

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: P840347

Luminaire Tested: **LDS4C25D010 EU4259050 4LPSSQMMS**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P840347
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 EU4259050 4LBPSSQMMS
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

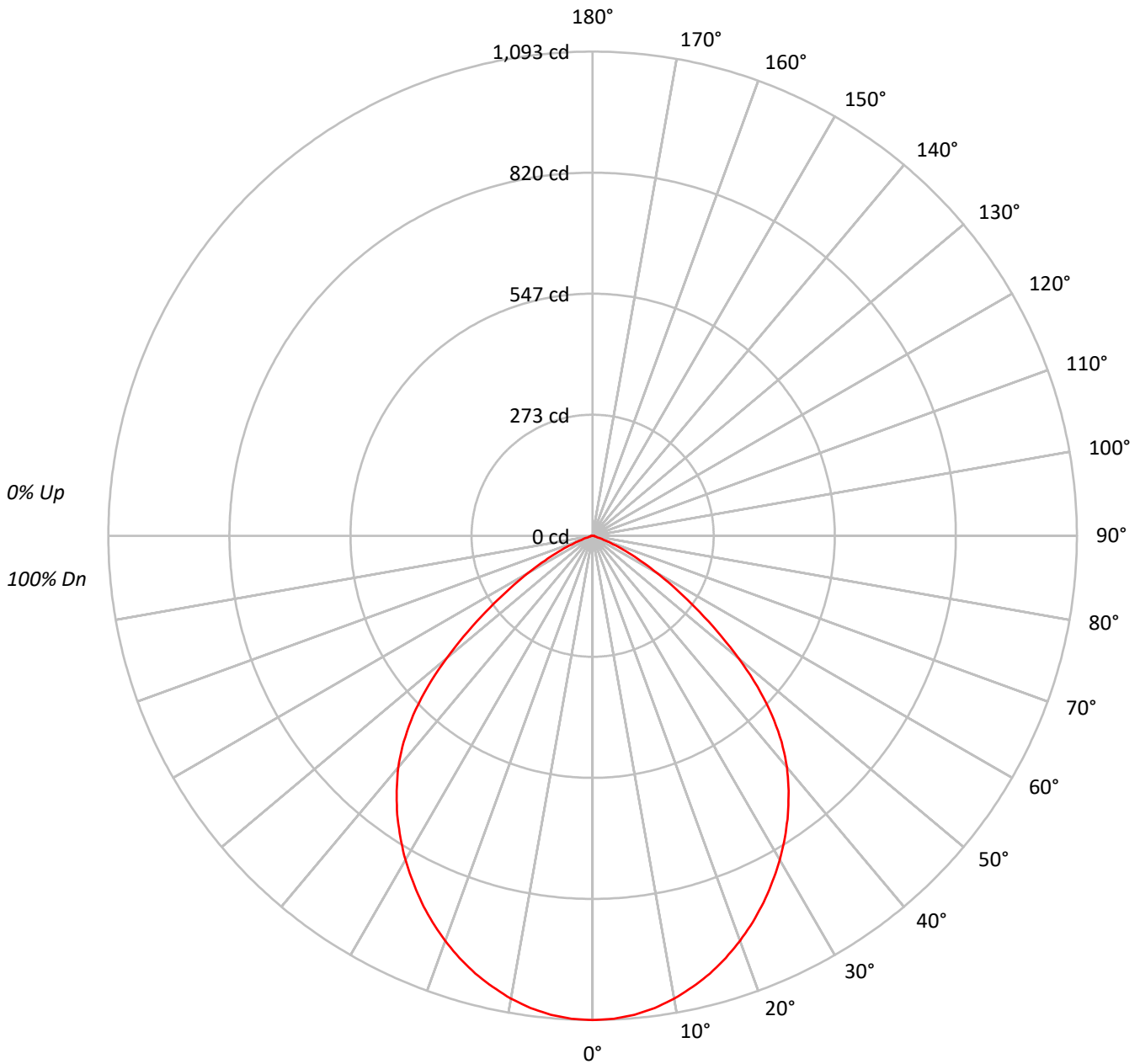
Lumens per Lamp: N/A
Luminaire Lumens: 2082.0 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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°	105482
5°	105119
10°	103964
15°	102180
20°	99888
25°	97223
30°	94157
35°	90534
40°	85966
45°	78162
50°	64532
55°	47506
60°	32247
65°	18881
70°	7448
75°	1678
80°	2167
85°	3764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	4.9
10°-20°	288.0	13.8
20°-30°	420.1	20.2
30°-40°	479.6	23.0
40°-50°	436.0	20.9
50°-60°	257.1	12.3
60°-70°	86.2	4.1
70°-80°	9.0	0.4
80°-90°	3.1	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°	811.0	39.0
0°-40°	1290.5	62.0
0°-60°	1983.6	95.3
0°-90°	2082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1093	
5°	1085	103
15°	1023	288
25°	913	420
35°	769	480
45°	573	436
55°	282	257
65°	83	86
75°	4	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1093.2
2.5°	1091.5
5°	1085.3
7.5°	1075.2
10°	1061.1
12.5°	1043.1
15°	1022.9
17.5°	999.3
20°	972.8
22.5°	944.1
25°	913.2
27.5°	879.4
30°	845.1
32.5°	807.4
35°	768.6
37.5°	726.4
40°	682.5
42.5°	631.3
45°	572.8
47.5°	505.3
50°	429.9
52.5°	354.5
55°	282.4
57.5°	221.1
60°	167.1
62.5°	121.0
65°	82.7
67.5°	50.6
70°	26.4
72.5°	10.1
75°	4.5
77.5°	4.5
80°	3.9
82.5°	3.4
85°	3.4
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)