

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: P858130

Luminaire Tested: **LX4C45D010 EX4C459030 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P858130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C45D010 EX4C459030 4LBMLI
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

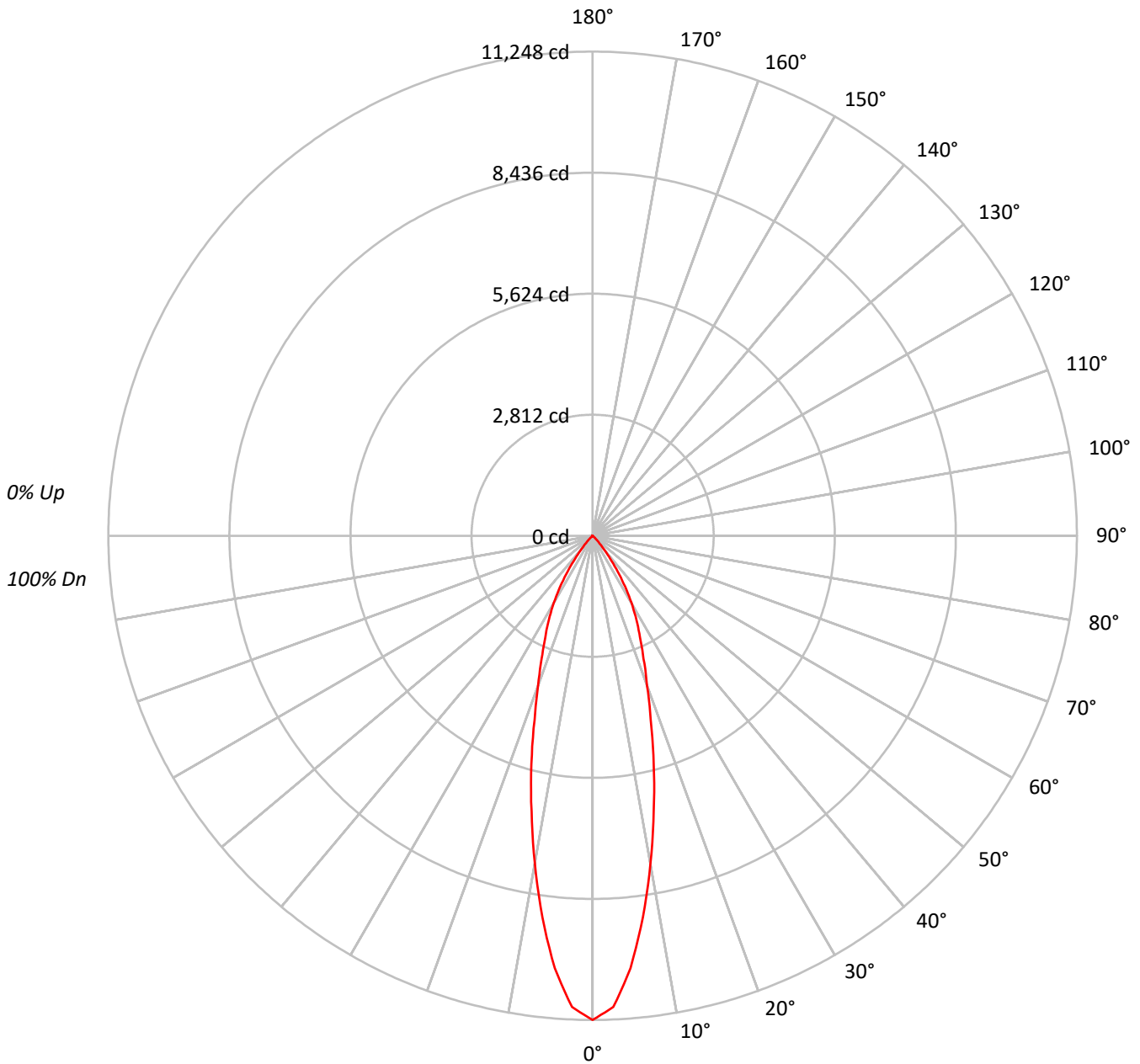
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4371.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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				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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90				90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85				85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81				81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77				77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73				73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69				69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66				66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63				63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61				61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1381905
5°	1243574
10°	964045
15°	697775
20°	483142
25°	352223
30°	255928
35°	151446
40°	63700
45°	19859
50°	2580
55°	1435
60°	1646
65°	1948
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	886.4	20.3
10°-20°	1517.6	34.7
20°-30°	1206.1	27.6
30°-40°	638.5	14.6
40°-50°	110.0	2.5
50°-60°	8.2	0.2
60°-70°	4.1	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	3610.2	82.6
0°-40°	4248.6	97.2
0°-60°	4366.9	99.9
0°-90°	4371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4371.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11248	
5°	10084	886
15°	5486	1518
25°	2598	1206
35°	1010	638
45°	114	110
55°	7	8
65°	7	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11248.4
2.5°	10958.8
5°	10083.9
7.5°	8939.6
10°	7727.9
12.5°	6556.6
15°	5486.2
17.5°	4489.9
20°	3695.5
22.5°	3089.7
25°	2598.4
27.5°	2201.3
30°	1804.1
32.5°	1400.2
35°	1009.8
37.5°	666.5
40°	397.2
42.5°	228.9
45°	114.3
47.5°	40.5
50°	13.5
52.5°	13.5
55°	6.7
57.5°	6.7
60°	6.7
62.5°	6.7
65°	6.7
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)