

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: P859438

Luminaire Tested: **LX4C70D010 EX4C709027 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C70D010 EX4C709027 4LBMDH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

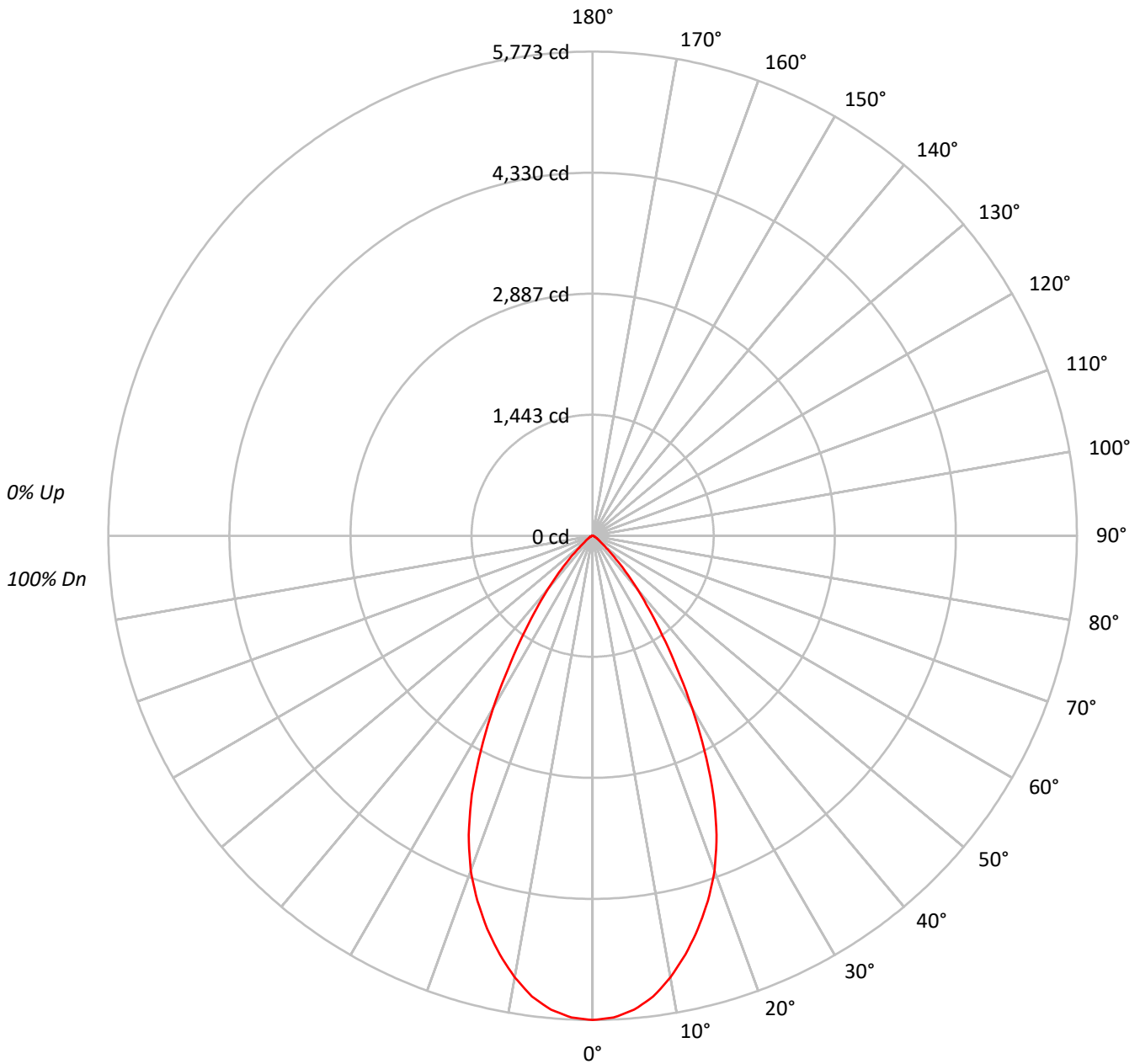
Lumens per Lamp: N/A
Luminaire Lumens: 4792.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	709233
5°	699659
10°	666832
15°	617049
20°	555466
25°	461466
30°	335454
35°	217451
40°	131587
45°	67829
50°	30714
55°	18484
60°	12408
65°	8866
70°	6681
75°	4414
80°	2830
85°	1832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.1	11.1
10°-20°	1353.8	28.3
20°-30°	1530.9	31.9
30°-40°	925.2	19.3
40°-50°	324.1	6.8
50°-60°	82.9	1.7
60°-70°	31.7	0.7
70°-80°	10.7	0.2
80°-90°	1.6	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°	3415.8	71.3
0°-40°	4341.0	90.6
0°-60°	4748.0	99.1
0°-90°	4792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4792.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5773	
5°	5673	531
15°	4852	1354
25°	3404	1531
35°	1450	925
45°	390	324
55°	86	83
65°	30	32
75°	9	11
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5773.0
2.5°	5749.1
5°	5673.4
7.5°	5539.3
10°	5345.4
12.5°	5111.8
15°	4851.5
17.5°	4566.1
20°	4248.7
22.5°	3859.7
25°	3404.3
27.5°	2882.5
30°	2364.7
32.5°	1869.4
35°	1449.9
37.5°	1099.4
40°	820.5
42.5°	589.5
45°	390.4
47.5°	240.3
50°	160.7
52.5°	115.5
55°	86.3
57.5°	66.4
60°	50.5
62.5°	39.8
65°	30.5
67.5°	23.9
70°	18.6
72.5°	13.3
75°	9.3
77.5°	6.6
80°	4.0
82.5°	2.7
85°	1.3
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)