

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: P839868

Luminaire Tested: **LDS4C25D010 EU4259035 4LBPSMB**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839868
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 EU4259035 4LBPSMB
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

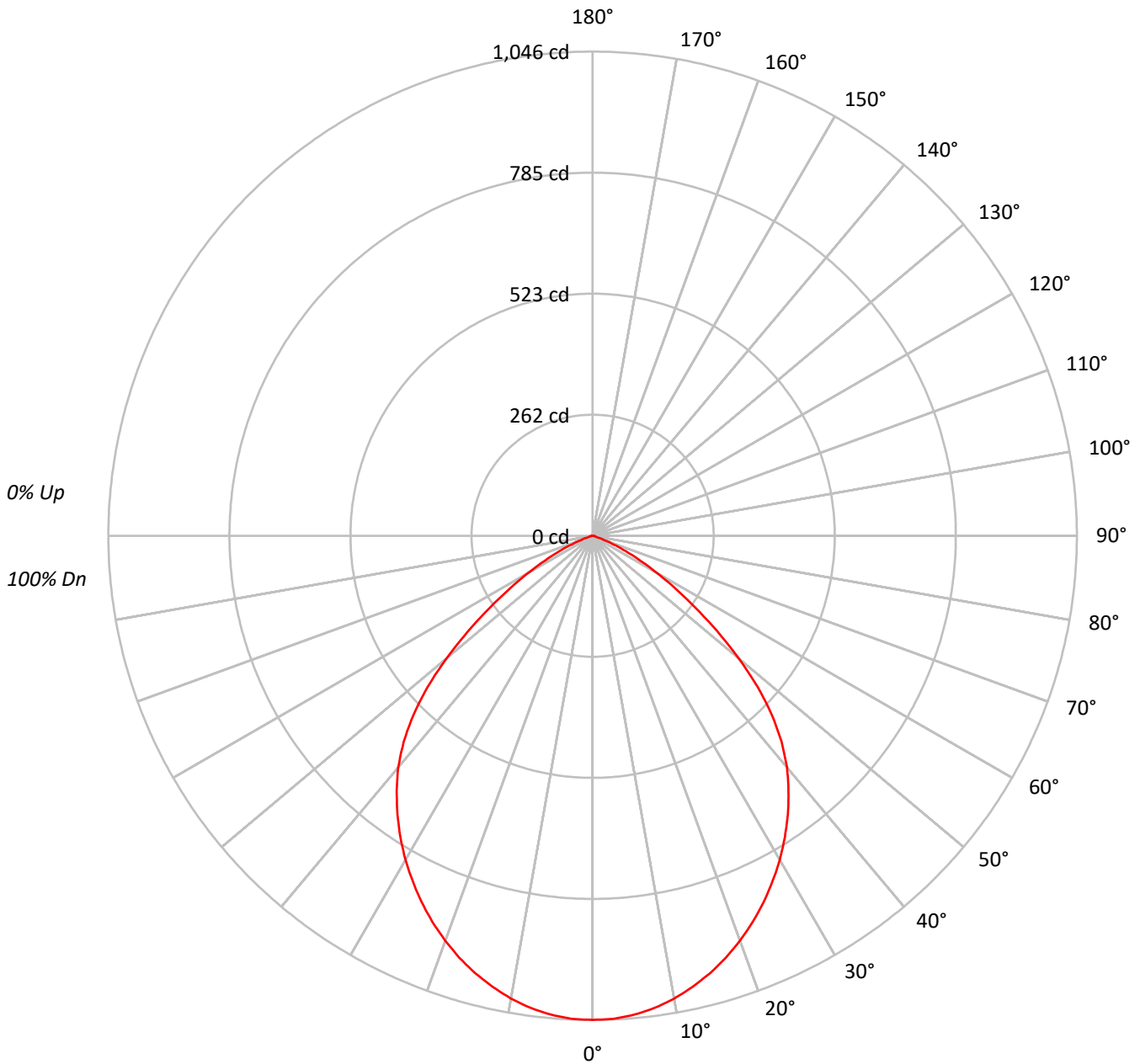
Lumens per Lamp: N/A
Luminaire Lumens: 1992.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P839868

CATALOG NUMBER: LDS4C25D010 EU4259035 4LBPSMB

Luminous Intensity Polar Plot





TEST NUMBER: P839868

CATALOG NUMBER: LDS4C25D010 EU4259035 4LBPSMB

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	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°	128505
5°	128058
10°	126657
15°	124478
20°	121691
25°	118433
30°	114707
35°	110278
40°	104724
45°	95210
50°	78610
55°	57874
60°	39289
65°	22994
70°	9088
75°	2041
80°	2688
85°	4511



TEST NUMBER: P839868

CATALOG NUMBER: LDS4C25D010 EU4259035 4LBPSMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	4.9
10°-20°	275.6	13.8
20°-30°	402.0	20.2
30°-40°	458.8	23.0
40°-50°	417.1	20.9
50°-60°	246.0	12.3
60°-70°	82.5	4.1
70°-80°	8.6	0.4
80°-90°	3.0	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°	775.9	39.0
0°-40°	1234.8	62.0
0°-60°	1897.9	95.3
0°-90°	1992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1046	
5°	1038	98
15°	979	276
25°	874	402
35°	735	459
45°	548	417
55°	270	246
65°	79	82
75°	4	9
85°	3	3
90°	0	



TEST NUMBER: P839868

CATALOG NUMBER: LDS4C25D010 EU4259035 4LBPSMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1046.0
2.5°	1044.3
5°	1038.4
7.5°	1028.7
10°	1015.3
12.5°	998.1
15°	978.7
17.5°	956.1
20°	930.8
22.5°	903.3
25°	873.7
27.5°	841.4
30°	808.6
32.5°	772.5
35°	735.3
37.5°	695.0
40°	653.0
42.5°	604.0
45°	548.0
47.5°	483.4
50°	411.3
52.5°	339.1
55°	270.2
57.5°	211.6
60°	159.9
62.5°	115.7
65°	79.1
67.5°	48.4
70°	25.3
72.5°	9.7
75°	4.3
77.5°	4.3
80°	3.8
82.5°	3.2
85°	3.2
87.5°	2.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)