

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: P859001

Luminaire Tested: **LX4C50D010 EX4C509035 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P859001
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: LX4C50D010 EX4C509035 4LBMLI
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

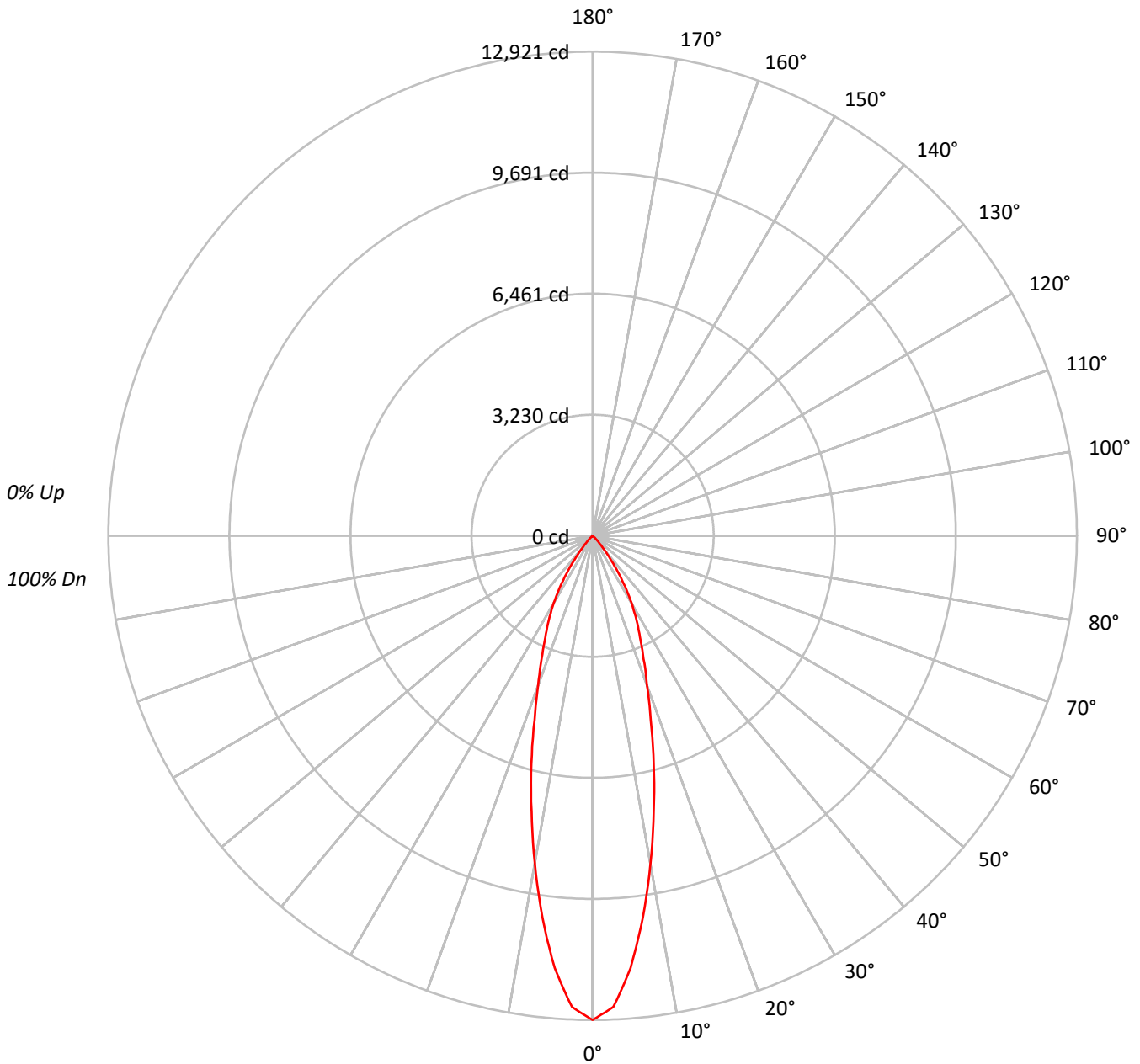
Lumens per Lamp: N/A
Luminaire Lumens: 5021.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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		0	
RW	70	50	30	10	70	50	30	10	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	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90		
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85		
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81		
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77		
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73		
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69		
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66		
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63		
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1587414
5°	1428509
10°	1107407
15°	801534
20°	554996
25°	404601
30°	293989
35°	173958
40°	73163
45°	22812
50°	2962
55°	1649
60°	1892
65°	2238
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1018.3	20.3
10°-20°	1743.3	34.7
20°-30°	1385.5	27.6
30°-40°	733.4	14.6
40°-50°	126.4	2.5
50°-60°	9.4	0.2
60°-70°	4.7	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°	4147.0	82.6
0°-40°	4880.4	97.2
0°-60°	5016.2	99.9
0°-90°	5021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5021.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12921	
5°	11584	###
15°	6302	1743
25°	2985	1385
35°	1160	733
45°	131	126
55°	8	9
65°	8	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12921.2
2.5°	12588.5
5°	11583.5
7.5°	10269.0
10°	8877.1
12.5°	7531.6
15°	6302.0
17.5°	5157.6
20°	4245.1
22.5°	3549.1
25°	2984.8
27.5°	2528.6
30°	2072.4
32.5°	1608.4
35°	1159.9
37.5°	765.7
40°	456.2
42.5°	263.0
45°	131.3
47.5°	46.5
50°	15.5
52.5°	15.5
55°	7.7
57.5°	7.7
60°	7.7
62.5°	7.7
65°	7.7
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)