

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: P857955

Luminaire Tested: **LX4C40D010 EX4C409040 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857955
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 EX4C409040 4LBMDLI
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

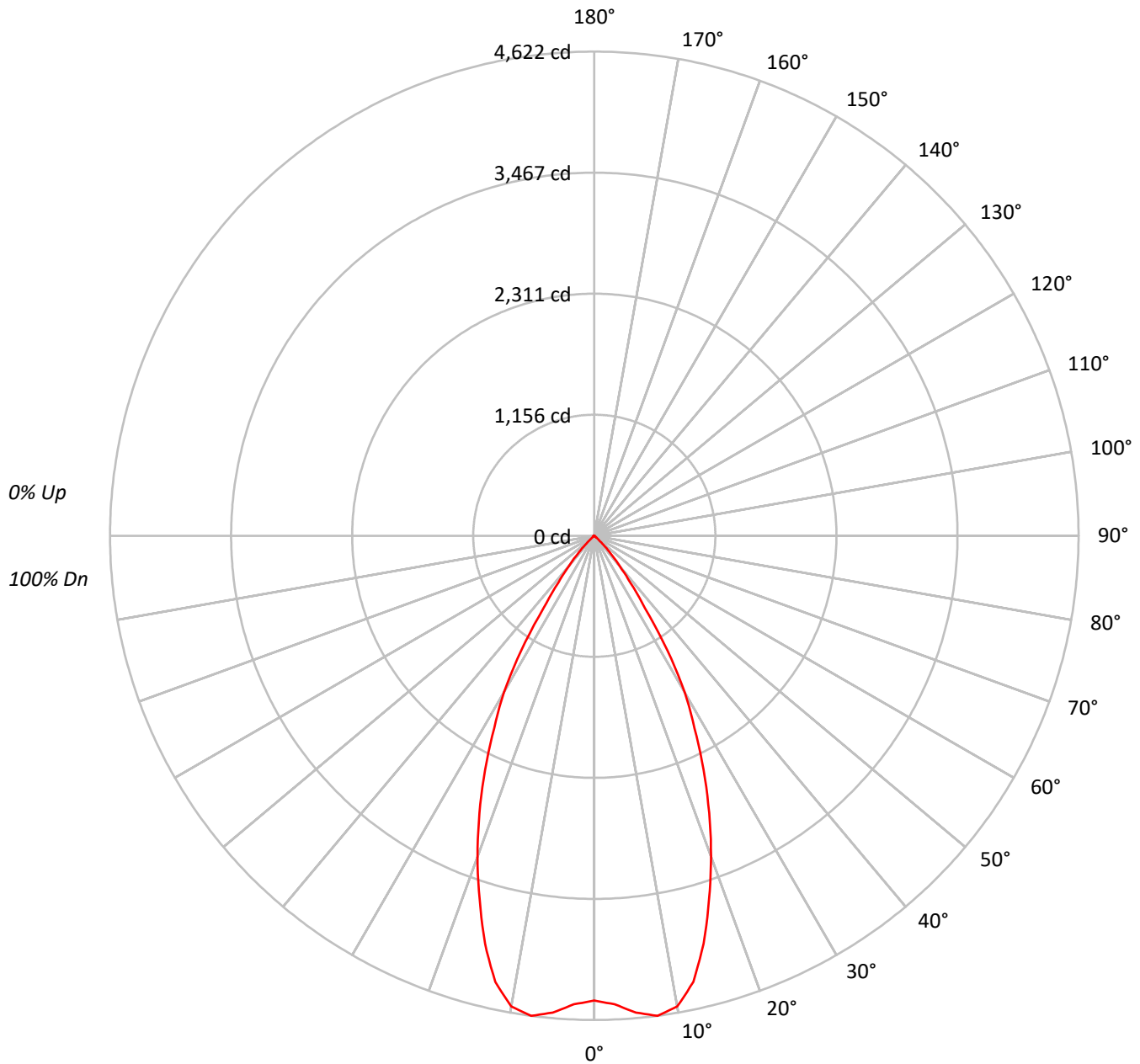
Lumens per Lamp: N/A
Luminaire Lumens: 3377.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V):
Input Current (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: P857955

CATALOG NUMBER: LX4C40D010 EX4C409040 4LBMDLI

Luminous Intensity Polar Plot





TEST NUMBER: P857955

CATALOG NUMBER: LX4C40D010 EX4C409040 4LBMDLI

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°	544904
5°	563474
10°	569191
15°	512730
20°	426101
25°	334289
30°	244650
35°	126430
40°	60044
45°	21127
50°	4778
55°	3106
60°	2187
65°	1628
70°	1149
75°	759
80°	566
85°	0



TEST NUMBER: P857955

CATALOG NUMBER: LX4C40D010 EX4C409040 4LBMDLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.4	12.9
10°-20°	1110.4	32.9
20°-30°	1123.6	33.3
30°-40°	572.8	17.0
40°-50°	112.3	3.3
50°-60°	13.6	0.4
60°-70°	5.6	0.2
70°-80°	2.0	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°	2670.4	79.1
0°-40°	3243.2	96.0
0°-60°	3369.1	99.8
0°-90°	3377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3377.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4435	
5°	4569	436
15°	4031	1110
25°	2466	1124
35°	843	573
45°	122	112
55°	14	14
65°	6	6
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P857955

CATALOG NUMBER: LX4C40D010 EX4C409040 4LBMDLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	4435.4
2.5°	4476.5
5°	4569.1
7.5°	4622.2
10°	4562.7
12.5°	4362.2
15°	4031.3
17.5°	3640.8
20°	3259.2
22.5°	2863.8
25°	2466.1
27.5°	2070.0
30°	1724.6
32.5°	1299.5
35°	843.0
37.5°	564.4
40°	374.4
42.5°	235.1
45°	121.6
47.5°	43.5
50°	25.0
52.5°	18.5
55°	14.5
57.5°	11.3
60°	8.9
62.5°	7.2
65°	5.6
67.5°	4.0
70°	3.2
72.5°	2.4
75°	1.6
77.5°	1.6
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)