

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: P857003

Luminaire Tested: **LX4C15D010 EX4C159050 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857003
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: LX4C15D010 EX4C159050 4LBMDLI
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

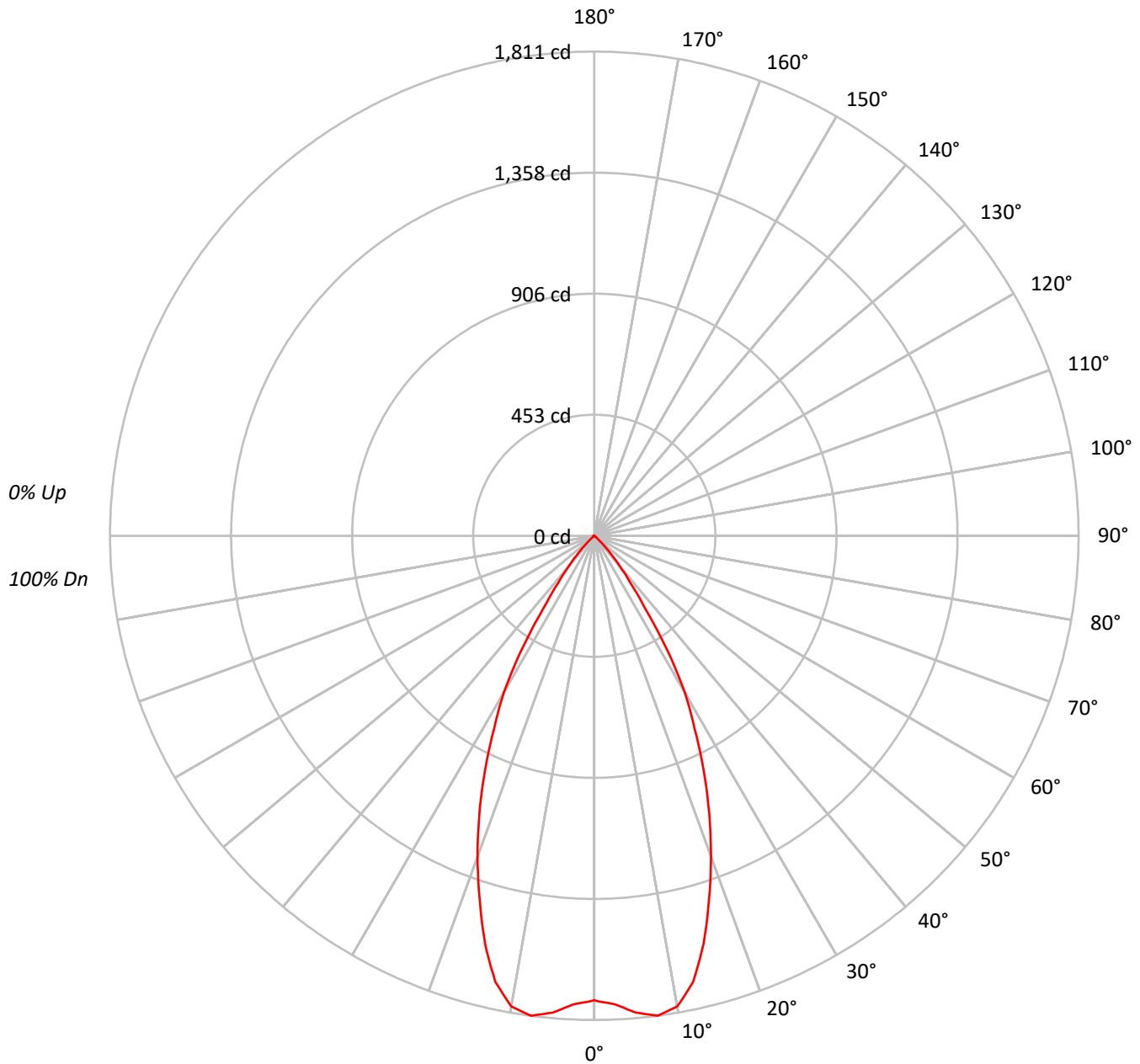
Lumens per Lamp: N/A
Luminaire Lumens: 1323.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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

TEST NUMBER: P857003

CATALOG NUMBER: LX4C15D010 EX4C159050 4LBMDLI

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	50	30	10
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	70	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	63	71	66	63	70	66	63	62		
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58		
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213482
5°	220748
10°	222988
15°	200867
20°	166926
25°	130959
30°	95840
35°	49522
40°	23527
45°	8270
50°	1873
55°	1221
60°	860
65°	640
70°	467
75°	285
80°	212
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	12.9
10°-20°	435.0	32.9
20°-30°	440.2	33.3
30°-40°	224.4	17.0
40°-50°	44.0	3.3
50°-60°	5.3	0.4
60°-70°	2.2	0.2
70°-80°	0.8	0.1
80°-90°	0.1	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°	1046.2	79.1
0°-40°	1270.5	96.0
0°-60°	1319.9	99.8
0°-90°	1323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1738	
5°	1790	171
15°	1579	435
25°	966	440
35°	330	224
45°	48	44
55°	6	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1737.7
2.5°	1753.8
5°	1790.0
7.5°	1810.8
10°	1787.5
12.5°	1709.0
15°	1579.3
17.5°	1426.3
20°	1276.8
22.5°	1122.0
25°	966.1
27.5°	811.0
30°	675.6
32.5°	509.1
35°	330.2
37.5°	221.1
40°	146.7
42.5°	92.1
45°	47.6
47.5°	17.0
50°	9.8
52.5°	7.3
55°	5.7
57.5°	4.4
60°	3.5
62.5°	2.8
65°	2.2
67.5°	1.6
70°	1.3
72.5°	0.9
75°	0.6
77.5°	0.6
80°	0.3
82.5°	0.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)