

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: P857422

Luminaire Tested: **LX4C25D010 EX4C259050 4LBMDLI**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P857422
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: LX4C25D010 EX4C259050 4LBMDLI
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

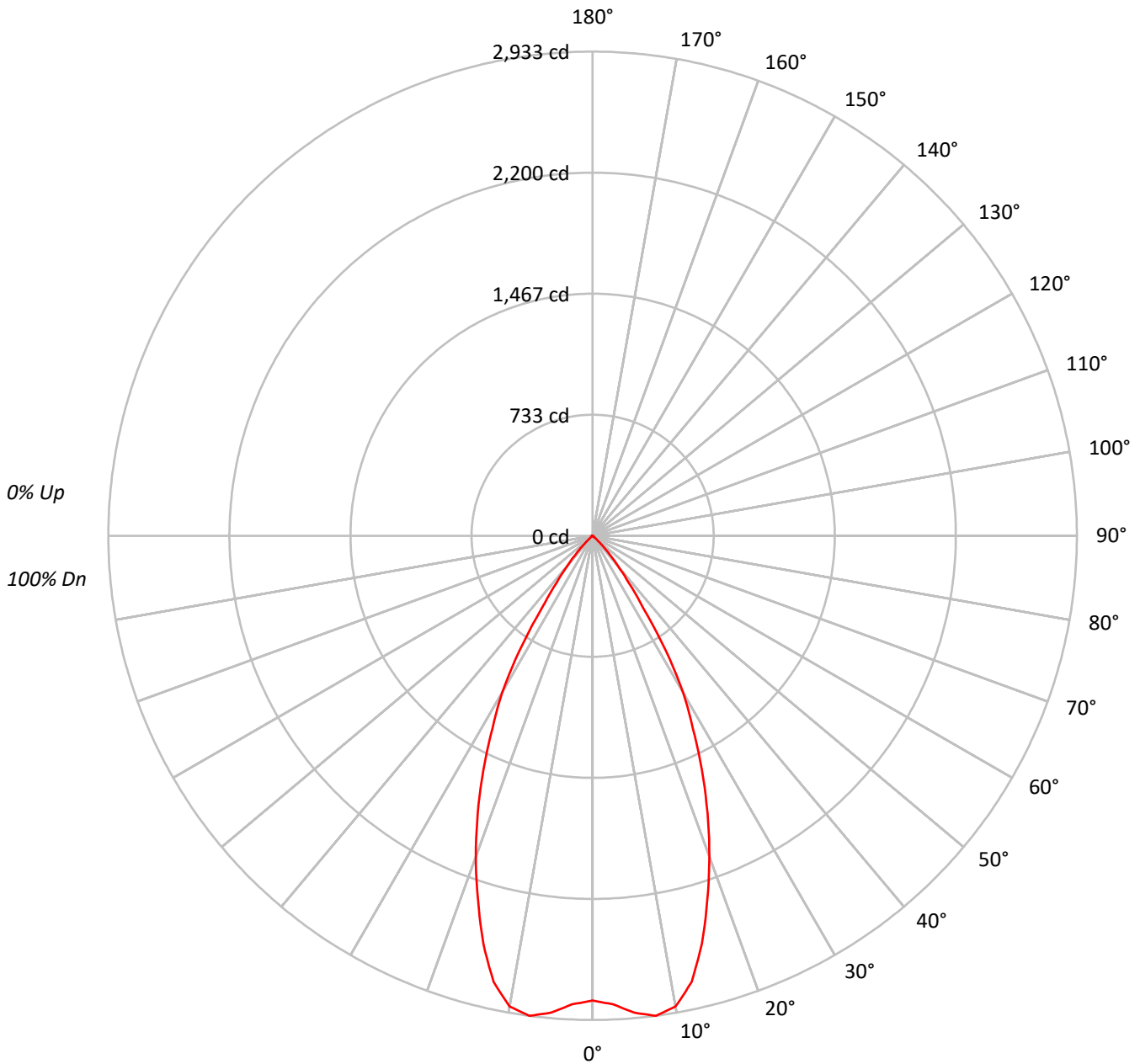
Lumens per Lamp: N/A
Luminaire Lumens: 2143.0 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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				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				100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88				88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83				83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78				78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73				73
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	70	69				69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65				65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62				62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58				58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55				55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	345796
5°	357574
10°	361197
15°	325370
20°	270392
25°	212142
30°	155250
35°	80222
40°	38105
45°	13395
50°	3020
55°	1971
60°	1376
65°	1047
70°	718
75°	475
80°	354
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.9	12.9
10°-20°	704.6	32.9
20°-30°	713.0	33.3
30°-40°	363.5	17.0
40°-50°	71.2	3.3
50°-60°	8.6	0.4
60°-70°	3.6	0.2
70°-80°	1.3	0.1
80°-90°	0.2	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°	1694.6	79.1
0°-40°	2058.1	96.0
0°-60°	2137.9	99.8
0°-90°	2143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2143.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2815	
5°	2900	277
15°	2558	705
25°	1565	713
35°	535	363
45°	77	71
55°	9	9
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2814.7
2.5°	2840.7
5°	2899.5
7.5°	2933.2
10°	2895.4
12.5°	2768.2
15°	2558.2
17.5°	2310.4
20°	2068.2
22.5°	1817.4
25°	1565.0
27.5°	1313.6
30°	1094.4
32.5°	824.6
35°	534.9
37.5°	358.2
40°	237.6
42.5°	149.2
45°	77.1
47.5°	27.6
50°	15.8
52.5°	11.8
55°	9.2
57.5°	7.2
60°	5.6
62.5°	4.6
65°	3.6
67.5°	2.6
70°	2.0
72.5°	1.5
75°	1.0
77.5°	1.0
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)