

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: P859692

Luminaire Tested: **LD4C08D010 EU4089040 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P859692
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: LD4C08D010 EU4089040 4LBMLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

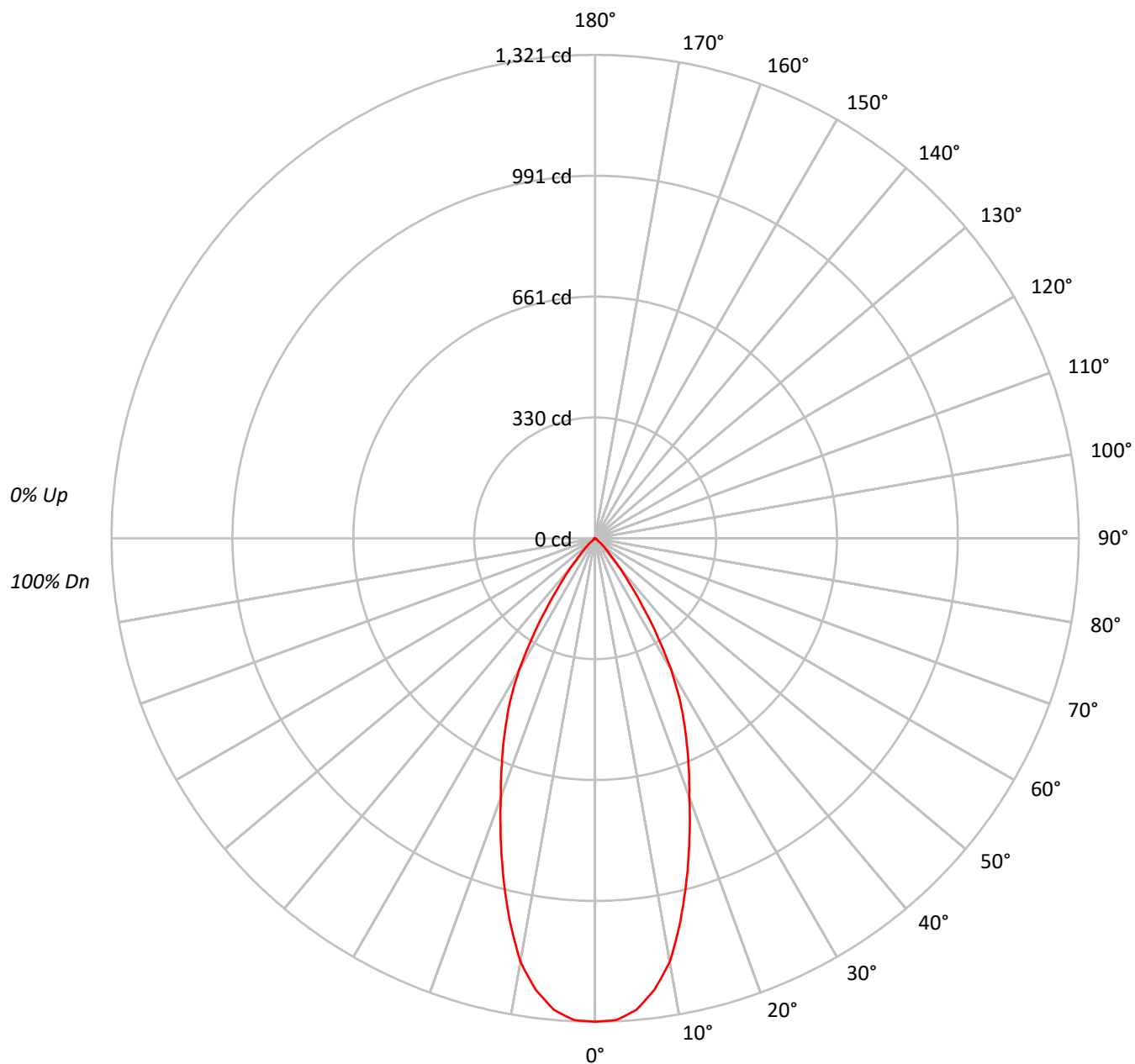
Lumens per Lamp: N/A
Luminaire Lumens: 837.9 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	71
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	64		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		67	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		64	60	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	162302
5°	159543
10°	146592
15°	122761
20°	98354
25°	79028
30°	58829
35°	33610
40°	15765
45°	6689
50°	2141
55°	1092
60°	737
65°	581
70°	359
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.6	14.3
10°-20°	267.4	31.9
20°-30°	265.9	31.7
30°-40°	144.8	17.3
40°-50°	33.4	4.0
50°-60°	4.7	0.6
60°-70°	1.7	0.2
70°-80°	0.4	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°	652.9	77.9
0°-40°	797.7	95.2
0°-60°	835.8	99.7
0°-90°	837.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	837.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1321	
5°	1294	120
15°	965	267
25°	583	266
35°	224	145
45°	38	33
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1321.1
2.5°	1318.0
5°	1293.7
7.5°	1244.0
10°	1175.1
12.5°	1073.7
15°	965.2
17.5°	857.7
20°	752.3
22.5°	666.1
25°	583.0
27.5°	503.9
30°	414.7
32.5°	315.3
35°	224.1
37.5°	151.0
40°	98.3
42.5°	61.8
45°	38.5
47.5°	22.3
50°	11.2
52.5°	6.1
55°	5.1
57.5°	3.0
60°	3.0
62.5°	2.0
65°	2.0
67.5°	1.0
70°	1.0
72.5°	1.0
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)