

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: P859461

Luminaire Tested: **LX4C70D010 EX4C709030 4LBMH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859461
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 EX4C709030 4LBMH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

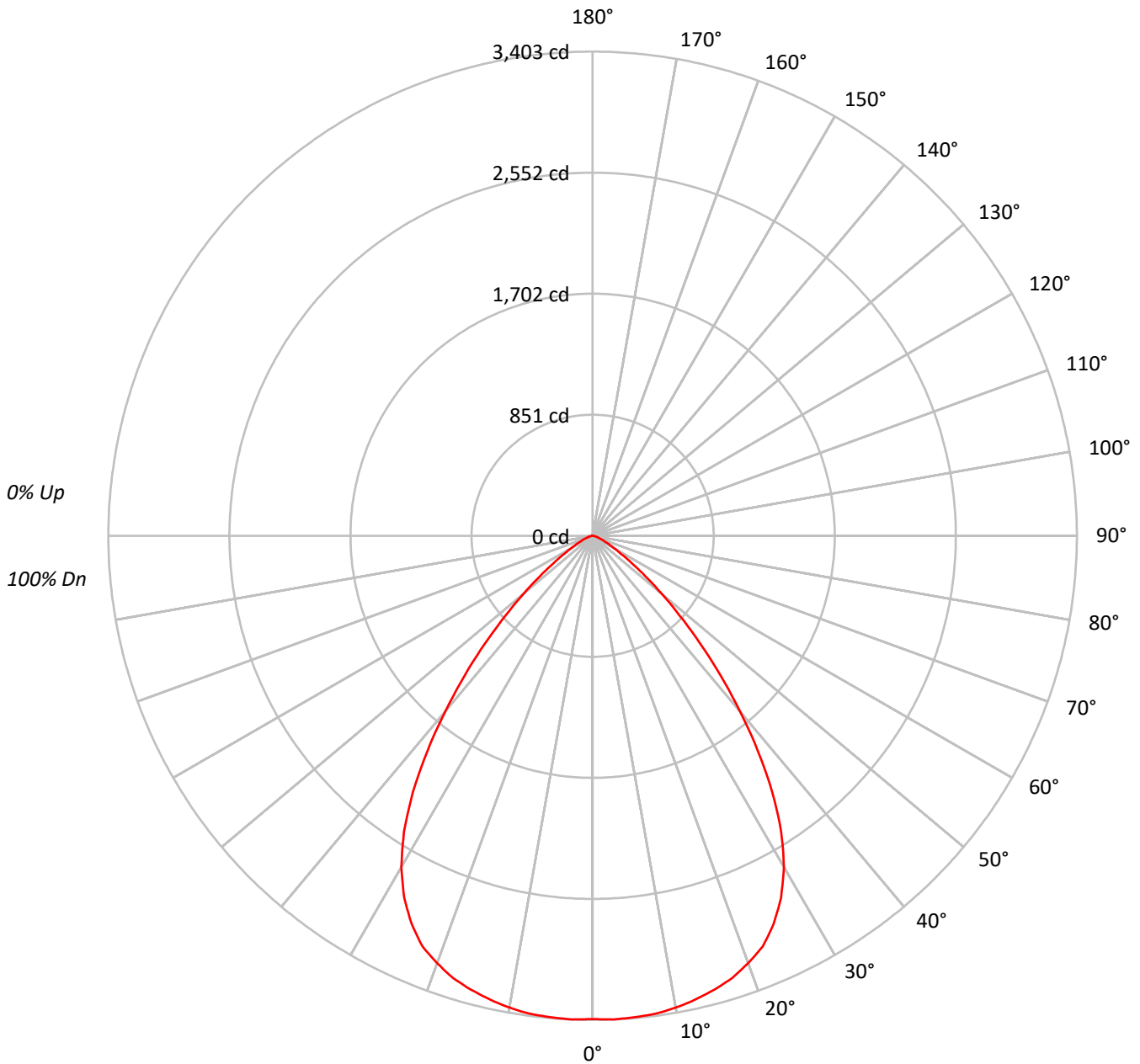
Lumens per Lamp: N/A
Luminaire Lumens: 5269.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V):
Input Current (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				20				
RC	80				70				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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	417235
5°	418829
10°	420104
15°	420112
20°	417812
25°	408017
30°	381359
35°	330248
40°	257977
45°	185104
50°	120237
55°	71967
60°	42114
65°	27035
70°	17996
75°	13576
80°	10117
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.4	6.1
10°-20°	931.9	17.7
20°-30°	1375.2	26.1
30°-40°	1357.1	25.8
40°-50°	830.5	15.8
50°-60°	318.4	6.0
60°-70°	99.5	1.9
70°-80°	29.2	0.6
80°-90°	3.9	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°	2630.5	49.9
0°-40°	3987.5	75.7
0°-60°	5136.3	97.5
0°-90°	5269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5269.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3396	
5°	3396	323
15°	3303	932
25°	3010	1375
35°	2202	1357
45°	1065	830
55°	336	318
65°	93	100
75°	29	29
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3396.2
2.5°	3403.3
5°	3396.2
7.5°	3389.0
10°	3367.6
12.5°	3338.9
15°	3303.1
17.5°	3260.2
20°	3195.8
22.5°	3124.6
25°	3010.0
27.5°	2866.9
30°	2688.3
32.5°	2466.8
35°	2202.0
37.5°	1908.9
40°	1608.6
42.5°	1329.8
45°	1065.4
47.5°	829.2
50°	629.1
52.5°	464.9
55°	336.0
57.5°	235.8
60°	171.4
62.5°	128.8
65°	93.0
67.5°	71.6
70°	50.1
72.5°	35.8
75°	28.6
77.5°	14.3
80°	14.3
82.5°	7.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)