

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: P859819

Luminaire Tested: **LX4C08D010 EX4C089030 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P859819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EX4C089030 4LBMLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBM TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

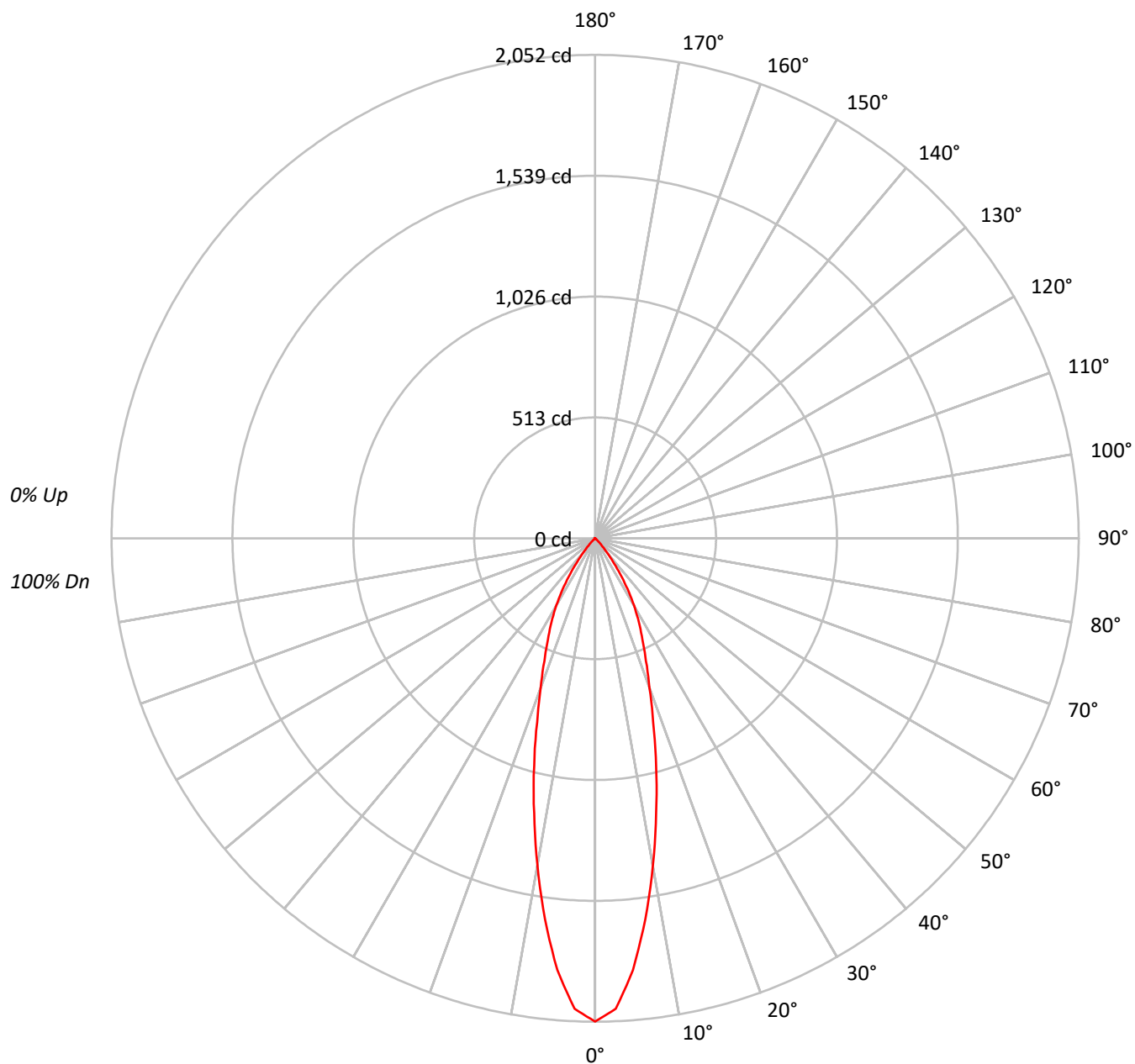
Lumens per Lamp: N/A
Luminaire Lumens: 797.1 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 10.7
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: P859819

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P859819

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBMLI

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	92	103	98	94	91	95	92	89		93	90	88		91
4	101	94	89	86	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	84	80	87	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	78	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	68	84	77	72	68	76	71	68		75	71	68		74
9	82	74	69	65	81	73	68	65	72	68	65		72	68	65		71
10	79	71	66	62	78	70	65	62	69	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	252046
5°	226815
10°	175833
15°	127264
20°	88117
25°	64239
30°	46686
35°	27626
40°	11611
45°	3631
50°	459
55°	257
60°	295
65°	349
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P859819

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	20.3
10°-20°	276.8	34.7
20°-30°	220.0	27.6
30°-40°	116.5	14.6
40°-50°	20.0	2.5
50°-60°	1.5	0.2
60°-70°	0.7	0.1
70°-80°	0.0	0.0
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°	658.4	82.6
0°-40°	774.9	97.2
0°-60°	796.4	99.9
0°-90°	797.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	797.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2052	
5°	1839	162
15°	1001	277
25°	474	220
35°	184	116
45°	21	20
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P859819

CATALOG NUMBER: LX4C08D010 EX4C089030 4LBMLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2051.6
2.5°	1998.8
5°	1839.2
7.5°	1630.5
10°	1409.5
12.5°	1195.8
15°	1000.6
17.5°	818.8
20°	674.0
22.5°	563.5
25°	473.9
27.5°	401.5
30°	329.1
32.5°	255.4
35°	184.2
37.5°	121.6
40°	72.4
42.5°	41.7
45°	20.9
47.5°	7.3
50°	2.4
52.5°	2.4
55°	1.2
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
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)