

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: P859531

Luminaire Tested: **LX4C70D010 EX4C709050 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859531
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: LX4C70D010 EX4C709050 4LBWH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

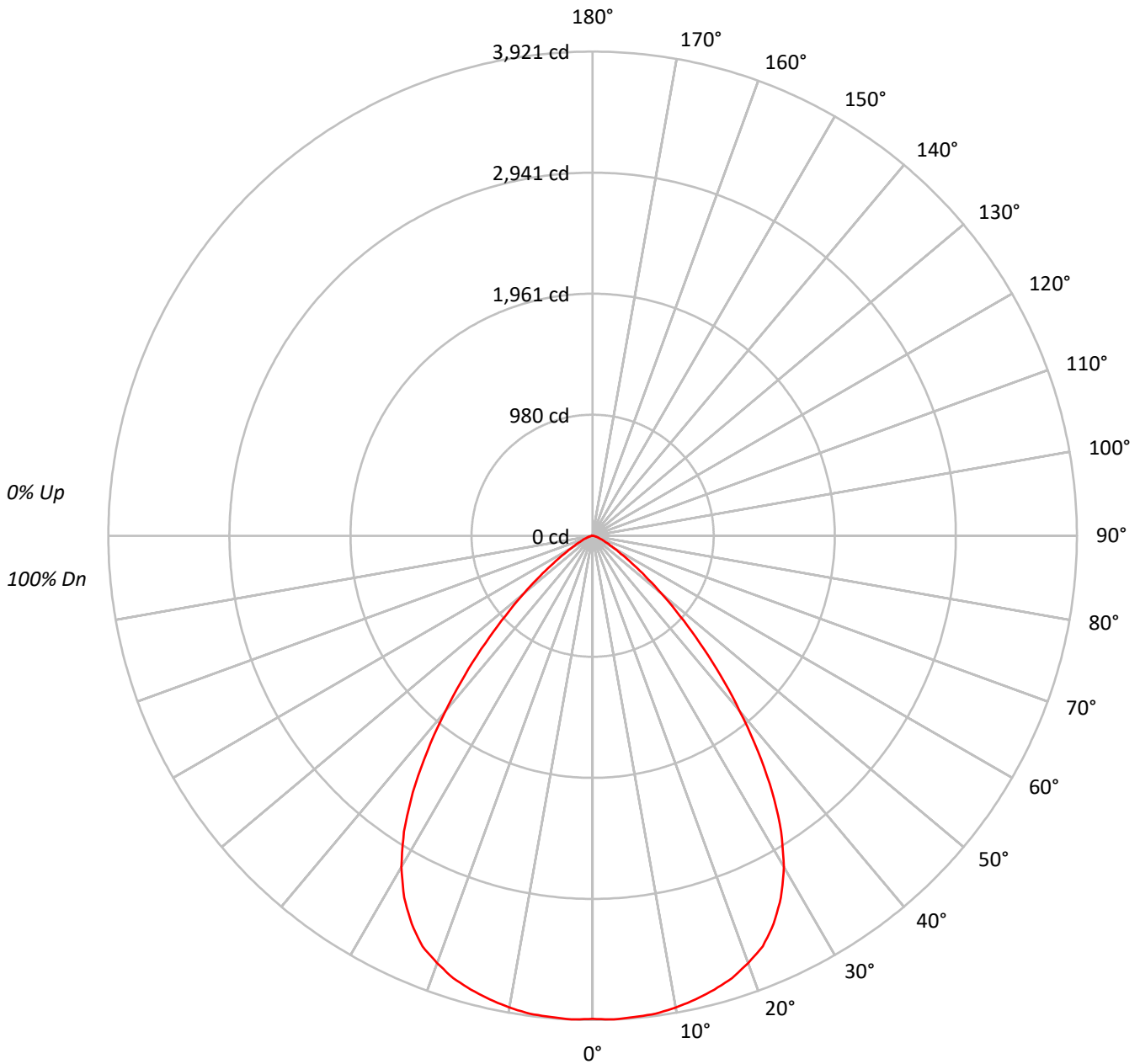
Lumens per Lamp: N/A
Luminaire Lumens: 6070.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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

TEST NUMBER: P859531

CATALOG NUMBER: LX4C70D010 EX4C709050 4LBWH

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	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°	480664
5°	482500
10°	483963
15°	483986
20°	481325
25°	470046
30°	439337
35°	380445
40°	297205
45°	213232
50°	138528
55°	82912
60°	48527
65°	31163
70°	20726
75°	15664
80°	11674
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.6	6.1
10°-20°	1073.6	17.7
20°-30°	1584.2	26.1
30°-40°	1563.4	25.8
40°-50°	956.7	15.8
50°-60°	366.8	6.0
60°-70°	114.7	1.9
70°-80°	33.6	0.6
80°-90°	4.5	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°	3030.4	49.9
0°-40°	4593.7	75.7
0°-60°	5917.2	97.5
0°-90°	6070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6070.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3912	
5°	3912	373
15°	3805	1074
25°	3468	1584
35°	2537	1563
45°	1227	957
55°	387	367
65°	107	115
75°	33	34
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3912.5
2.5°	3920.7
5°	3912.5
7.5°	3904.2
10°	3879.5
12.5°	3846.5
15°	3805.3
17.5°	3755.8
20°	3681.6
22.5°	3599.6
25°	3467.6
27.5°	3302.7
30°	3097.0
32.5°	2841.8
35°	2536.7
37.5°	2199.1
40°	1853.2
42.5°	1532.0
45°	1227.3
47.5°	955.3
50°	724.8
52.5°	535.5
55°	387.1
57.5°	271.7
60°	197.5
62.5°	148.4
65°	107.2
67.5°	82.4
70°	57.7
72.5°	41.2
75°	33.0
77.5°	16.5
80°	16.5
82.5°	8.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)