

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: P859529

Luminaire Tested: **LX4C70D010 EX4C709050 4LBSLI**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P859529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C70D010 EX4C709050 4LBSLI
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

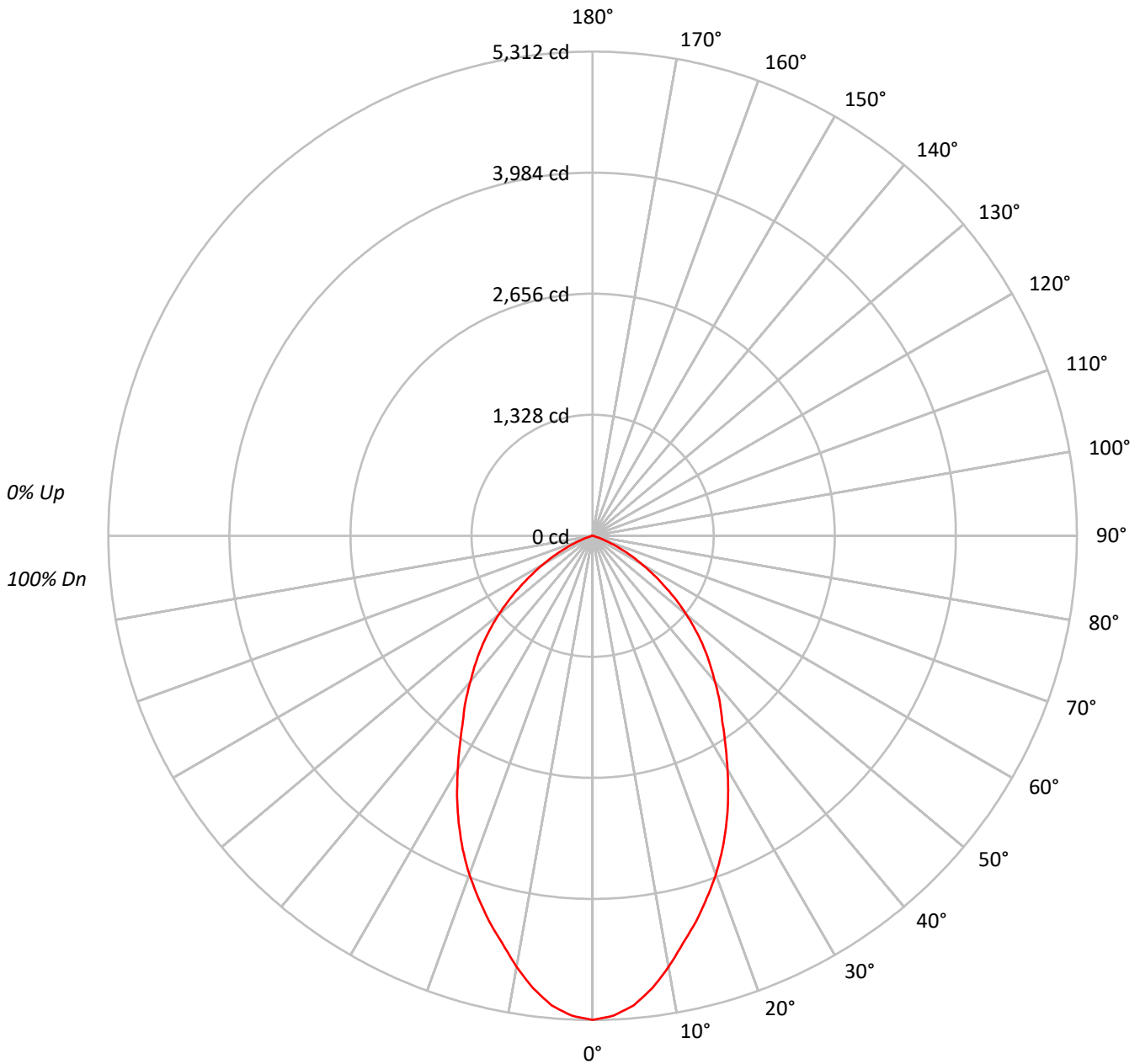
Lumens per Lamp: N/A
Luminaire Lumens: 7439.0 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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																	
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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																											
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80																											
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71																											
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63																											
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57																											
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51																											
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																											
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42																											
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39																											
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	652561
5°	637776
10°	598931
15°	557220
20°	516794
25°	471090
30°	419406
35°	371747
40°	334123
45°	299043
50°	256549
55°	206371
60°	153763
65°	98168
70°	47307
75°	7832
80°	5801
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.6	6.5
10°-20°	1228.3	16.5
20°-30°	1591.7	21.4
30°-40°	1559.6	21.0
40°-50°	1321.9	17.8
50°-60°	866.6	11.6
60°-70°	348.3	4.7
70°-80°	39.8	0.5
80°-90°	1.1	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°	3301.7	44.4
0°-40°	4861.3	65.3
0°-60°	7049.7	94.8
0°-90°	7439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7439.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5312	
5°	5172	482
15°	4381	1228
25°	3475	1592
35°	2479	1560
45°	1721	1322
55°	964	867
65°	338	348
75°	16	40
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5311.7
2.5°	5270.5
5°	5171.6
7.5°	5006.9
10°	4801.1
12.5°	4578.7
15°	4381.1
17.5°	4167.1
20°	3952.9
22.5°	3722.4
25°	3475.3
27.5°	3219.9
30°	2956.5
32.5°	2709.4
35°	2478.7
37.5°	2289.4
40°	2083.4
42.5°	1902.3
45°	1721.2
47.5°	1531.7
50°	1342.3
52.5°	1153.0
55°	963.5
57.5°	790.6
60°	625.8
62.5°	477.6
65°	337.7
67.5°	222.4
70°	131.7
72.5°	57.6
75°	16.5
77.5°	8.2
80°	8.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)