

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: P859524

Luminaire Tested: **LX4C70D010 EX4C709050 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859524
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 4LBMH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

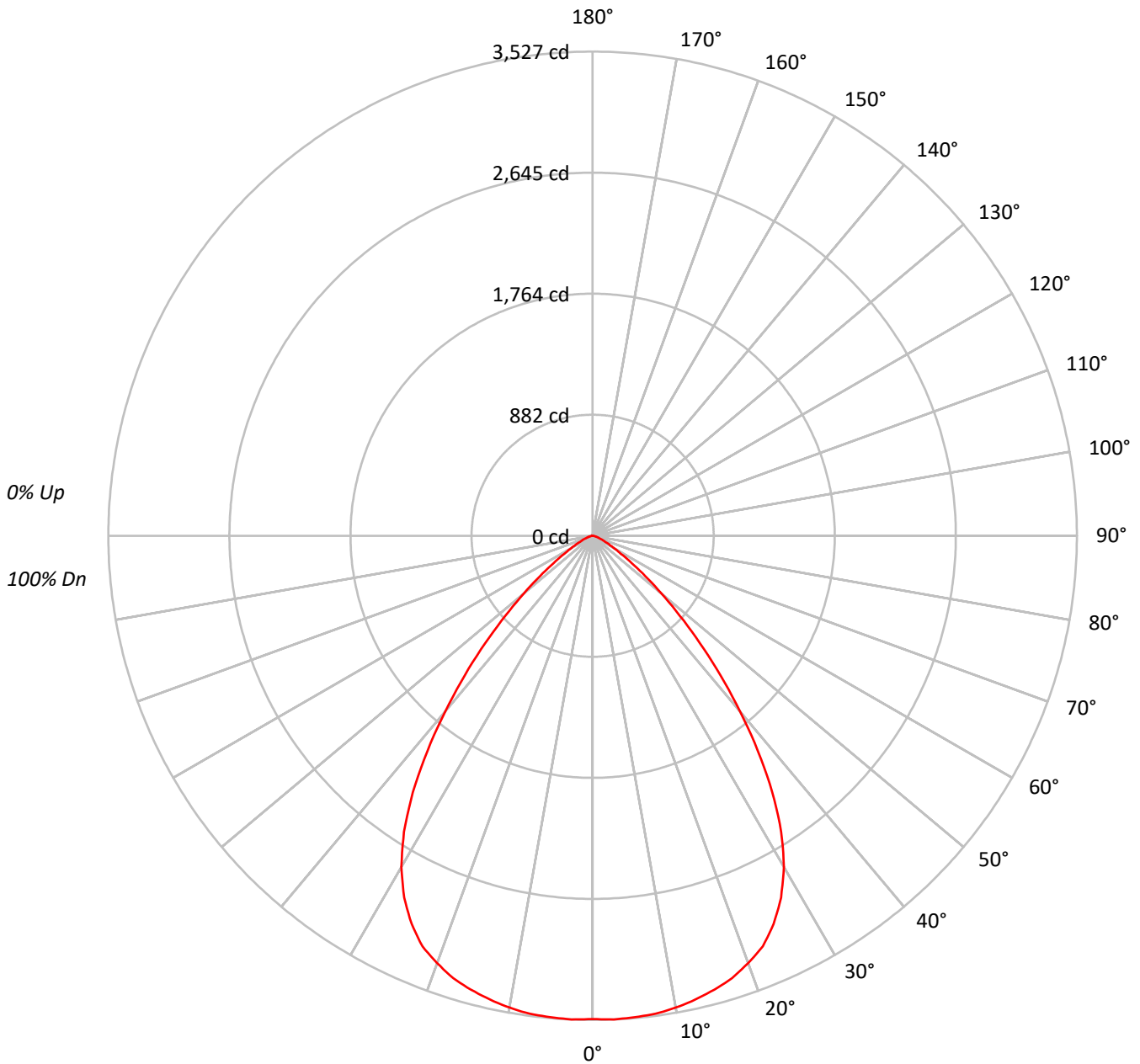
Lumens per Lamp: N/A
Luminaire Lumens: 5461.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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									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	100	100	100	100	100	100	100	100	100	100																
	1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91	91	91	91	91	91	91	91																
	2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	82	82	82	82	82	82	82	82	82	82																
	3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74	74	74	74	74	74	74	74																
	4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67	67	67	67	67	67	67	67	67	67	67																
	5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61	61	61	61	61	61	61	61	61	61	61																
	6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55	55	55	55	55	55	55	55	55	55																
	7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50	50	50	50	50	50	50	50	50	50	50																
	8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46	46	46	46	46	46	46	46	46	46	46																
	9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43	43	43	43	43	43	43	43	43	43	43																
	10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39	39	39	39	39	39	39	39	39	39	39																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	432432
5°	434084
10°	435410
15°	435426
20°	433043
25°	422887
30°	395262
35°	342276
40°	267391
45°	191845
50°	124633
55°	74602
60°	43662
65°	28023
70°	18642
75°	14098
80°	10471
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.2	6.1
10°-20°	965.9	17.7
20°-30°	1425.3	26.1
30°-40°	1406.5	25.8
40°-50°	860.7	15.8
50°-60°	330.0	6.0
60°-70°	103.2	1.9
70°-80°	30.2	0.6
80°-90°	4.0	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°	2726.3	49.9
0°-40°	4132.8	75.7
0°-60°	5323.5	97.5
0°-90°	5461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5461.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3520	
5°	3520	335
15°	3424	966
25°	3120	1425
35°	2282	1407
45°	1104	861
55°	348	330
65°	96	103
75°	30	30
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3519.9
2.5°	3527.4
5°	3519.9
7.5°	3512.5
10°	3490.3
12.5°	3460.6
15°	3423.5
17.5°	3379.0
20°	3312.3
22.5°	3238.4
25°	3119.7
27.5°	2971.4
30°	2786.3
32.5°	2556.7
35°	2282.2
37.5°	1978.4
40°	1667.3
42.5°	1378.3
45°	1104.2
47.5°	859.4
50°	652.1
52.5°	481.8
55°	348.3
57.5°	244.4
60°	177.7
62.5°	133.5
65°	96.4
67.5°	74.2
70°	51.9
72.5°	37.1
75°	29.7
77.5°	14.8
80°	14.8
82.5°	7.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)