

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: P859324

Luminaire Tested: **LD4C65D010 EU4659027 4LBMLI**

Issue Date: 7/19/2024

Test Information

Test Method: LM-79-08
Report Number: P859324
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: LD4C65D010 EU4659027 4LBMLI
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

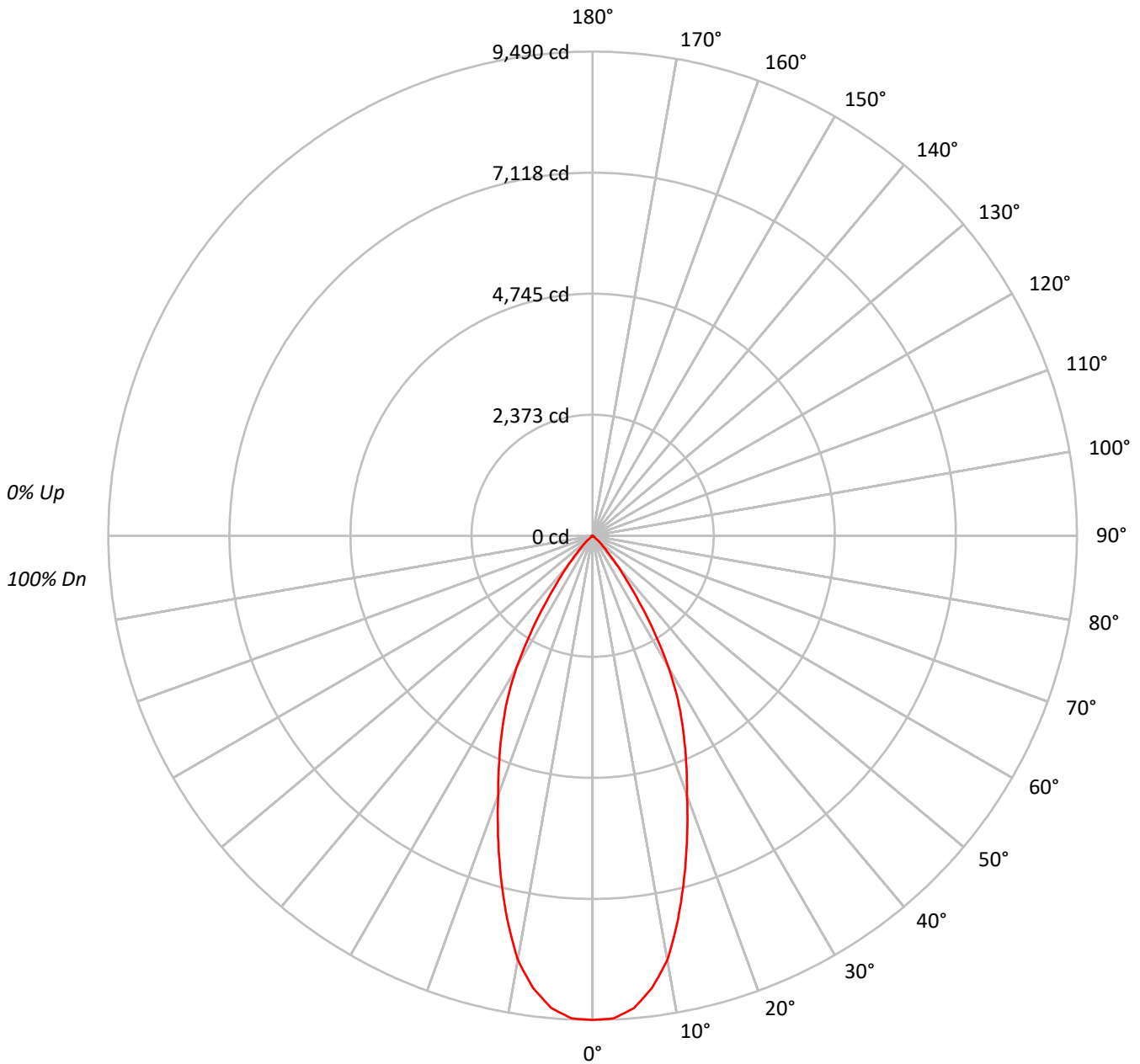
Lumens per Lamp: N/A
Luminaire Lumens: 6020.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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									
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	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°	1165904
5°	1146088
10°	1053066
15°	881891
20°	706534
25°	567699
30°	422598
35°	241417
40°	113304
45°	48109
50°	15328
55°	7796
60°	5381
65°	4244
70°	2622
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.3	14.3
10°-20°	1921.0	31.9
20°-30°	1909.9	31.7
30°-40°	1040.1	17.3
40°-50°	240.4	4.0
50°-60°	33.9	0.6
60°-70°	12.6	0.2
70°-80°	2.9	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°	4690.2	77.9
0°-40°	5730.3	95.2
0°-60°	6004.6	99.7
0°-90°	6020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6020.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9490	
5°	9293	859
15°	6934	1921
25°	4188	1910
35°	1610	1040
45°	277	240
55°	36	34
65°	15	13
75°	0	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9490.2
2.5°	9468.3
5°	9293.4
7.5°	8936.7
10°	8441.5
12.5°	7713.1
15°	6933.8
17.5°	6161.7
20°	5404.2
22.5°	4785.2
25°	4188.0
27.5°	3619.9
30°	2979.0
32.5°	2265.2
35°	1609.7
37.5°	1085.1
40°	706.5
42.5°	444.2
45°	276.9
47.5°	160.3
50°	80.2
52.5°	43.7
55°	36.4
57.5°	21.9
60°	21.9
62.5°	14.6
65°	14.6
67.5°	7.3
70°	7.3
72.5°	7.3
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)