

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: P857002

Luminaire Tested: **LX4C15D010 EX4C159050 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C15D010 EX4C159050 4LBMDH
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

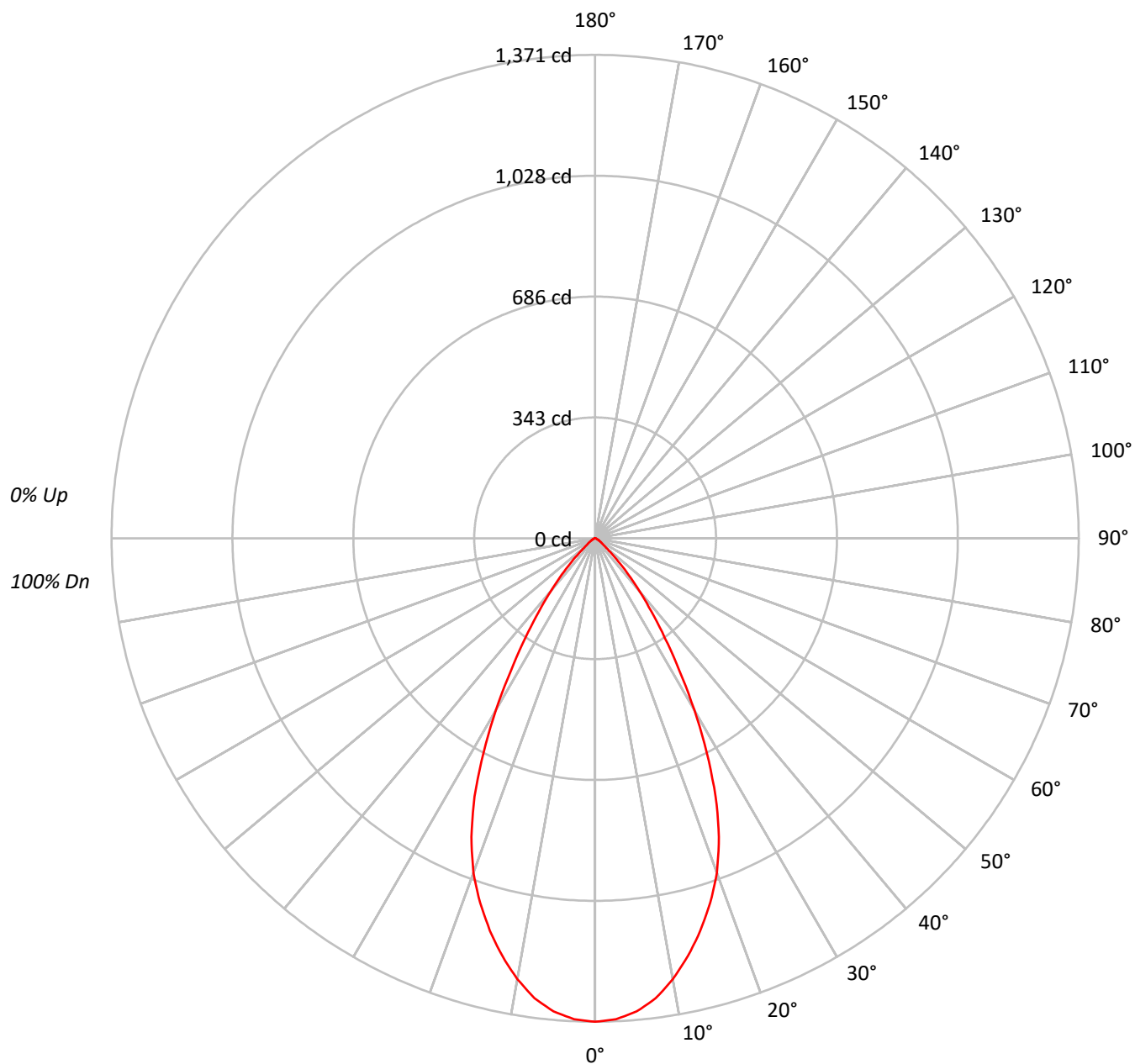
Lumens per Lamp: N/A
Luminaire Lumens: 1138.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P857002

CATALOG NUMBER: LX4C15D010 EX4C159050 4LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P857002

CATALOG NUMBER: LX4C15D010 EX4C159050 4LBMDH

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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	63	60	68	63	59		67	62	59		66
9	76	66	60	56	74	65	60	56	64	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	168432
5°	166153
10°	158356
15°	146532
20°	131915
25°	109582
30°	79668
35°	51637
40°	31257
45°	16106
50°	7301
55°	4391
60°	2948
65°	2122
70°	1580
75°	1044
80°	637
85°	423



TEST NUMBER: P857002

CATALOG NUMBER: LX4C15D010 EX4C159050 4LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	11.1
10°-20°	321.5	28.2
20°-30°	363.5	31.9
30°-40°	219.7	19.3
40°-50°	77.0	6.8
50°-60°	19.7	1.7
60°-70°	7.6	0.7
70°-80°	2.5	0.2
80°-90°	0.4	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°	811.2	71.3
0°-40°	1030.9	90.6
0°-60°	1127.6	99.1
0°-90°	1138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1138.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1371	
5°	1347	126
15°	1152	321
25°	808	364
35°	344	220
45°	93	77
55°	20	20
65°	7	8
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P857002

CATALOG NUMBER: LX4C15D010 EX4C159050 4LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1371.0
2.5°	1365.3
5°	1347.3
7.5°	1315.5
10°	1269.4
12.5°	1213.9
15°	1152.1
17.5°	1084.3
20°	1009.0
22.5°	916.6
25°	808.4
27.5°	684.5
30°	561.6
32.5°	444.0
35°	344.3
37.5°	261.1
40°	194.9
42.5°	140.0
45°	92.7
47.5°	57.1
50°	38.2
52.5°	27.4
55°	20.5
57.5°	15.8
60°	12.0
62.5°	9.5
65°	7.3
67.5°	5.7
70°	4.4
72.5°	3.2
75°	2.2
77.5°	1.6
80°	0.9
82.5°	0.6
85°	0.3
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)