

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: P859029

Luminaire Tested: **LX4C50D010 EX4C509040 4LBWLI**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208077)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C50D010 EX4C509040 4LBWLI
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

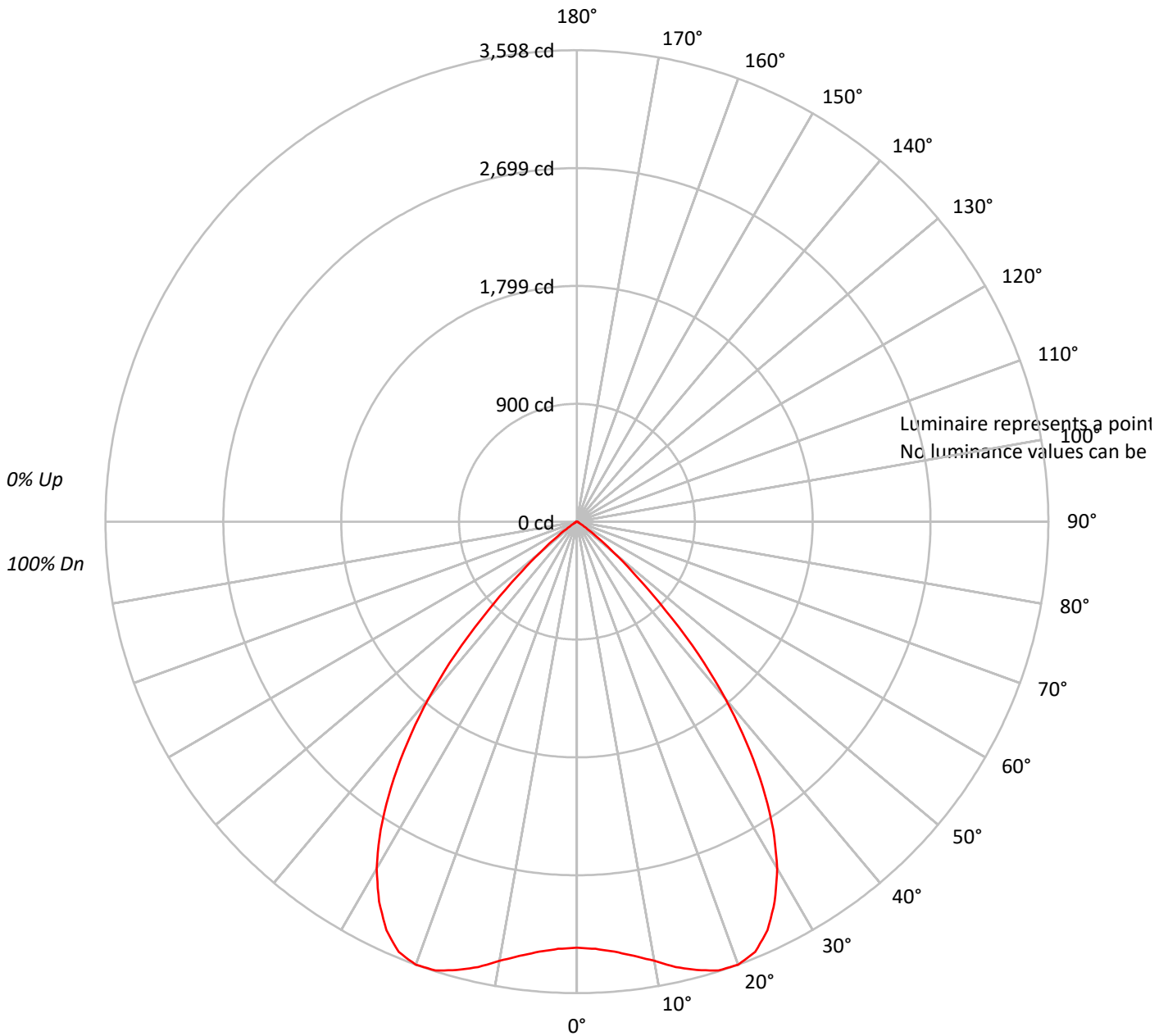
Lumens per Lamp: N/A
Luminaire Lumens: 5306.0 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																											
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																											
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77																											
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70																											
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64																											
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58																											
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54																											
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49																											
9	69	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45																											
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42																											

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.9	6.0
10°-20°	1003.3	18.9
20°-30°	1565.2	29.5
30°-40°	1522.9	28.7
40°-50°	760.7	14.3
50°-60°	117.7	2.2
60°-70°	14.3	0.3
70°-80°	4.0	0.1
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°	2886.4	54.4
0°-40°	4409.3	83.1
0°-60°	5287.7	99.7
0°-90°	5306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3251	
5°	3294	318
15°	3543	1003
25°	3440	1565
35°	2473	1523
45°	954	761
55°	97	118
65°	12	14
75°	6	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3251.0
2.5°	3263.1
5°	3293.5
7.5°	3342.2
10°	3403.1
12.5°	3481.9
15°	3542.7
17.5°	3591.4
20°	3597.5
22.5°	3554.9
25°	3439.6
27.5°	3269.2
30°	3056.5
32.5°	2789.4
35°	2473.3
37.5°	2126.7
40°	1762.2
42.5°	1373.4
45°	954.1
47.5°	613.7
50°	370.6
52.5°	200.5
55°	97.3
57.5°	42.6
60°	24.3
62.5°	18.3
65°	12.2
67.5°	12.2
70°	6.1
72.5°	6.1
75°	6.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)