

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: P839181

Luminaire Tested: **LD4C100D010 EU41009030 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P839181
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 EU41009030 4LBSLI
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

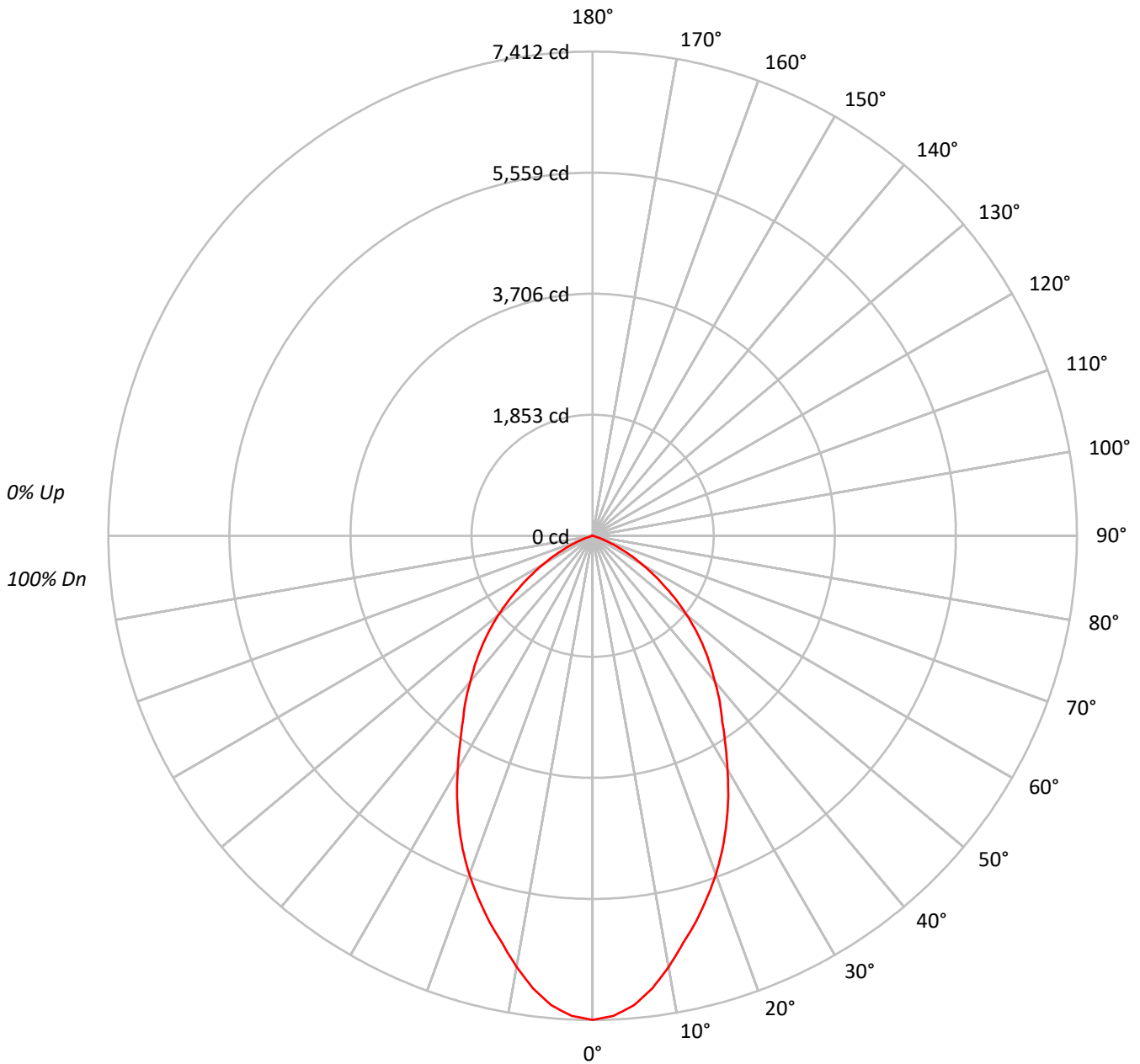
Lumens per Lamp: N/A
Luminaire Lumens: 10381.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	910639
5°	890008
10°	835791
15°	777585
20°	721177
25°	657395
30°	585268
35°	518768
40°	466271
45°	417309
50°	357998
55°	287998
60°	214576
65°	137005
70°	66021
75°	10965
80°	8065
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	672.1	6.5
10°-20°	1714.1	16.5
20°-30°	2221.2	21.4
30°-40°	2176.4	21.0
40°-50°	1844.7	17.8
50°-60°	1209.3	11.6
60°-70°	486.1	4.7
70°-80°	55.6	0.5
80°-90°	1.5	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°	4607.4	44.4
0°-40°	6783.8	65.3
0°-60°	9837.8	94.8
0°-90°	10381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10381.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7412	
5°	7217	672
15°	6114	1714
25°	4850	2221
35°	3459	2176
45°	2402	1845
55°	1345	1209
65°	471	486
75°	23	56
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7412.4
2.5°	7354.8
5°	7216.9
7.5°	6987.0
10°	6699.8
12.5°	6389.5
15°	6113.7
17.5°	5815.1
20°	5516.2
22.5°	5194.5
25°	4849.7
27.5°	4493.3
30°	4125.7
32.5°	3781.0
35°	3459.0
37.5°	3194.9
40°	2907.4
42.5°	2654.7
45°	2401.9
47.5°	2137.5
50°	1873.1
52.5°	1609.0
55°	1344.6
57.5°	1103.2
60°	873.3
62.5°	666.5
65°	471.3
67.5°	310.3
70°	183.8
72.5°	80.4
75°	23.1
77.5°	11.4
80°	11.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)