

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: P839618

Luminaire Tested: **LDS4C08D010 EU4089035 4LBPSMB**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839618
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: LDS4C08D010 EU4089035 4LBPSMB
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 4LBPS TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Summary

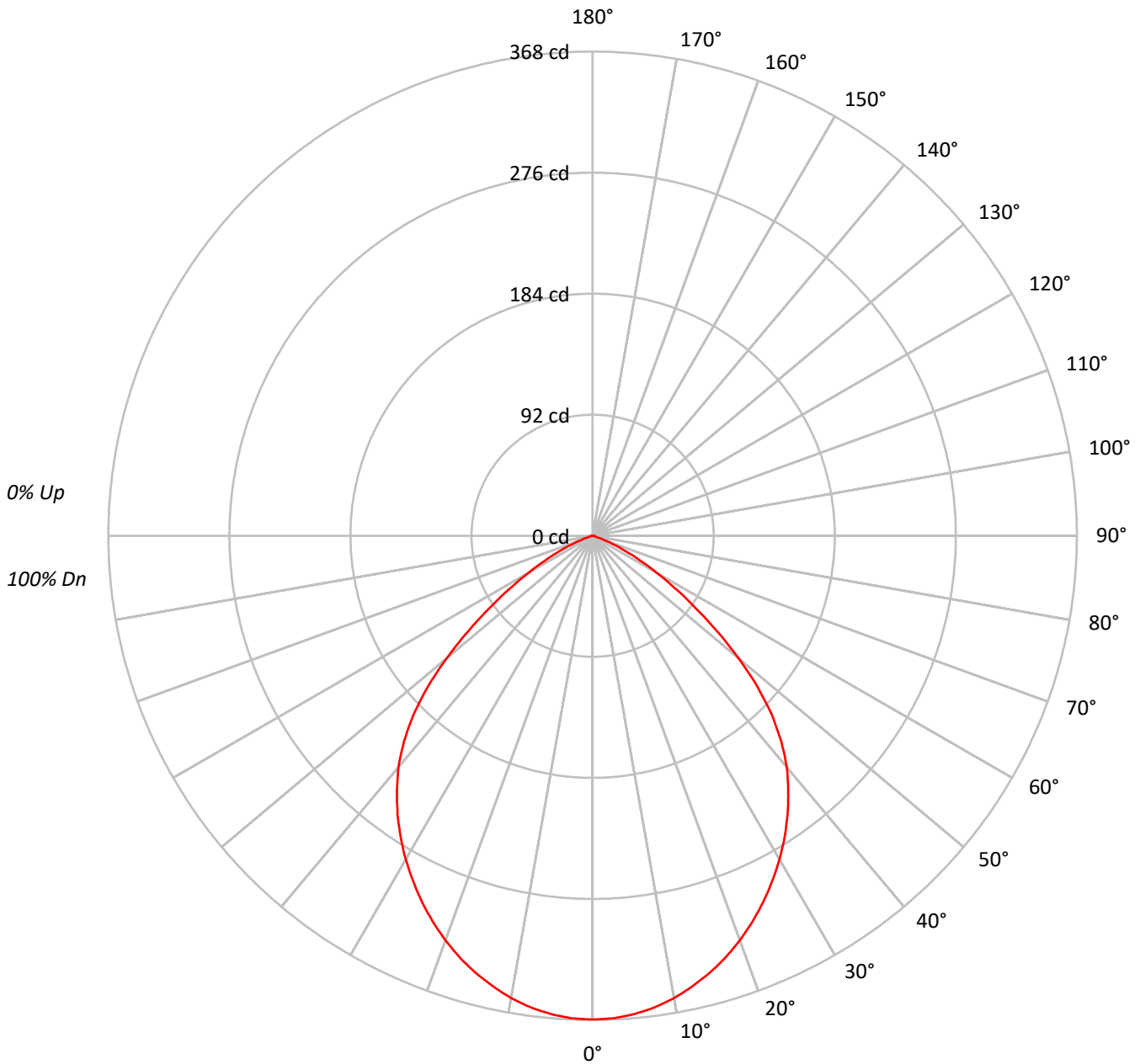
Lumens per Lamp: N/A
Luminaire Lumens: 700.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P839618

CATALOG NUMBER: LDS4C08D010 EU4089035 4LBPSMB

Luminous Intensity Polar Plot





TEST NUMBER: P839618

CATALOG NUMBER: LDS4C08D010 EU4089035 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°	45161
5°	45000
10°	44510
15°	43740
20°	42764
25°	41615
30°	40302
35°	38754
40°	36806
45°	33463
50°	27618
55°	20348
60°	13809
65°	8081
70°	3197
75°	712
80°	920
85°	1551



TEST NUMBER: P839618

CATALOG NUMBER: LDS4C08D010 EU4089035 4LBPSMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	4.9
10°-20°	96.8	13.8
20°-30°	141.2	20.2
30°-40°	161.2	23.0
40°-50°	146.6	20.9
50°-60°	86.5	12.4
60°-70°	29.0	4.1
70°-80°	3.0	0.4
80°-90°	1.0	0.1
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°	272.7	39.0
0°-40°	433.9	62.0
0°-60°	666.9	95.3
0°-90°	700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	368	
5°	365	35
15°	344	97
25°	307	141
35°	258	161
45°	193	147
55°	95	86
65°	28	29
75°	2	3
85°	1	1
90°	0	



TEST NUMBER: P839618

CATALOG NUMBER: LDS4C08D010 EU4089035 4LBPSMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	367.6
2.5°	367.0
5°	364.9
7.5°	361.5
10°	356.8
12.5°	350.7
15°	343.9
17.5°	336.0
20°	327.1
22.5°	317.4
25°	307.0
27.5°	295.7
30°	284.1
32.5°	271.5
35°	258.4
37.5°	244.2
40°	229.5
42.5°	212.2
45°	192.6
47.5°	169.9
50°	144.5
52.5°	119.2
55°	95.0
57.5°	74.3
60°	56.2
62.5°	40.7
65°	27.8
67.5°	17.0
70°	8.9
72.5°	3.4
75°	1.5
77.5°	1.5
80°	1.3
82.5°	1.1
85°	1.1
87.5°	0.9
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)