

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: P859480

Luminaire Tested: **LX4C70D010 EX4C709035 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859480
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 EX4C709035 4LBMDH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

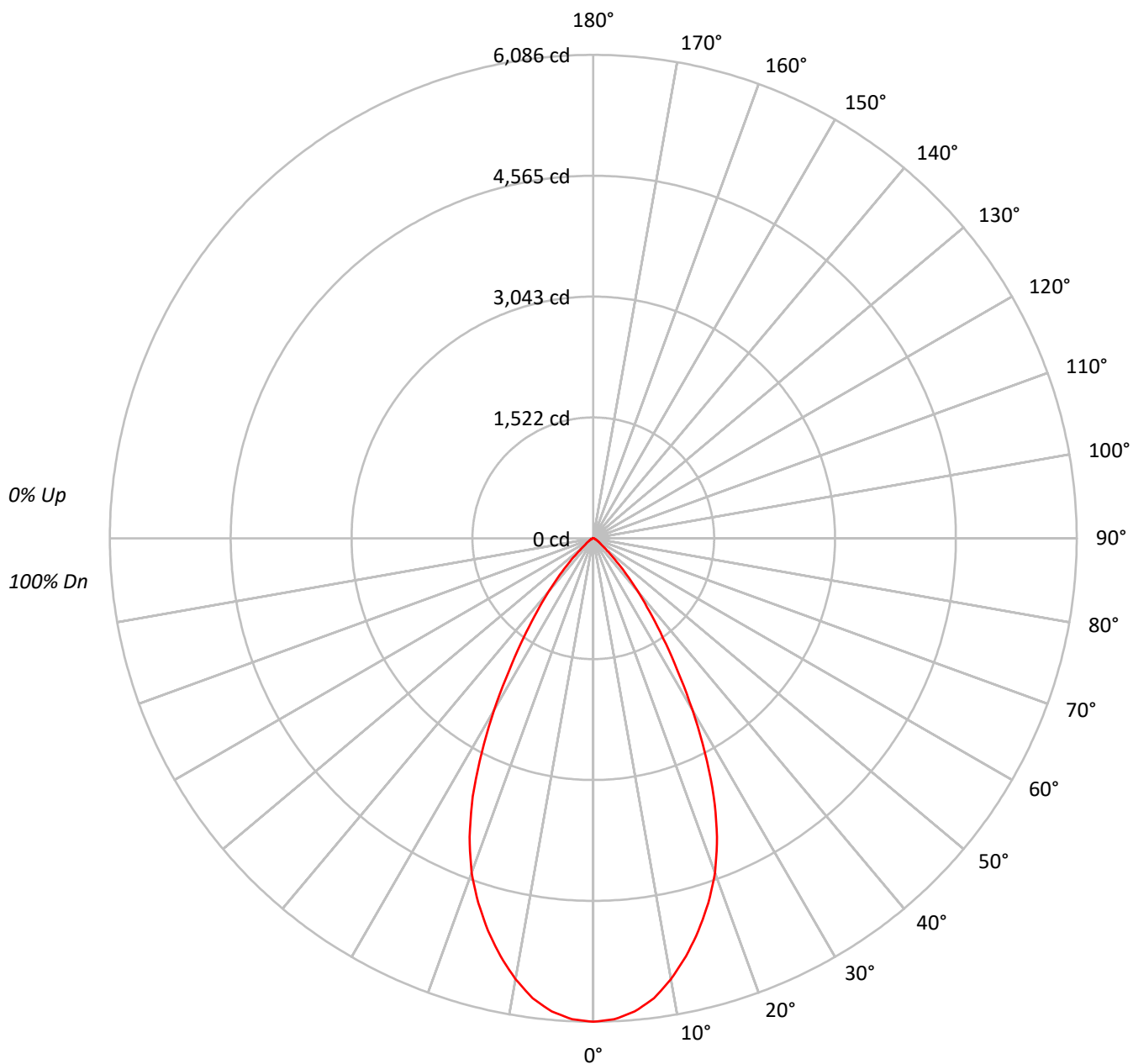
Lumens per Lamp: N/A
Luminaire Lumens: 5052.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
Input Voltage (V):
Input Current (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				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70
8	79	70	64	60	78	69	63	60	68	63	59		67	62	59		66
9	76	66	60	56	74	65	60	56	64	59	56		64	59	56		63
10	72	62	57	53	71	62	56	53	61	56	53		60	56	52		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	747711
5°	737618
10°	703021
15°	650525
20°	585614
25°	486503
30°	353654
35°	229239
40°	138739
45°	71494
50°	32377
55°	19491
60°	13072
65°	9360
70°	7040
75°	4652
80°	2971
85°	1973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.9	11.1
10°-20°	1427.3	28.3
20°-30°	1613.9	31.9
30°-40°	975.4	19.3
40°-50°	341.7	6.8
50°-60°	87.4	1.7
60°-70°	33.5	0.7
70°-80°	11.2	0.2
80°-90°	1.7	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°	3601.1	71.3
0°-40°	4576.5	90.6
0°-60°	5005.6	99.1
0°-90°	5052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5052.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6086	
5°	5981	560
15°	5115	1427
25°	3589	1614
35°	1528	975
45°	412	342
55°	91	87
65°	32	33
75°	10	11
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6086.2
2.5°	6061.0
5°	5981.2
7.5°	5839.8
10°	5635.5
12.5°	5389.1
15°	5114.7
17.5°	4813.8
20°	4479.3
22.5°	4069.1
25°	3589.0
27.5°	3038.9
30°	2493.0
32.5°	1970.9
35°	1528.5
37.5°	1159.0
40°	865.1
42.5°	621.5
45°	411.5
47.5°	253.4
50°	169.4
52.5°	121.8
55°	91.0
57.5°	70.0
60°	53.2
62.5°	42.0
65°	32.2
67.5°	25.2
70°	19.6
72.5°	14.0
75°	9.8
77.5°	7.0
80°	4.2
82.5°	2.8
85°	1.4
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)