

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: P859194

Luminaire Tested: **LD4C60D010 EU4609030 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P859194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208178)
Test Lab: INNOVATION CENTER
Issue Date: 7/19/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EU4609030 4LBMLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

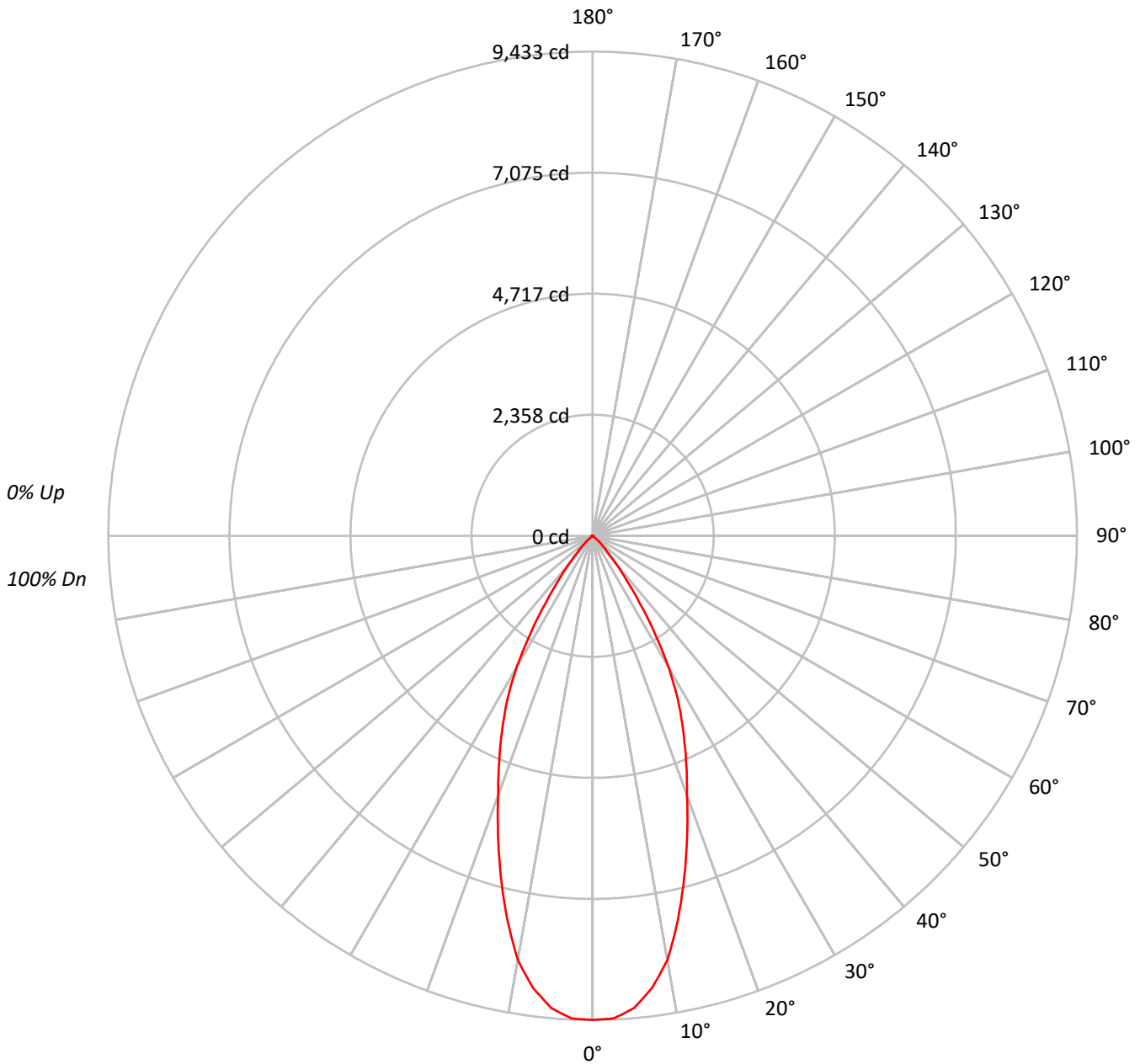
Lumens per Lamp: N/A
Luminaire Lumens: 5984.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	71	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	64	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	67	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	56			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1158926
5°	1139231
10°	1046766
15°	876613
20°	702311
25°	564297
30°	420073
35°	239977
40°	112631
45°	47814
50°	15233
55°	7754
60°	5332
65°	4215
70°	2586
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.1	14.3
10°-20°	1909.5	31.9
20°-30°	1898.5	31.7
30°-40°	1033.9	17.3
40°-50°	239.0	4.0
50°-60°	33.7	0.6
60°-70°	12.5	0.2
70°-80°	2.8	0.0
80°-90°	0.0	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°	4662.2	77.9
0°-40°	5696.0	95.2
0°-60°	5968.7	99.7
0°-90°	5984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5984.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9433	
5°	9238	854
15°	6892	1910
25°	4163	1899
35°	1600	1034
45°	275	239
55°	36	34
65°	14	12
75°	0	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9433.4
2.5°	9411.7
5°	9237.8
7.5°	8883.2
10°	8391.0
12.5°	7667.0
15°	6892.3
17.5°	6124.9
20°	5371.9
22.5°	4756.5
25°	4162.9
27.5°	3598.3
30°	2961.2
32.5°	2251.7
35°	1600.1
37.5°	1078.6
40°	702.3
42.5°	441.5
45°	275.2
47.5°	159.4
50°	79.7
52.5°	43.5
55°	36.2
57.5°	21.7
60°	21.7
62.5°	14.5
65°	14.5
67.5°	7.2
70°	7.2
72.5°	7.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)