

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: P857934

Luminaire Tested: **LX4C40D010 EX4C409035 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857934
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 EX4C409035 4LBMDLI
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

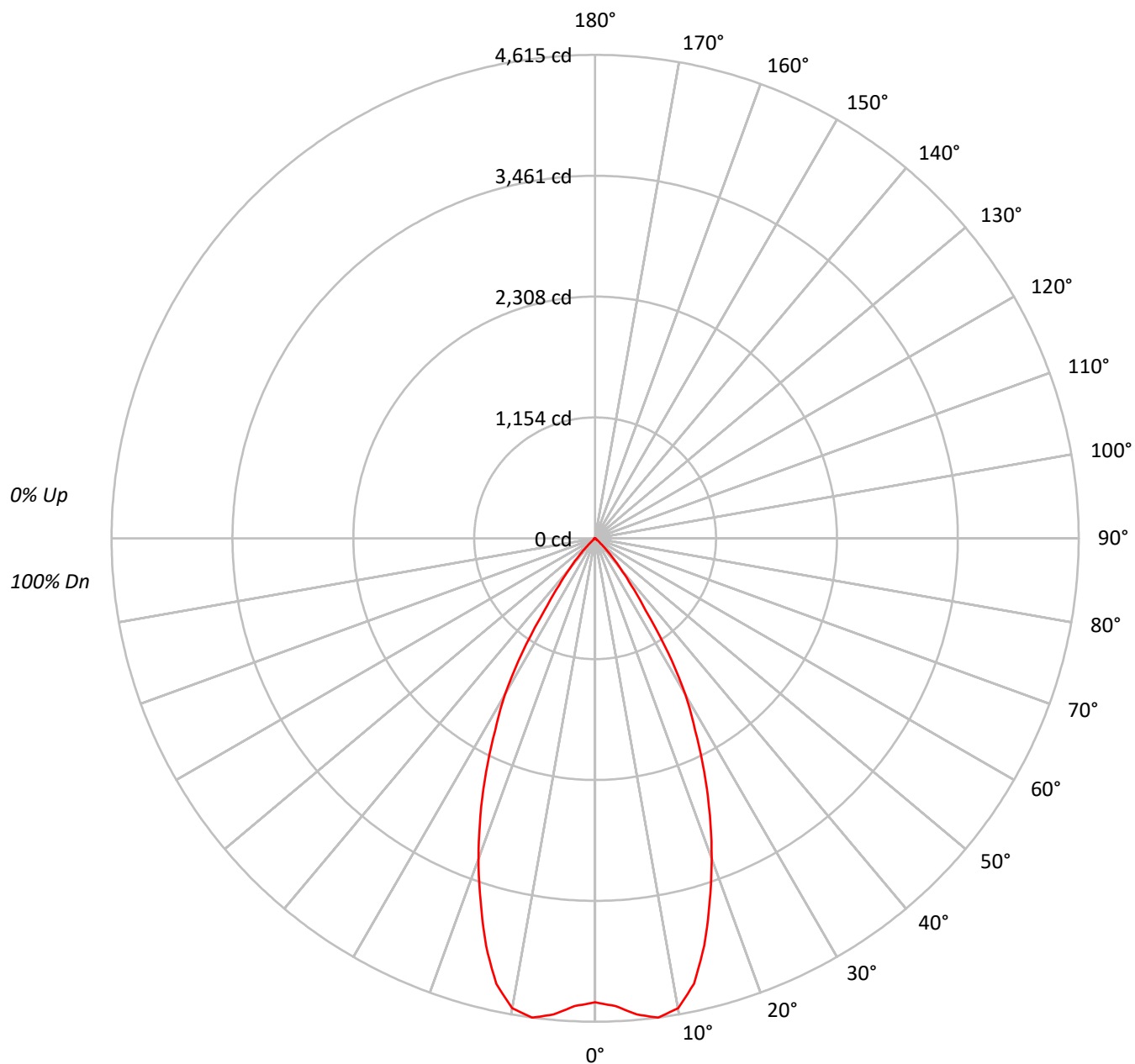
Lumens per Lamp: N/A
Luminaire Lumens: 3372.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	70
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	63		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		66	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		63	59	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	544106
5°	562635
10°	568343
15°	511967
20°	425460
25°	333801
30°	244281
35°	126235
40°	59948
45°	21092
50°	4759
55°	3106
60°	2162
65°	1628
70°	1149
75°	759
80°	566
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.8	12.9
10°-20°	1108.7	32.9
20°-30°	1121.9	33.3
30°-40°	571.9	17.0
40°-50°	112.1	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°	2666.4	79.1
0°-40°	3238.3	96.0
0°-60°	3364.0	99.8
0°-90°	3372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3372.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4429	
5°	4562	436
15°	4025	1109
25°	2462	1122
35°	842	572
45°	121	112
55°	14	14
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4428.9
2.5°	4469.9
5°	4562.3
7.5°	4615.4
10°	4555.9
12.5°	4355.7
15°	4025.3
17.5°	3635.4
20°	3254.3
22.5°	2859.6
25°	2462.5
27.5°	2066.9
30°	1722.0
32.5°	1297.6
35°	841.7
37.5°	563.6
40°	373.8
42.5°	234.7
45°	121.4
47.5°	43.4
50°	24.9
52.5°	18.5
55°	14.5
57.5°	11.3
60°	8.8
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



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— 0°-180°







(END OF REPORT)