

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: P859109

Luminaire Tested: **LX4C55D010 EX4C559035 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C55D010 EX4C559035 4LBMDLI
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

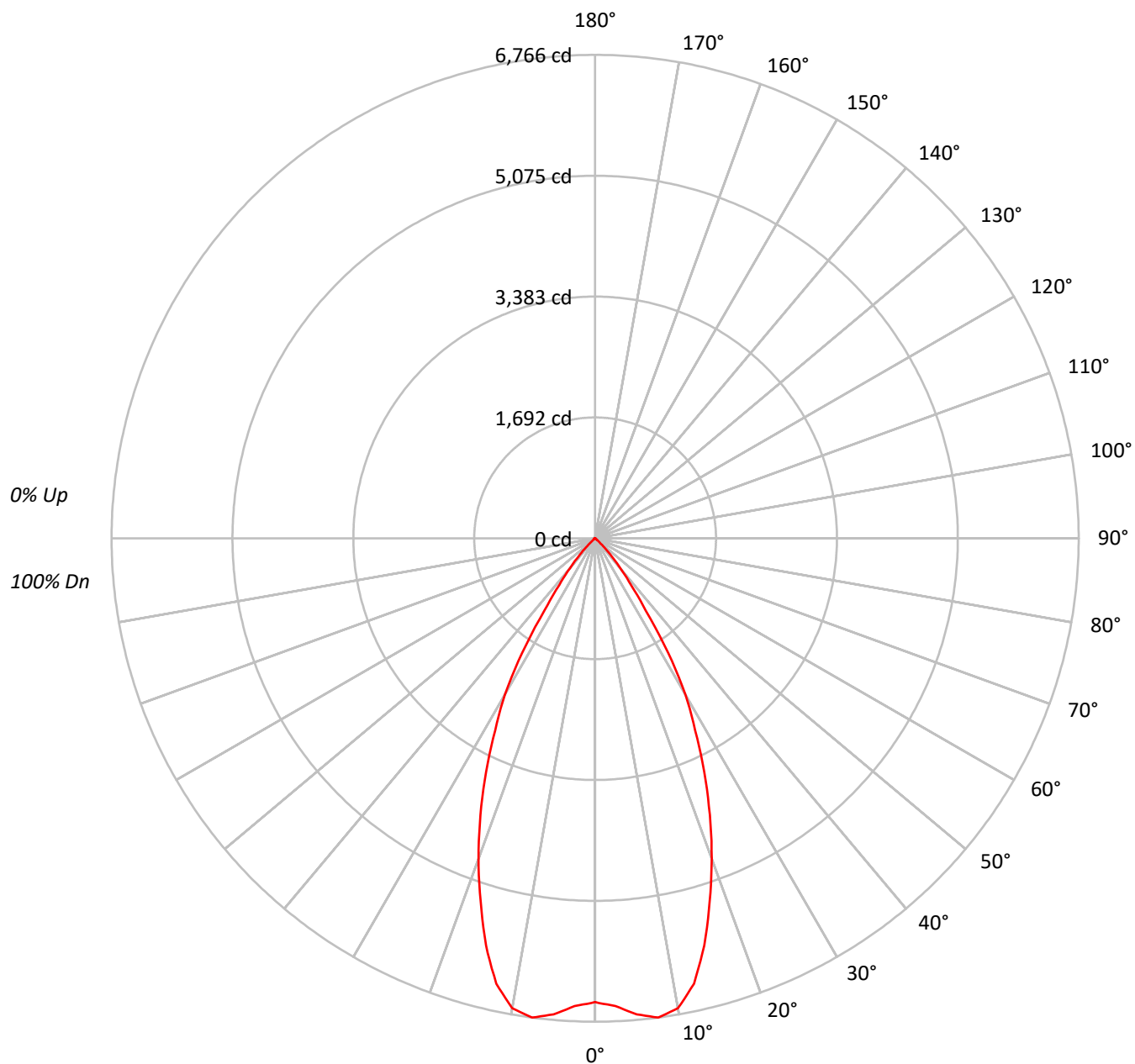
Lumens per Lamp: N/A
Luminaire Lumens: 4943.0 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	79	76		82	78	75		81
6	90	82	76	72	89	81	76	72	80	75	71		78	74	71		77
7	86	77	72	68	85	77	71	68	75	71	67		74	70	67		73
8	82	73	68	64	81	73	67	64	72	67	63		71	66	63		70
9	79	70	64	60	78	69	64	60	68	63	60		67	63	60		66
10	75	66	61	57	74	66	61	57	65	60	57		64	60	57		63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	797602
5°	824770
10°	833134
15°	750494
20°	623685
25°	489309
30°	358095
35°	185056
40°	87885
45°	30926
50°	6976
55°	4541
60°	3194
65°	2384
70°	1688
75°	1139
80°	849
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	638.8	12.9
10°-20°	1625.3	32.9
20°-30°	1644.6	33.3
30°-40°	838.4	17.0
40°-50°	164.3	3.3
50°-60°	19.9	0.4
60°-70°	8.3	0.2
70°-80°	3.0	0.1
80°-90°	0.5	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°	3908.7	79.1
0°-40°	4747.1	96.0
0°-60°	4931.3	99.8
0°-90°	4943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4943.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6492	
5°	6688	639
15°	5901	1625
25°	3610	1645
35°	1234	838
45°	178	164
55°	21	20
65°	8	8
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6492.3
2.5°	6552.4
5°	6687.9
7.5°	6765.7
10°	6678.5
12.5°	6385.0
15°	5900.7
17.5°	5329.1
20°	4770.5
22.5°	4191.9
25°	3609.7
27.5°	3029.9
30°	2524.3
32.5°	1902.1
35°	1233.9
37.5°	826.1
40°	548.0
42.5°	344.1
45°	178.0
47.5°	63.6
50°	36.5
52.5°	27.1
55°	21.2
57.5°	16.5
60°	13.0
62.5°	10.6
65°	8.2
67.5°	5.9
70°	4.7
72.5°	3.5
75°	2.4
77.5°	2.4
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)