

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: P859198

Luminaire Tested: **LX4C60D010 EX4C609030 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859198
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: LX4C60D010 EX4C609030 4LBMDLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

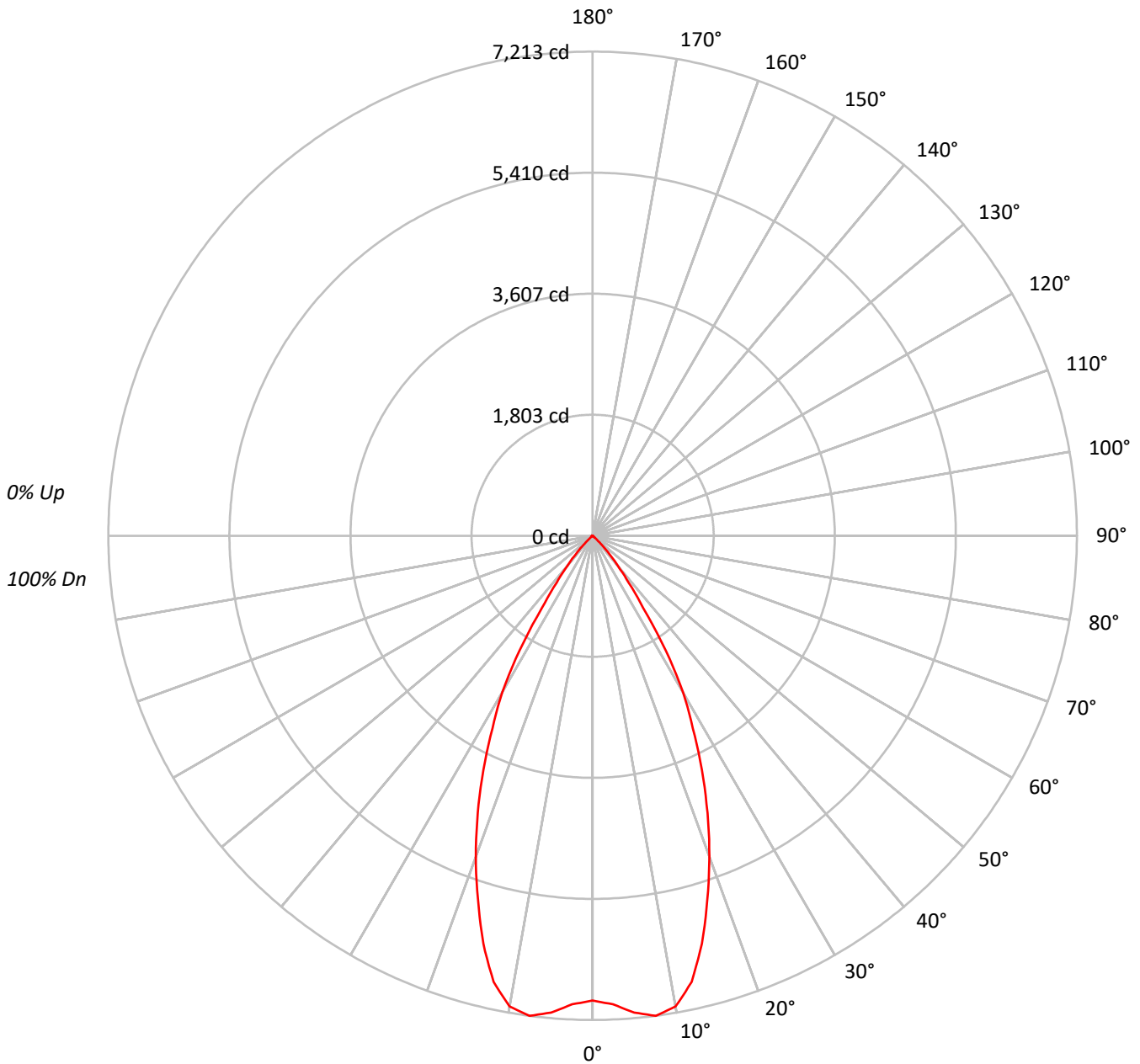
Lumens per Lamp: N/A
Luminaire Lumens: 5270.0 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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: P859198

CATALOG NUMBER: LX4C60D010 EX4C609030 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			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°	850367
5°	879328
10°	888248
15°	800135
20°	664946
25°	521679
30°	381785
35°	197294
40°	93690
45°	32959
50°	7435
55°	4841
60°	3391
65°	2558
70°	1796
75°	1187
80°	920
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.0	12.9
10°-20°	1732.8	32.9
20°-30°	1753.4	33.3
30°-40°	893.9	17.0
40°-50°	175.2	3.3
50°-60°	21.2	0.4
60°-70°	8.8	0.2
70°-80°	3.1	0.1
80°-90°	0.5	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°	4167.2	79.1
0°-40°	5061.1	96.0
0°-60°	5257.5	99.8
0°-90°	5270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5270.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6922	
5°	7130	681
15°	6291	1733
25°	3848	1753
35°	1316	894
45°	190	175
55°	23	21
65°	9	9
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6921.8
2.5°	6985.8
5°	7130.3
7.5°	7213.3
10°	7120.3
12.5°	6807.4
15°	6291.0
17.5°	5681.6
20°	5086.1
22.5°	4469.2
25°	3848.5
27.5°	3230.3
30°	2691.3
32.5°	2027.9
35°	1315.5
37.5°	880.8
40°	584.2
42.5°	366.9
45°	189.7
47.5°	67.8
50°	38.9
52.5°	28.9
55°	22.6
57.5°	17.6
60°	13.8
62.5°	11.3
65°	8.8
67.5°	6.3
70°	5.0
72.5°	3.8
75°	2.5
77.5°	2.5
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)