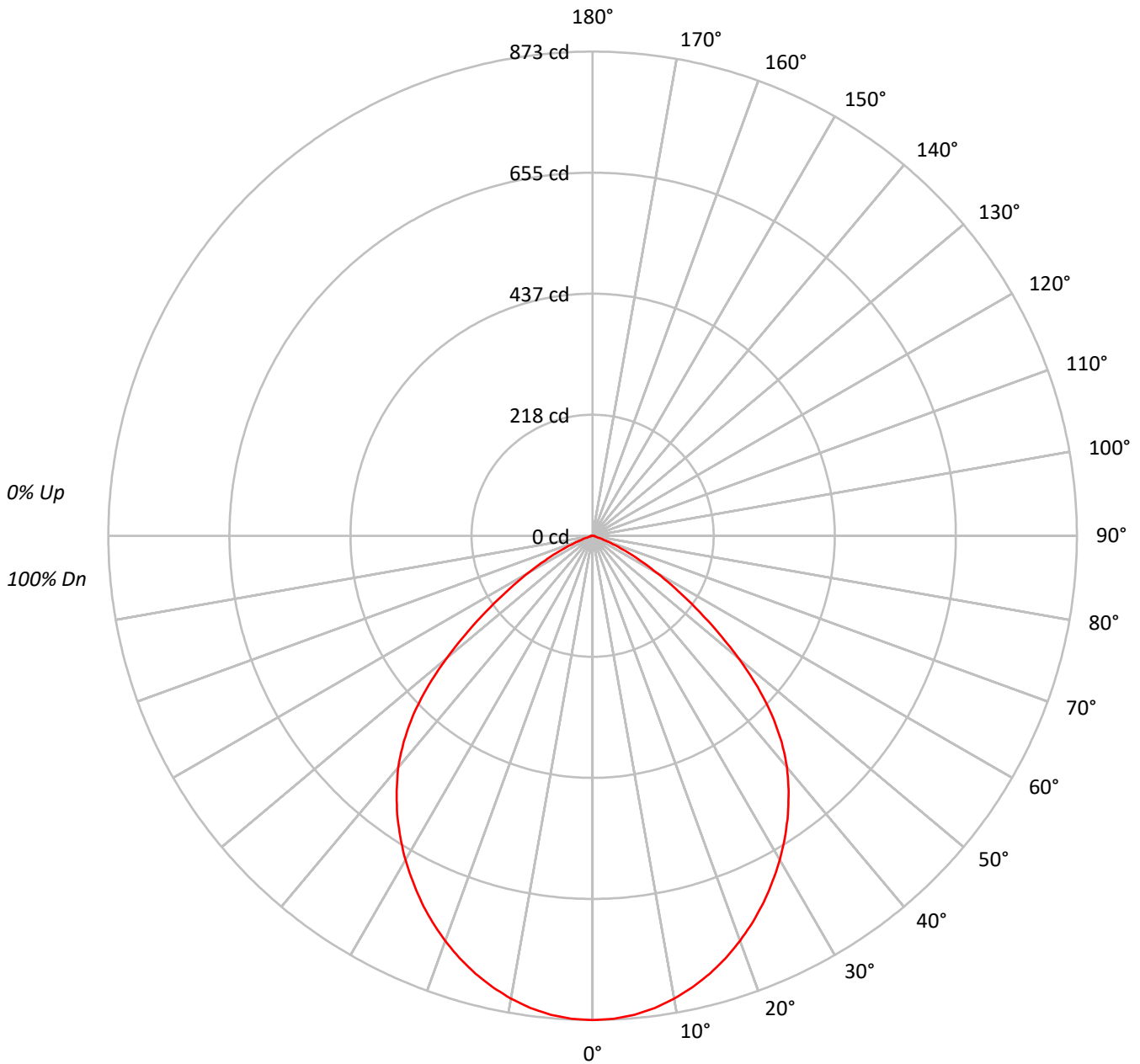
Lumens per Lamp: N/A
Luminaire Lumens: 1662.9 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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									
RC	80									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	66	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°	107276
5°	106908
10°	105737
15°	103912
20°	101583
25°	98873
30°	95755
35°	92071
40°	87420
45°	79487
50°	65633
55°	48321
60°	32802
65°	19215
70°	7579
75°	1709
80°	2193
85°	3806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	4.9
10°-20°	230.1	13.8
20°-30°	335.6	20.2
30°-40°	383.0	23.0
40°-50°	348.2	20.9
50°-60°	205.4	12.4
60°-70°	68.9	4.1
70°-80°	7.2	0.4
80°-90°	2.5	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°	647.8	39.0
0°-40°	1030.8	62.0
0°-60°	1584.4	95.3
0°-90°	1662.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1662.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	873	
5°	867	82
15°	817	230
25°	729	336
35°	614	383
45°	458	348
55°	226	205
65°	66	69
75°	4	7
85°	3	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	873.2
2.5°	871.9
5°	866.9
7.5°	858.8
10°	847.6
12.5°	833.2
15°	817.0
17.5°	798.2
20°	777.0
22.5°	754.1
25°	729.4
27.5°	702.4
30°	675.0
32.5°	644.9
35°	613.9
37.5°	580.2
40°	545.1
42.5°	504.2
45°	457.5
47.5°	403.6
50°	343.4
52.5°	283.1
55°	225.6
57.5°	176.6
60°	133.5
62.5°	96.6
65°	66.1
67.5°	40.4
70°	21.1
72.5°	8.1
75°	3.6
77.5°	3.6
80°	3.1
82.5°	2.7
85°	2.7
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)