

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: P839887

Luminaire Tested: **LDS4C25D010 EU4259050 4LBCSMMS**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839887
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 4LBCSMMS
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBCS TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Summary

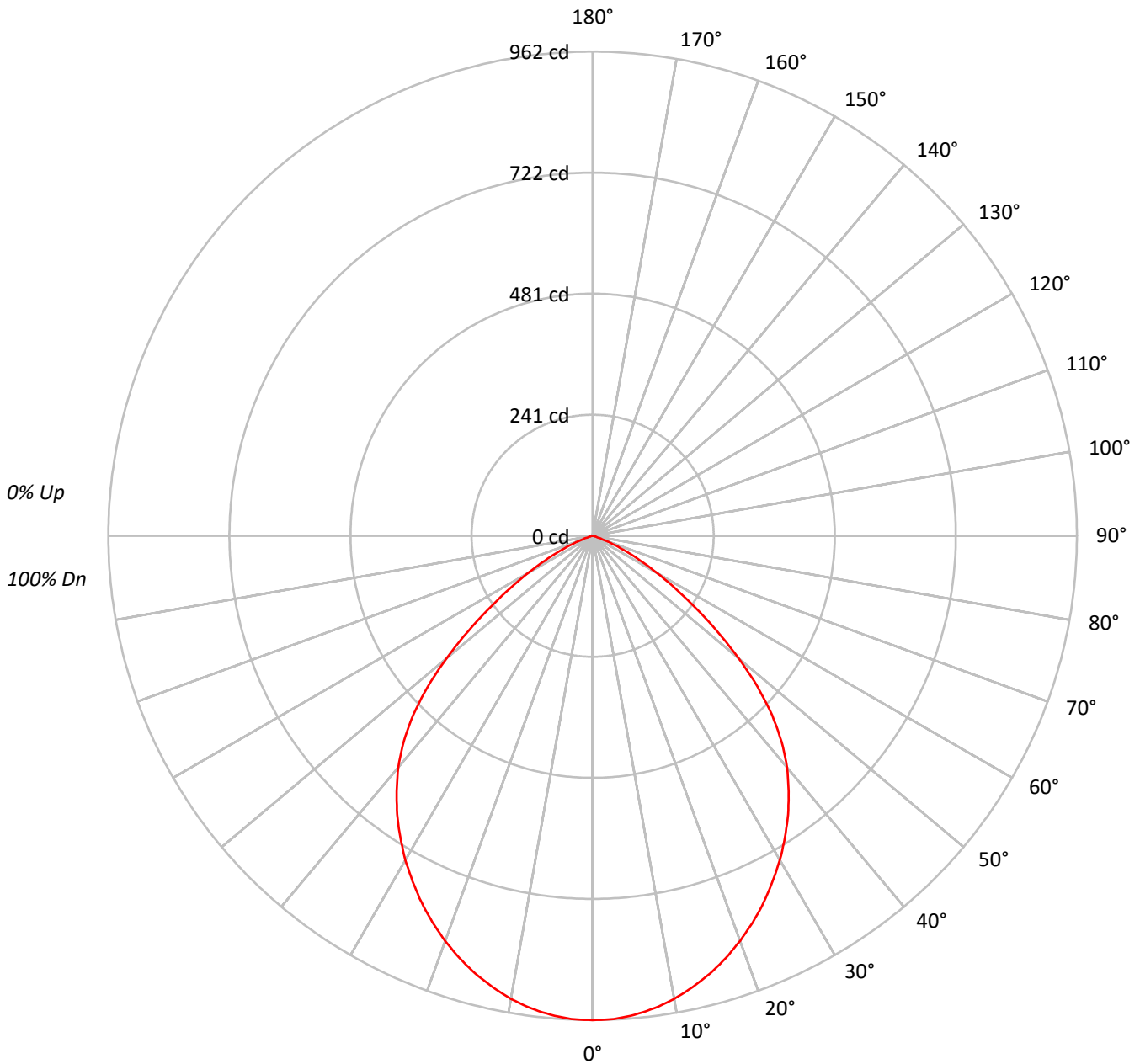
Lumens per Lamp: N/A
Luminaire Lumens: 1833.1 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P839887

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBCSMMS

Luminous Intensity Polar Plot





TEST NUMBER: P839887

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBCSMMS

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°	118246
5°	117835
10°	116540
15°	114545
20°	111977
25°	108985
30°	105543
35°	101489
40°	96369
45°	87618
50°	72341
55°	53269
60°	36143
65°	21163
70°	8369
75°	1899
80°	2476
85°	4229



TEST NUMBER: P839887

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBCSMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	4.9
10°-20°	253.6	13.8
20°-30°	369.9	20.2
30°-40°	422.2	23.0
40°-50°	383.8	20.9
50°-60°	226.4	12.4
60°-70°	75.9	4.1
70°-80°	8.0	0.4
80°-90°	2.8	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°	714.0	39.0
0°-40°	1136.2	62.0
0°-60°	1746.4	95.3
0°-90°	1833.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1833.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	962	
5°	956	91
15°	901	254
25°	804	370
35°	677	422
45°	504	384
55°	249	226
65°	73	76
75°	4	8
85°	3	3
90°	0	



TEST NUMBER: P839887

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBCSMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	962.5
2.5°	961.0
5°	955.5
7.5°	946.6
10°	934.2
12.5°	918.4
15°	900.6
17.5°	879.8
20°	856.5
22.5°	831.2
25°	804.0
27.5°	774.2
30°	744.0
32.5°	710.8
35°	676.7
37.5°	639.5
40°	600.9
42.5°	555.8
45°	504.3
47.5°	444.8
50°	378.5
52.5°	312.1
55°	248.7
57.5°	194.7
60°	147.1
62.5°	106.5
65°	72.8
67.5°	44.6
70°	23.3
72.5°	8.9
75°	4.0
77.5°	4.0
80°	3.5
82.5°	3.0
85°	3.0
87.5°	2.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)