

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: P839891

Luminaire Tested: **LDS4C25D010 EU4259050 4LBSGPH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839891
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 4LBSGPH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

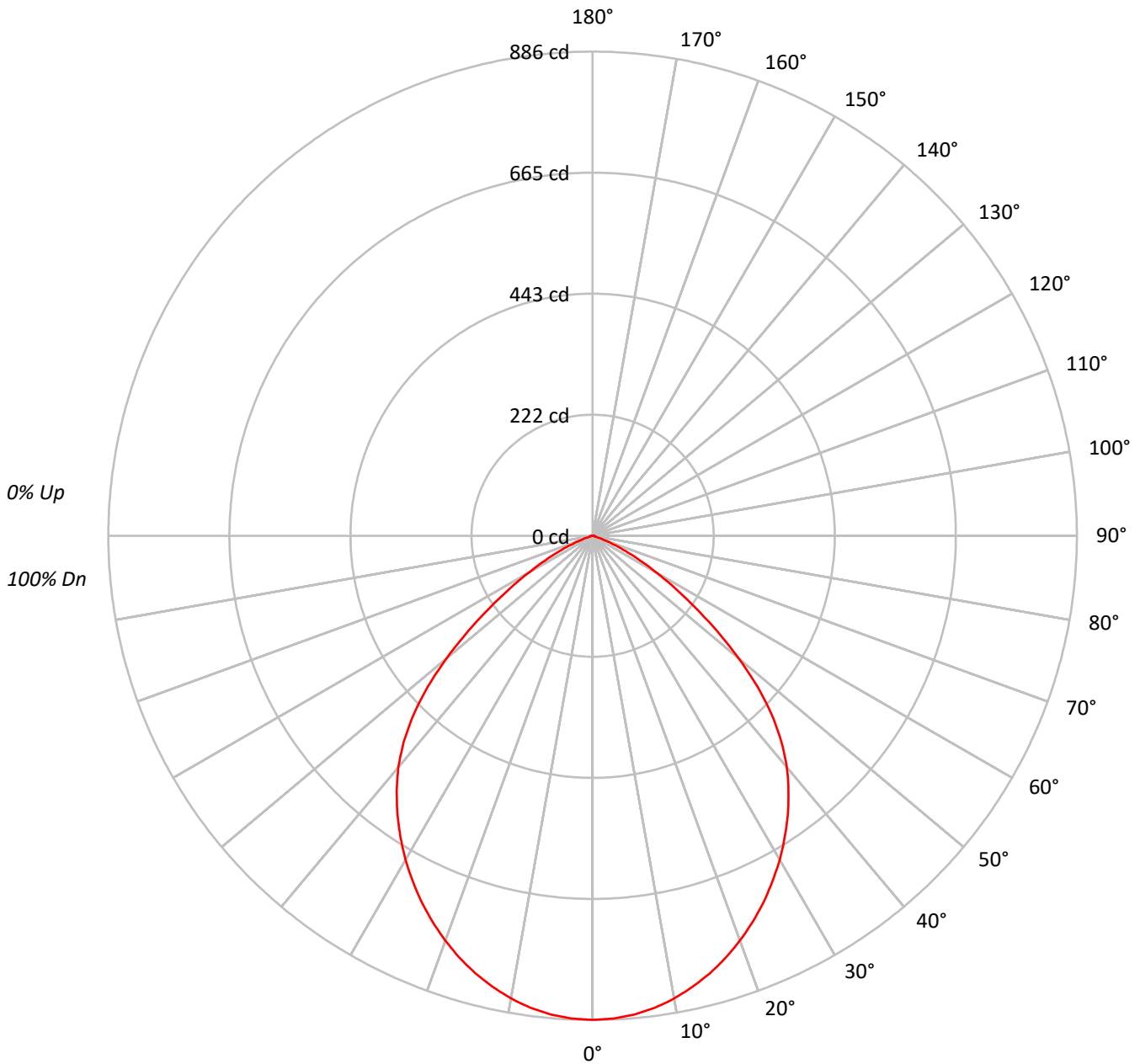
Lumens per Lamp: N/A
Luminaire Lumens: 1687.0 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P839891

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBSGPH

Luminous Intensity Polar Plot





TEST NUMBER: P839891

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBSGPH

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	66	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°	108824
5°	108450
10°	107259
15°	105413
20°	103061
25°	100296
30°	97145
35°	93405
40°	88687
45°	80633
50°	66569
55°	49028
60°	33269
65°	19477
70°	7687
75°	1709
80°	2264
85°	3806



TEST NUMBER: P839891

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBSGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	4.9
10°-20°	233.4	13.8
20°-30°	340.4	20.2
30°-40°	388.6	23.0
40°-50°	353.2	20.9
50°-60°	208.4	12.4
60°-70°	69.9	4.1
70°-80°	7.3	0.4
80°-90°	2.5	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°	657.1	39.0
0°-40°	1045.7	62.0
0°-60°	1607.3	95.3
0°-90°	1687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1687.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	886	
5°	879	83
15°	829	233
25°	740	340
35°	623	389
45°	464	353
55°	229	208
65°	67	70
75°	4	7
85°	3	3
90°	0	



TEST NUMBER: P839891

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBSGPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	885.8
2.5°	884.4
5°	879.4
7.5°	871.2
10°	859.8
12.5°	845.2
15°	828.8
17.5°	809.7
20°	788.3
22.5°	765.0
25°	739.9
27.5°	712.6
30°	684.8
32.5°	654.2
35°	622.8
37.5°	588.6
40°	553.0
42.5°	511.5
45°	464.1
47.5°	409.4
50°	348.3
52.5°	287.2
55°	228.9
57.5°	179.2
60°	135.4
62.5°	98.0
65°	67.0
67.5°	41.0
70°	21.4
72.5°	8.2
75°	3.6
77.5°	3.6
80°	3.2
82.5°	2.7
85°	2.7
87.5°	2.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)