

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: P839847

Luminaire Tested: **LDS4C25D010 EU4259027 4LBCSMMS**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839847
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 4LBCSMMS
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

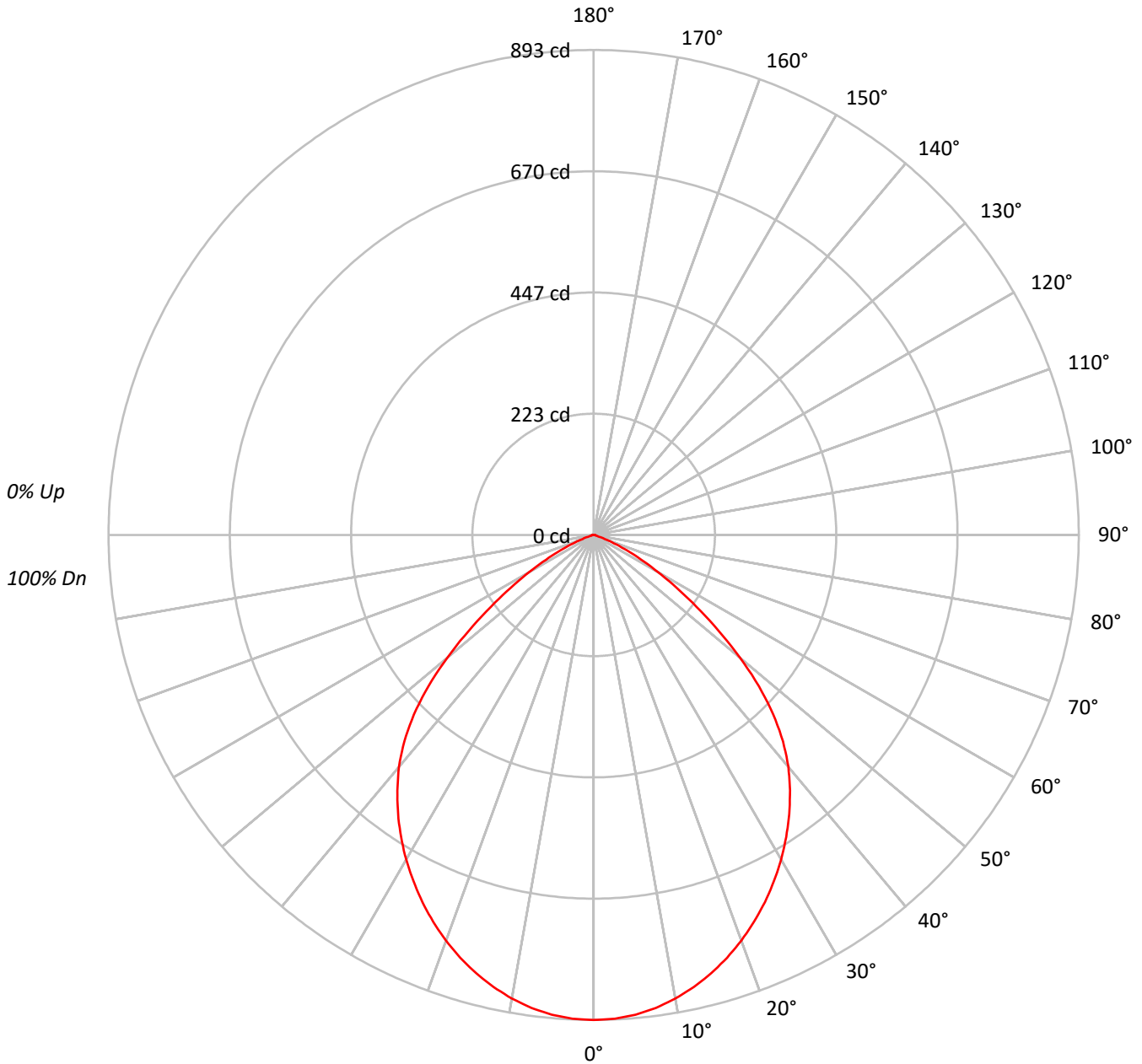
Lumens per Lamp: N/A
Luminaire Lumens: 1701.1 lumens
Efficiency: N/A
Efficacy: 54.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	109733
5°	109350
10°	108157
15°	106290
20°	103911
25°	101137
30°	97939
35°	94170
40°	89424
45°	81311
50°	67123
55°	49435
60°	33539
65°	19651
70°	7759
75°	1756
80°	2264
85°	3947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	4.9
10°-20°	235.3	13.8
20°-30°	343.2	20.2
30°-40°	391.8	23.0
40°-50°	356.2	20.9
50°-60°	210.1	12.4
60°-70°	70.5	4.1
70°-80°	7.4	0.4
80°-90°	2.6	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°	662.6	39.0
0°-40°	1054.4	62.0
0°-60°	1620.7	95.3
0°-90°	1701.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1701.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	893	
5°	887	84
15°	836	235
25°	746	343
35°	628	392
45°	468	356
55°	231	210
65°	68	70
75°	4	7
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	893.2
2.5°	891.8
5°	886.7
7.5°	878.5
10°	867.0
12.5°	852.3
15°	835.7
17.5°	816.4
20°	794.8
22.5°	771.3
25°	746.1
27.5°	718.5
30°	690.4
32.5°	659.6
35°	627.9
37.5°	593.5
40°	557.6
42.5°	515.8
45°	468.0
47.5°	412.8
50°	351.2
52.5°	289.6
55°	230.8
57.5°	180.7
60°	136.5
62.5°	98.8
65°	67.6
67.5°	41.4
70°	21.6
72.5°	8.3
75°	3.7
77.5°	3.7
80°	3.2
82.5°	2.8
85°	2.8
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)