

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: P857912

Luminaire Tested: **LX4C40D010 EX4C409030 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857912
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: LX4C40D010 EX4C409030 4LBMDH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

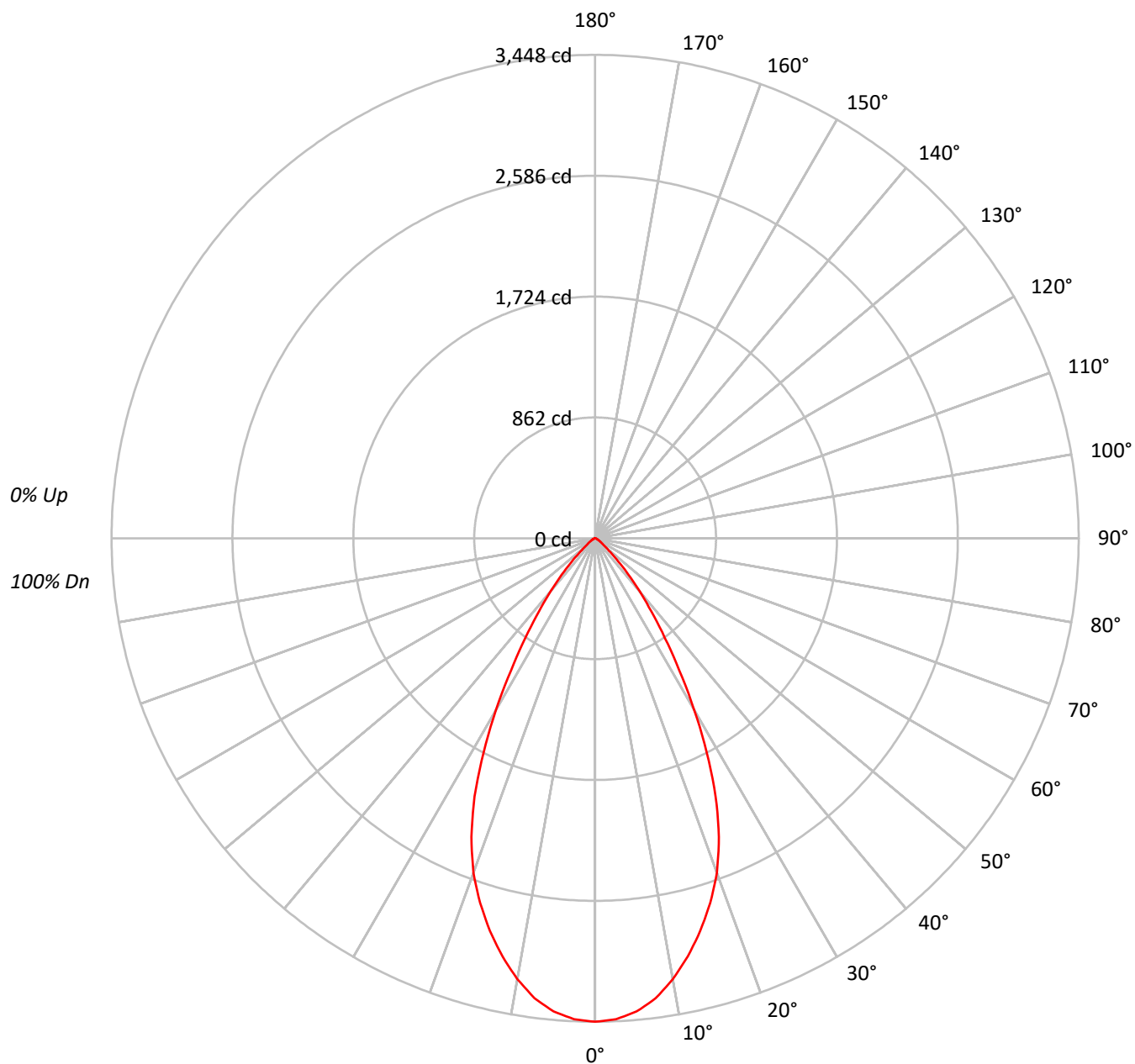
Lumens per Lamp: N/A
Luminaire Lumens: 2862.0 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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

TEST NUMBER: P857912

CATALOG NUMBER: LX4C40D010 EX4C409030 4LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P857912

CATALOG NUMBER: LX4C40D010 EX4C409030 4LBMDH

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°	423586
5°	417867
10°	398260
15°	368525
20°	331748
25°	275608
30°	200347
35°	129865
40°	78599
45°	40499
50°	18348
55°	11031
60°	7396
65°	5291
70°	3987
75°	2658
80°	1698
85°	1128



TEST NUMBER: P857912

CATALOG NUMBER: LX4C40D010 EX4C409030 4LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.2	11.1
10°-20°	808.6	28.3
20°-30°	914.3	31.9
30°-40°	552.6	19.3
40°-50°	193.5	6.8
50°-60°	49.5	1.7
60°-70°	19.0	0.7
70°-80°	6.4	0.2
80°-90°	1.0	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°	2040.1	71.3
0°-40°	2592.6	90.6
0°-60°	2835.7	99.1
0°-90°	2862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2862.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3448	
5°	3388	317
15°	2898	809
25°	2033	914
35°	866	553
45°	233	194
55°	52	50
65°	18	19
75°	6	6
85°	1	1
90°	0	



TEST NUMBER: P857912

CATALOG NUMBER: LX4C40D010 EX4C409030 4LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3447.9
2.5°	3433.6
5°	3388.4
7.5°	3308.3
10°	3192.5
12.5°	3053.0
15°	2897.5
17.5°	2727.1
20°	2537.5
22.5°	2305.2
25°	2033.2
27.5°	1721.6
30°	1412.3
32.5°	1116.5
35°	865.9
37.5°	656.6
40°	490.1
42.5°	352.1
45°	233.1
47.5°	143.5
50°	96.0
52.5°	69.0
55°	51.5
57.5°	39.6
60°	30.1
62.5°	23.8
65°	18.2
67.5°	14.3
70°	11.1
72.5°	7.9
75°	5.6
77.5°	4.0
80°	2.4
82.5°	1.6
85°	0.8
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)