

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: P859539

Luminaire Tested: **LD4C75D010 EU4759027 4LBMLI**

Issue Date: 7/19/2024

Test Information

Test Method: LM-79-08
Report Number: P859539
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: LD4C75D010 EU4759027 4LBMLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

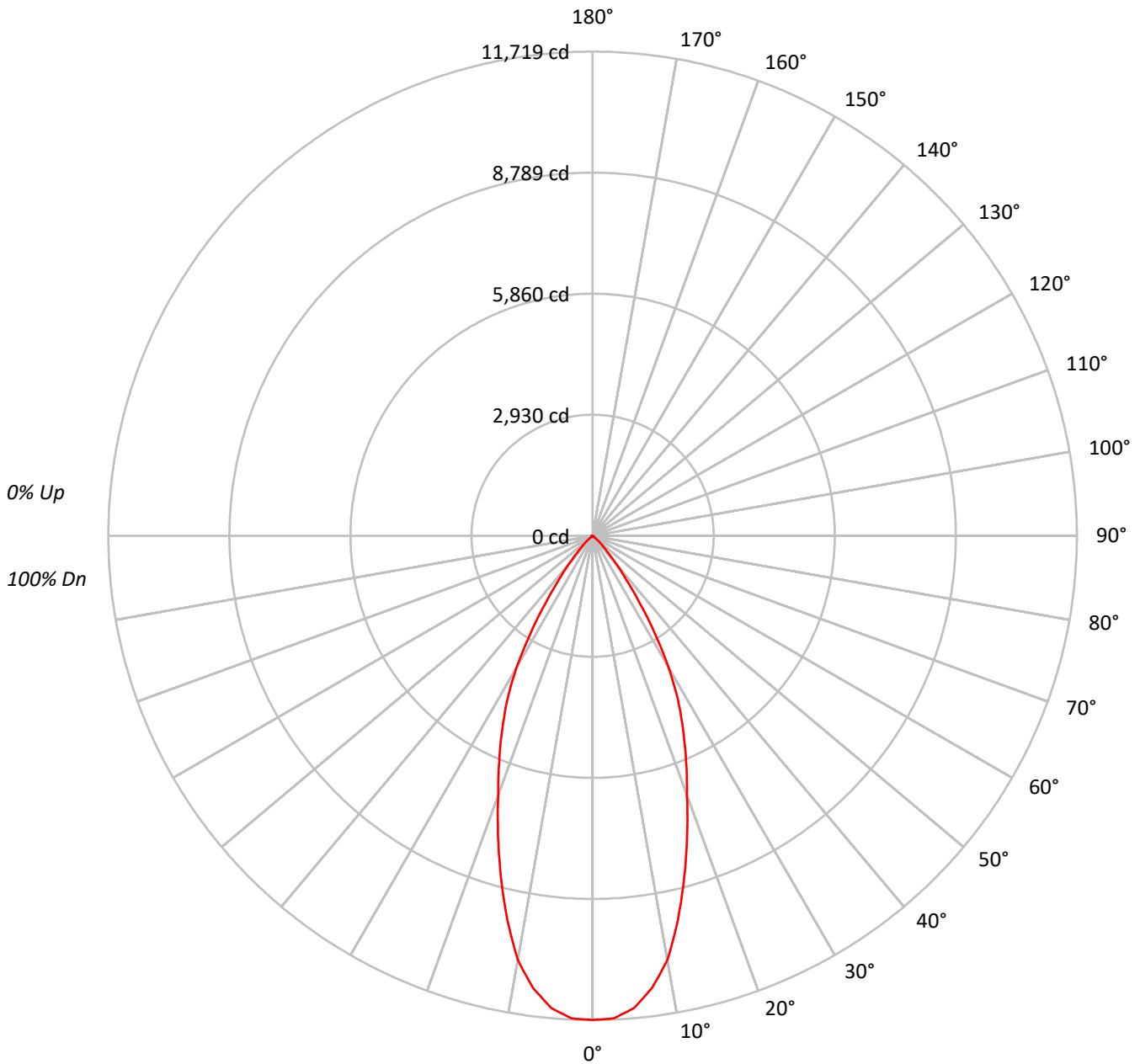
Lumens per Lamp: N/A
Luminaire Lumens: 7434.0 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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	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°	1439744
5°	1415289
10°	1300418
15°	1089028
20°	872493
25°	701030
30°	521857
35°	298123
40°	139910
45°	59402
50°	18921
55°	9638
60°	6634
65°	5233
70°	3233
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1061.1	14.3
10°-20°	2372.2	31.9
20°-30°	2358.5	31.7
30°-40°	1284.4	17.3
40°-50°	296.9	4.0
50°-60°	41.8	0.6
60°-70°	15.5	0.2
70°-80°	3.5	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°	5791.9	77.9
0°-40°	7076.2	95.2
0°-60°	7415.0	99.7
0°-90°	7434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7434.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11719	
5°	11476	###
15°	8562	2372
25°	5172	2359
35°	1988	1284
45°	342	297
55°	45	42
65°	18	16
75°	0	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11719.2
2.5°	11692.2
5°	11476.3
7.5°	11035.8
10°	10424.3
12.5°	9524.8
15°	8562.4
17.5°	7609.0
20°	6673.6
22.5°	5909.1
25°	5171.6
27.5°	4470.2
30°	3678.7
32.5°	2797.3
35°	1987.8
37.5°	1339.9
40°	872.4
42.5°	548.5
45°	341.9
47.5°	198.0
50°	99.0
52.5°	54.0
55°	45.0
57.5°	27.0
60°	27.0
62.5°	18.0
65°	18.0
67.5°	9.0
70°	9.0
72.5°	9.0
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)