

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: P859021

Luminaire Tested: **LX4C50D010 EX4C509040 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C50D010 EX4C509040 4LBMH
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

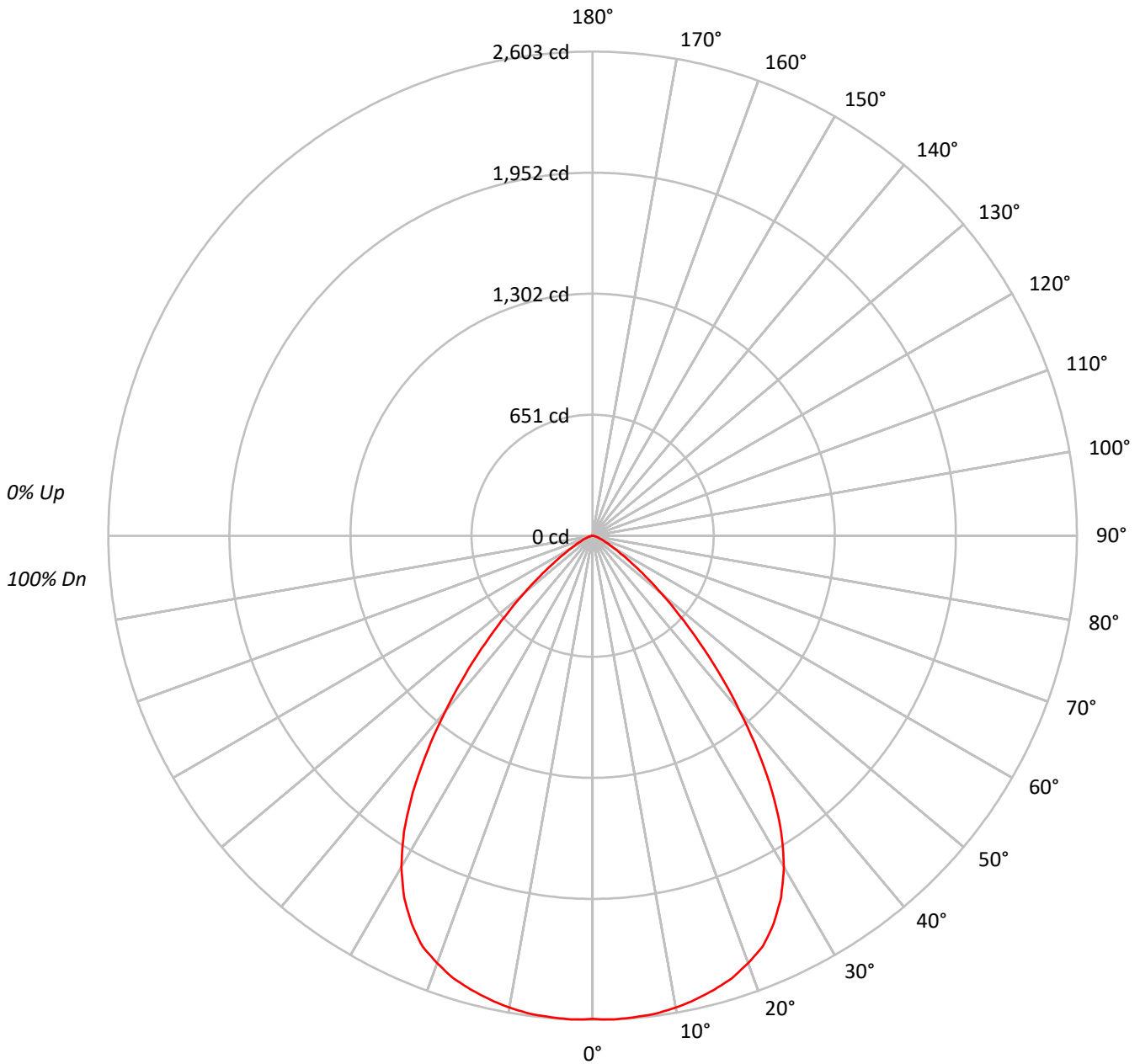
Lumens per Lamp: N/A
Luminaire Lumens: 4030.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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																	
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	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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91																											
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82																											
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74																											
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67																											
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61																											
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55																											
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50																											
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46																											
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43																											
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319124
5°	320343
10°	321315
15°	321326
20°	319563
25°	312072
30°	291690
35°	252590
40°	197324
45°	141582
50°	91970
55°	55046
60°	32212
65°	20698
70°	13757
75°	10395
80°	7712
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.4	6.1
10°-20°	712.8	17.7
20°-30°	1051.8	26.1
30°-40°	1037.9	25.8
40°-50°	635.2	15.8
50°-60°	243.5	6.0
60°-70°	76.1	1.9
70°-80°	22.3	0.6
80°-90°	3.0	0.1
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°	2011.9	49.9
0°-40°	3049.9	75.7
0°-60°	3928.6	97.5
0°-90°	4030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4030.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2598	
5°	2598	247
15°	2526	713
25°	2302	1052
35°	1684	1038
45°	815	635
55°	257	243
65°	71	76
75°	22	22
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2597.6
2.5°	2603.0
5°	2597.6
7.5°	2592.1
10°	2575.7
12.5°	2553.8
15°	2526.4
17.5°	2493.6
20°	2444.3
22.5°	2389.8
25°	2302.2
27.5°	2192.8
30°	2056.2
32.5°	1886.7
35°	1684.2
37.5°	1460.0
40°	1230.4
42.5°	1017.1
45°	814.9
47.5°	634.2
50°	481.2
52.5°	355.5
55°	257.0
57.5°	180.4
60°	131.1
62.5°	98.5
65°	71.2
67.5°	54.7
70°	38.3
72.5°	27.4
75°	21.9
77.5°	10.9
80°	10.9
82.5°	5.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)