

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: P859040

Luminaire Tested: **LX4C50D010 EX4C509050 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C50D010 EX4C509050 4LBMDH
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

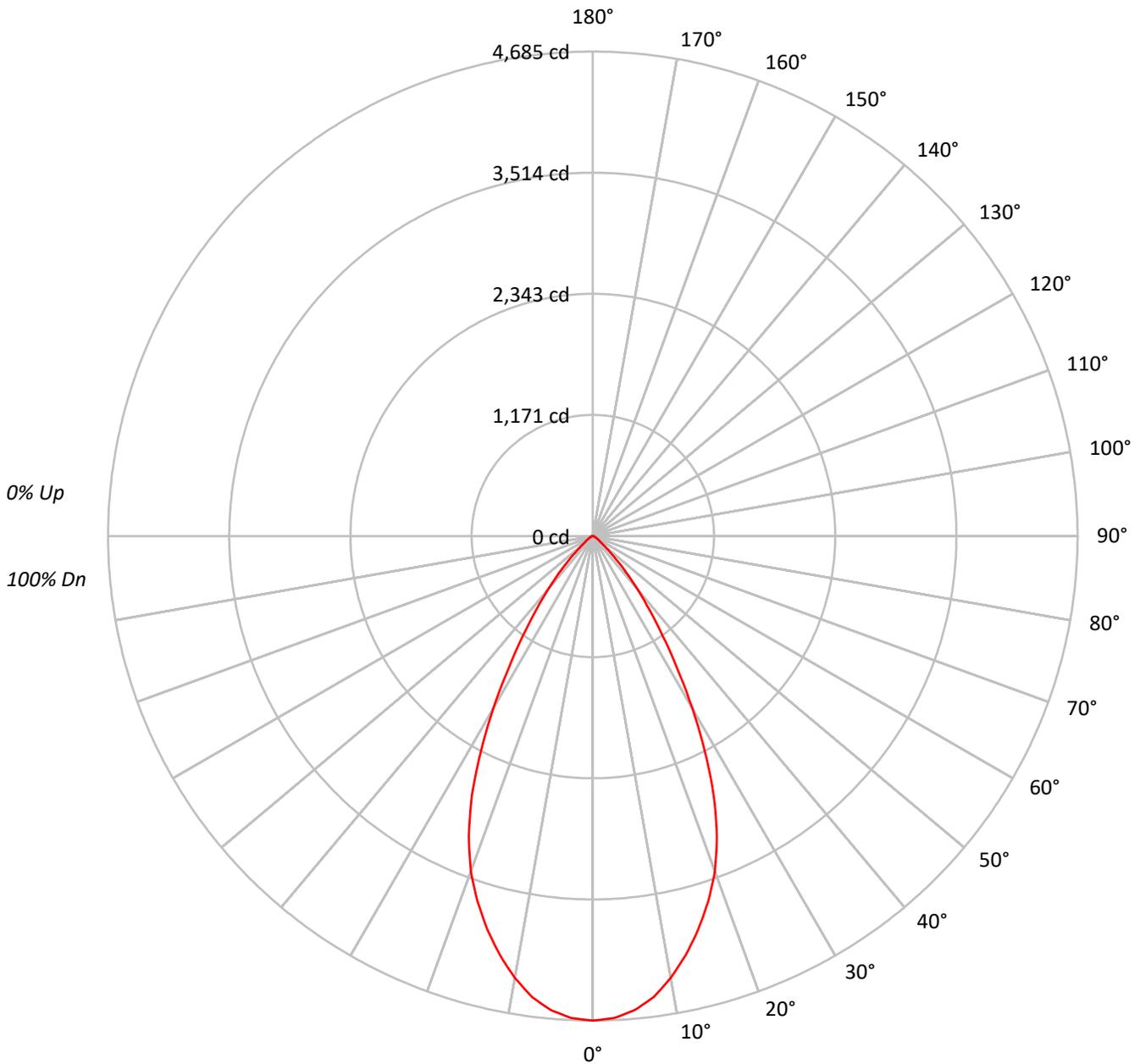
Lumens per Lamp: N/A
Luminaire Lumens: 3889.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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	
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	575581
5°	567815
10°	541172
15°	500774
20°	450797
25°	374508
30°	272242
35°	176477
40°	106793
45°	55041
50°	24923
55°	14993
60°	10049
65°	7209
70°	5424
75°	3560
80°	2264
85°	1551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.0	11.1
10°-20°	1098.7	28.3
20°-30°	1242.4	31.9
30°-40°	750.8	19.3
40°-50°	263.0	6.8
50°-60°	67.3	1.7
60°-70°	25.8	0.7
70°-80°	8.6	0.2
80°-90°	1.3	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°	2772.1	71.3
0°-40°	3523.0	90.6
0°-60°	3853.2	99.1
0°-90°	3889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3889.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4685	
5°	4604	431
15°	3937	1099
25°	2763	1242
35°	1177	751
45°	317	263
55°	70	67
65°	25	26
75°	8	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4685.1
2.5°	4665.7
5°	4604.3
7.5°	4495.5
10°	4338.1
12.5°	4148.5
15°	3937.3
17.5°	3705.6
20°	3448.1
22.5°	3132.4
25°	2762.8
27.5°	2339.3
30°	1919.1
32.5°	1517.2
35°	1176.7
37.5°	892.2
40°	665.9
42.5°	478.4
45°	316.8
47.5°	195.0
50°	130.4
52.5°	93.7
55°	70.0
57.5°	53.9
60°	40.9
62.5°	32.3
65°	24.8
67.5°	19.4
70°	15.1
72.5°	10.8
75°	7.5
77.5°	5.4
80°	3.2
82.5°	2.2
85°	1.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)