

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: P859219

Luminaire Tested: **LX4C60D010 EX4C609035 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859219
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 EX4C609035 4LBMDLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

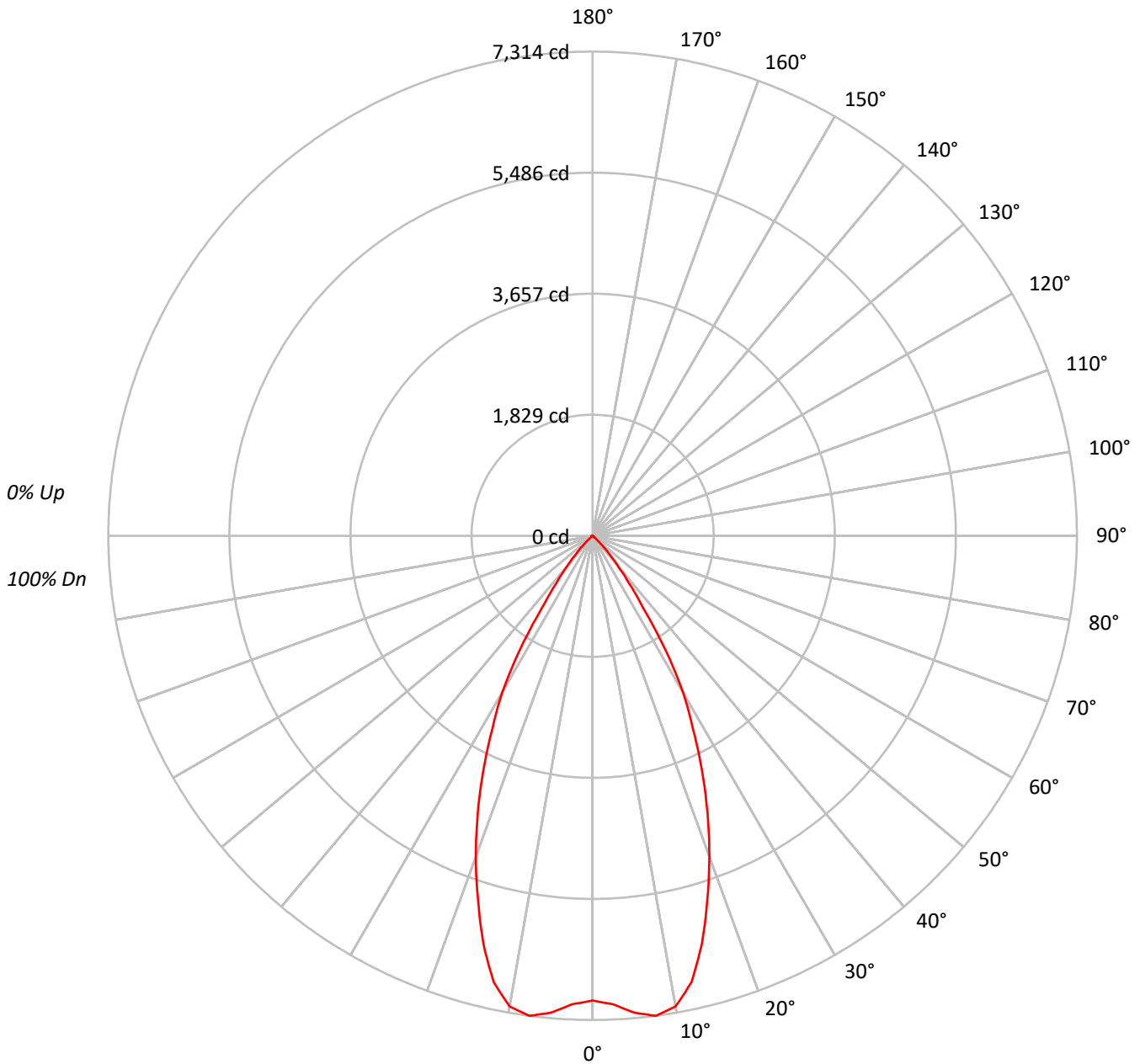
Lumens per Lamp: N/A
Luminaire Lumens: 5344.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	862309
5°	891685
10°	900723
15°	811379
20°	674281
25°	528999
30°	387147
35°	200069
40°	95021
45°	33428
50°	7549
55°	4905
60°	3440
65°	2587
70°	1832
75°	1187
80°	920
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.6	12.9
10°-20°	1757.1	32.9
20°-30°	1778.0	33.3
30°-40°	906.4	17.0
40°-50°	177.7	3.3
50°-60°	21.5	0.4
60°-70°	9.0	0.2
70°-80°	3.2	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°	4225.7	79.1
0°-40°	5132.2	96.0
0°-60°	5331.3	99.8
0°-90°	5344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7019	
5°	7230	691
15°	6379	1757
25°	3902	1778
35°	1334	906
45°	192	178
55°	23	21
65°	9	9
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7019.0
2.5°	7083.9
5°	7230.5
7.5°	7314.5
10°	7220.3
12.5°	6903.0
15°	6379.4
17.5°	5761.4
20°	5157.5
22.5°	4531.9
25°	3902.5
27.5°	3275.7
30°	2729.1
32.5°	2056.4
35°	1334.0
37.5°	893.1
40°	592.5
42.5°	372.0
45°	192.4
47.5°	68.8
50°	39.5
52.5°	29.3
55°	22.9
57.5°	17.8
60°	14.0
62.5°	11.5
65°	8.9
67.5°	6.4
70°	5.1
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)