

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: P859646

Luminaire Tested: **LD4C08D010 EU4089030 4LBMLI**

Issue Date: 7/19/2024



Test Information

Test Method: LM-79-08
Report Number: P859646
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 EU4089030 4LBMLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

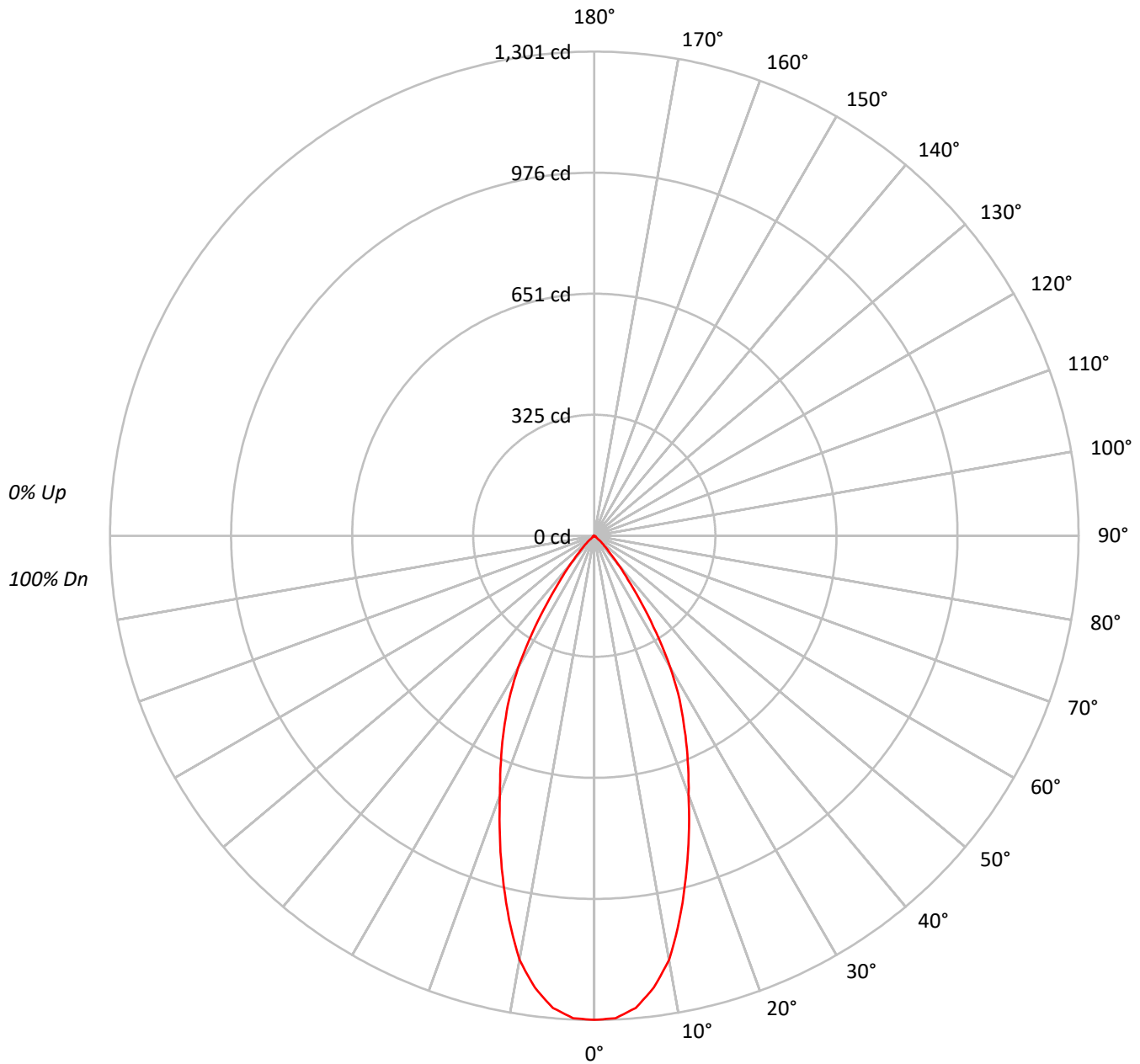
Lumens per Lamp: N/A
Luminaire Lumens: 825.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	159783
5°	157064
10°	144322
15°	120853
20°	96825
25°	77794
30°	57921
35°	33085
40°	15524
45°	6585
50°	2102
55°	1071
60°	737
65°	581
70°	359
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	14.3
10°-20°	263.3	31.9
20°-30°	261.7	31.7
30°-40°	142.5	17.3
40°-50°	32.9	4.0
50°-60°	4.6	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°	642.8	77.9
0°-40°	785.3	95.2
0°-60°	822.9	99.7
0°-90°	825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	825.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1301	
5°	1274	118
15°	950	263
25°	574	262
35°	221	143
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°	1300.6
2.5°	1297.6
5°	1273.6
7.5°	1224.7
10°	1156.9
12.5°	1057.0
15°	950.2
17.5°	844.4
20°	740.6
22.5°	655.8
25°	573.9
27.5°	496.1
30°	408.3
32.5°	310.4
35°	220.6
37.5°	148.7
40°	96.8
42.5°	60.9
45°	37.9
47.5°	22.0
50°	11.0
52.5°	6.0
55°	5.0
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)