

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: P857892

Luminaire Tested: **LX4C40D010 EX4C409027 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857892
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: LX4C40D010 EX4C409027 4LBMDLI
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

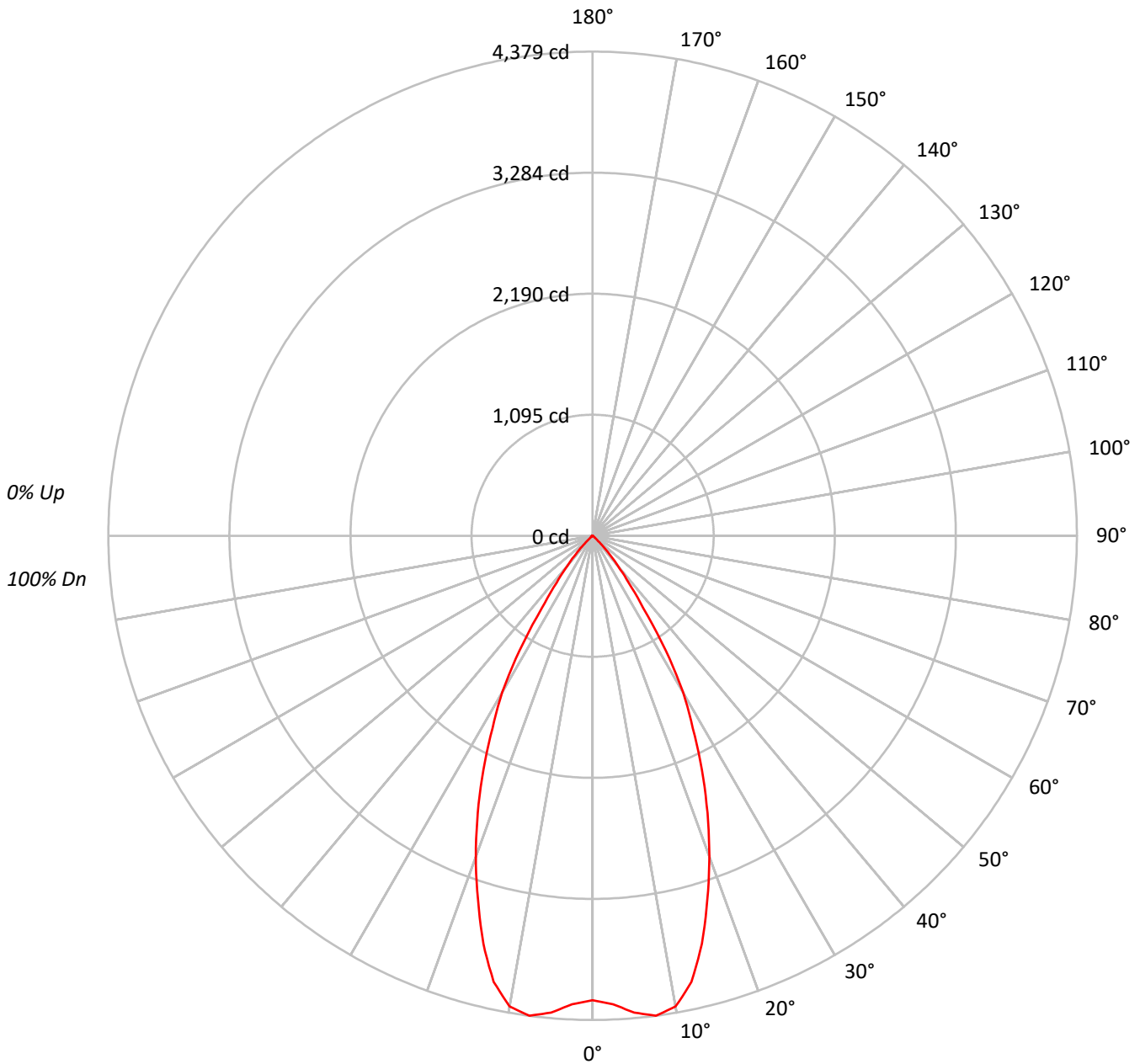
Lumens per Lamp: N/A
Luminaire Lumens: 3199.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V):
Input Current (A_{in}): 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: P857892

CATALOG NUMBER: LX4C40D010 EX4C409027 4LBMDLI

Luminous Intensity Polar Plot





TEST NUMBER: P857892

CATALOG NUMBER: LX4C40D010 EX4C409027 4LBMDLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	516193
5°	533778
10°	539189
15°	485703
20°	403640
25°	316667
30°	231755
35°	119756
40°	56885
45°	20015
50°	4511
55°	2934
60°	2064
65°	1541
70°	1114
75°	712
80°	566
85°	0



TEST NUMBER: P857892

CATALOG NUMBER: LX4C40D010 EX4C409027 4LBMDLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.4	12.9
10°-20°	1051.8	32.9
20°-30°	1064.4	33.3
30°-40°	542.6	17.0
40°-50°	106.4	3.3
50°-60°	12.9	0.4
60°-70°	5.4	0.2
70°-80°	1.9	0.1
80°-90°	0.3	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°	2529.6	79.1
0°-40°	3072.2	96.0
0°-60°	3191.4	99.8
0°-90°	3199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3199.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4202	
5°	4328	413
15°	3819	1052
25°	2336	1064
35°	798	543
45°	115	106
55°	14	13
65°	5	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P857892

CATALOG NUMBER: LX4C40D010 EX4C409027 4LBMDLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	4201.7
2.5°	4240.5
5°	4328.3
7.5°	4378.6
10°	4322.2
12.5°	4132.2
15°	3818.8
17.5°	3448.9
20°	3087.4
22.5°	2712.9
25°	2336.1
27.5°	1960.9
30°	1633.7
32.5°	1231.0
35°	798.5
37.5°	534.6
40°	354.7
42.5°	222.7
45°	115.2
47.5°	41.2
50°	23.6
52.5°	17.5
55°	13.7
57.5°	10.7
60°	8.4
62.5°	6.9
65°	5.3
67.5°	3.8
70°	3.1
72.5°	2.3
75°	1.5
77.5°	1.5
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)