

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: P839184

Luminaire Tested: **LD4C100D010 EU41009035 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C100D010 EU41009035 4LBSLI
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

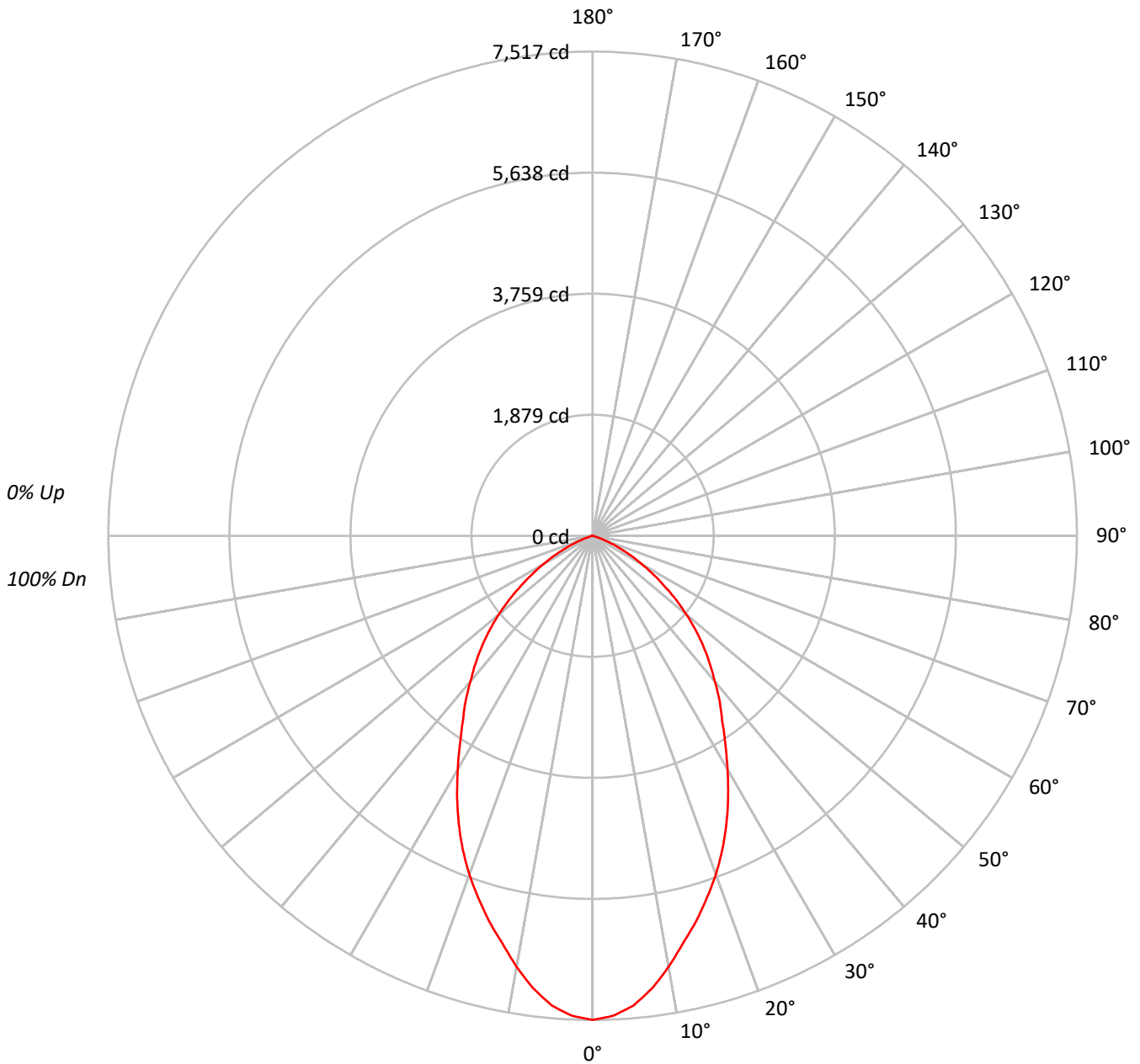
Lumens per Lamp: N/A
Luminaire Lumens: 10527.1 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80			80
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71			71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57			57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51			51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	923440
5°	902525
10°	847543
15°	788523
20°	731322
25°	666654
30°	593510
35°	526072
40°	472830
45°	423181
50°	363044
55°	292046
60°	217598
65°	138924
70°	66955
75°	11107
80°	8207
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.6	6.5
10°-20°	1738.2	16.5
20°-30°	2252.5	21.4
30°-40°	2207.0	21.0
40°-50°	1870.7	17.8
50°-60°	1226.3	11.6
60°-70°	492.9	4.7
70°-80°	56.4	0.5
80°-90°	1.6	0.0
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°	4672.3	44.4
0°-40°	6879.3	65.3
0°-60°	9976.2	94.8
0°-90°	10527.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10527.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7517	
5°	7318	682
15°	6200	1738
25°	4918	2252
35°	3508	2207
45°	2436	1871
55°	1364	1226
65°	478	493
75°	23	56
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7516.6
2.5°	7458.3
5°	7318.4
7.5°	7085.3
10°	6794.0
12.5°	6479.4
15°	6199.7
17.5°	5896.9
20°	5593.8
22.5°	5267.6
25°	4918.0
27.5°	4556.5
30°	4183.8
32.5°	3834.2
35°	3507.7
37.5°	3239.8
40°	2948.3
42.5°	2692.0
45°	2435.7
47.5°	2167.6
50°	1899.5
52.5°	1631.6
55°	1363.5
57.5°	1118.8
60°	885.6
62.5°	675.8
65°	477.9
67.5°	314.7
70°	186.4
72.5°	81.5
75°	23.4
77.5°	11.6
80°	11.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)