

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: P856747

Luminaire Tested: **LX4C10D010 EX4C109035 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P856747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C10D010 EX4C109035 4LBMLI
Description: 4 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

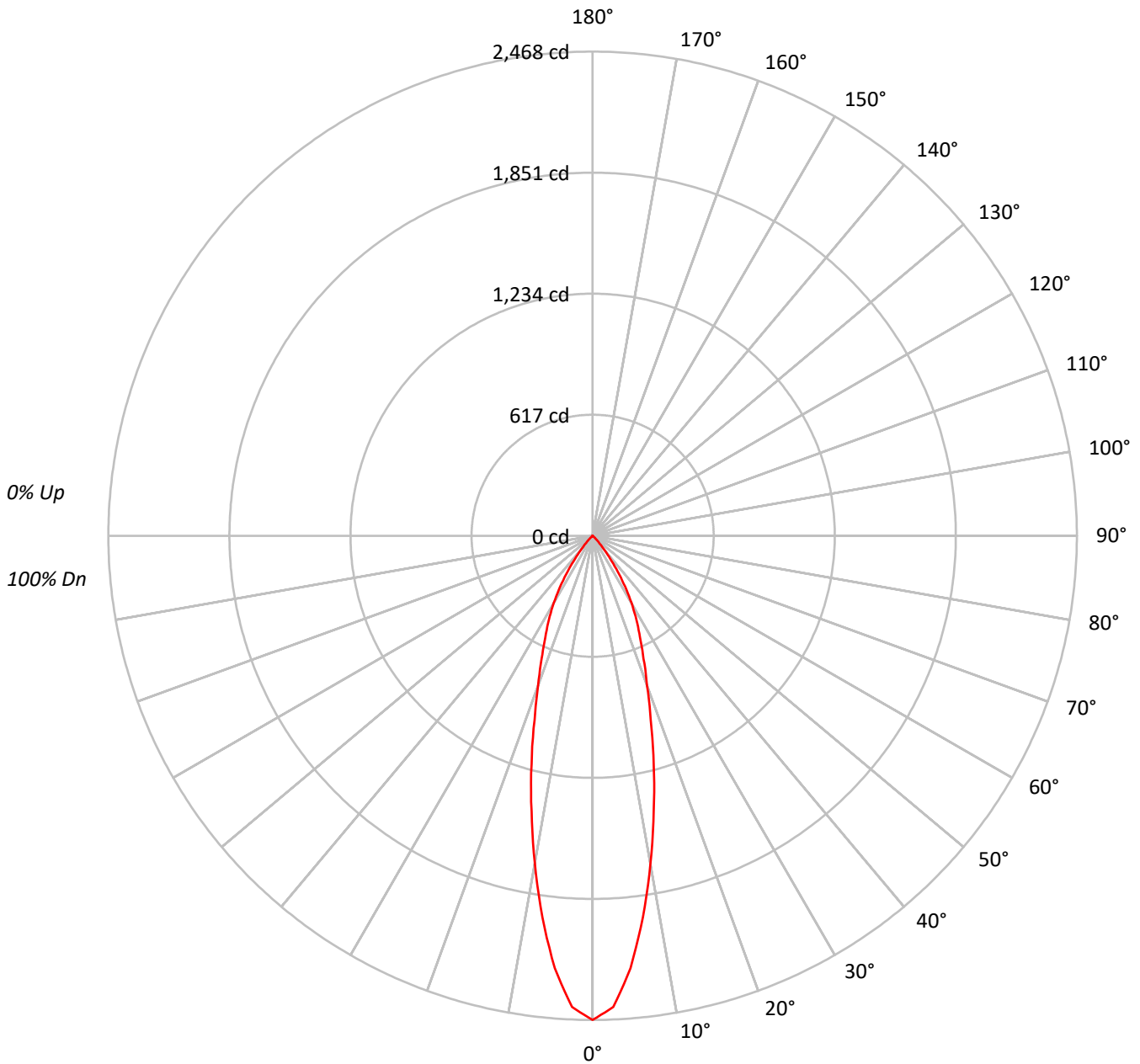
Lumens per Lamp: N/A
Luminaire Lumens: 959.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V):
Input Current (Ain): 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									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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																											
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90																											
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85																											
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81																											
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77																											
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73																											
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69																											
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66																											
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63																											
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	303190
5°	272839
10°	211511
15°	153095
20°	106002
25°	77279
30°	56148
35°	33220
40°	13969
45°	4361
50°	573
55°	321
60°	369
65°	436
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	20.3
10°-20°	333.0	34.7
20°-30°	264.6	27.6
30°-40°	140.1	14.6
40°-50°	24.1	2.5
50°-60°	1.8	0.2
60°-70°	0.9	0.1
70°-80°	0.0	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°	792.1	82.6
0°-40°	932.1	97.2
0°-60°	958.1	99.9
0°-90°	959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2468	
5°	2212	194
15°	1204	333
25°	570	265
35°	222	140
45°	25	24
55°	2	2
65°	2	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2467.9
2.5°	2404.4
5°	2212.4
7.5°	1961.4
10°	1695.5
12.5°	1438.5
15°	1203.7
17.5°	985.1
20°	810.8
22.5°	677.9
25°	570.1
27.5°	483.0
30°	395.8
32.5°	307.2
35°	221.5
37.5°	146.2
40°	87.1
42.5°	50.2
45°	25.1
47.5°	8.9
50°	3.0
52.5°	3.0
55°	1.5
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
67.5°	0.0
70°	0.0
72.5°	0.0
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)