

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: P859463

Luminaire Tested: **LX4C70D010 EX4C709030 4LBNH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C70D010 EX4C709030 4LBNH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

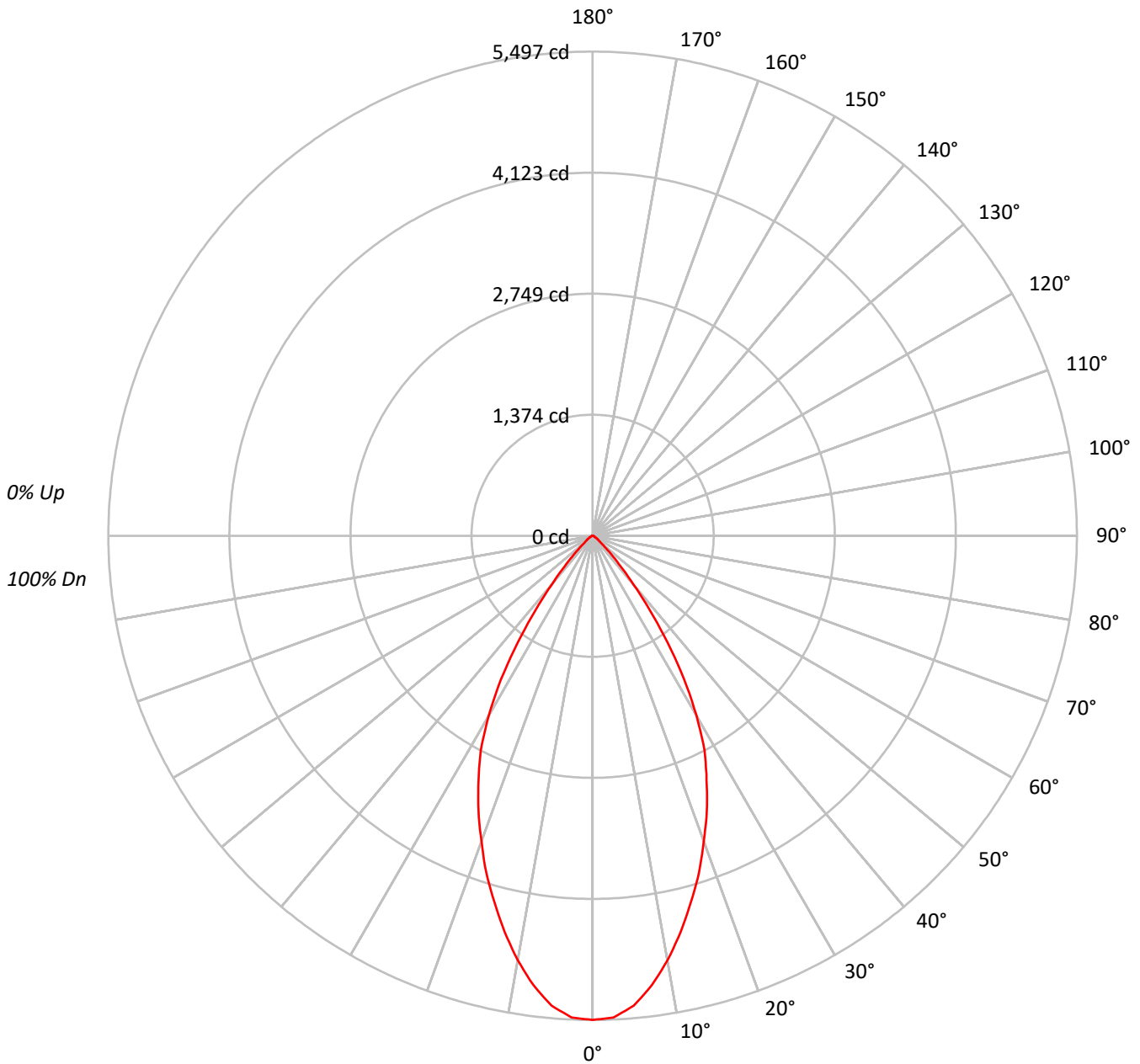
Lumens per Lamp: N/A
Luminaire Lumens: 4378.1 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	93																
	2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87	87	87	87	87	87	87	87	87	87	87																
	3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	81	81	81	81	81	81	81	81	81	81																
	4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75	75	75	75	75	75	75	75	75	75	75																
	5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70	70	70	70	70	70	70	70	70	70	70																
	6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65	65	65	65	65	65	65	65	65	65	65																
	7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61	61	61	61	61	61	61	61	61	61	61																
	8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58	58	58	58	58	58	58	58	58	58	58																
	9	76	66	60	56	74	65	60	56	65	59	56	64	59	56	63	59	55	54	54	54	54	54	54	54	54	54	54	54																
	10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51	51	51	51	51	51	51	51	51	51	51																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	675301
5°	660270
10°	610483
15°	547796
20°	482214
25°	414998
30°	334191
35°	222475
40°	115726
45°	52383
50°	22725
55°	15250
60°	9779
65°	6948
70°	5711
75°	3797
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.9	11.3
10°-20°	1203.0	27.5
20°-30°	1396.7	31.9
30°-40°	924.9	21.1
40°-50°	259.4	5.9
50°-60°	65.2	1.5
60°-70°	24.5	0.6
70°-80°	8.4	0.2
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°	3095.6	70.7
0°-40°	4020.5	91.8
0°-60°	4345.1	99.2
0°-90°	4378.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4378.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5497	
5°	5354	496
15°	4307	1203
25°	3062	1397
35°	1483	925
45°	302	259
55°	71	65
65°	24	25
75°	8	8
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5496.8
2.5°	5472.9
5°	5354.0
7.5°	5147.5
10°	4893.7
12.5°	4608.1
15°	4307.0
17.5°	4013.4
20°	3688.4
22.5°	3386.9
25°	3061.5
27.5°	2752.4
30°	2355.8
32.5°	1935.3
35°	1483.4
37.5°	1062.9
40°	721.6
42.5°	467.8
45°	301.5
47.5°	182.6
50°	118.9
52.5°	87.1
55°	71.2
57.5°	55.7
60°	39.8
62.5°	31.8
65°	23.9
67.5°	15.9
70°	15.9
72.5°	8.0
75°	8.0
77.5°	8.0
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)