

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: P858982

Luminaire Tested: **LX4C50D010 EX4C509030 4LBNLI**

Issue Date: 1/21/2022



Test Information

Test Method: LM-79-08
Report Number: P858982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C50D010 EX4C509030 4LBNLI
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBN TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

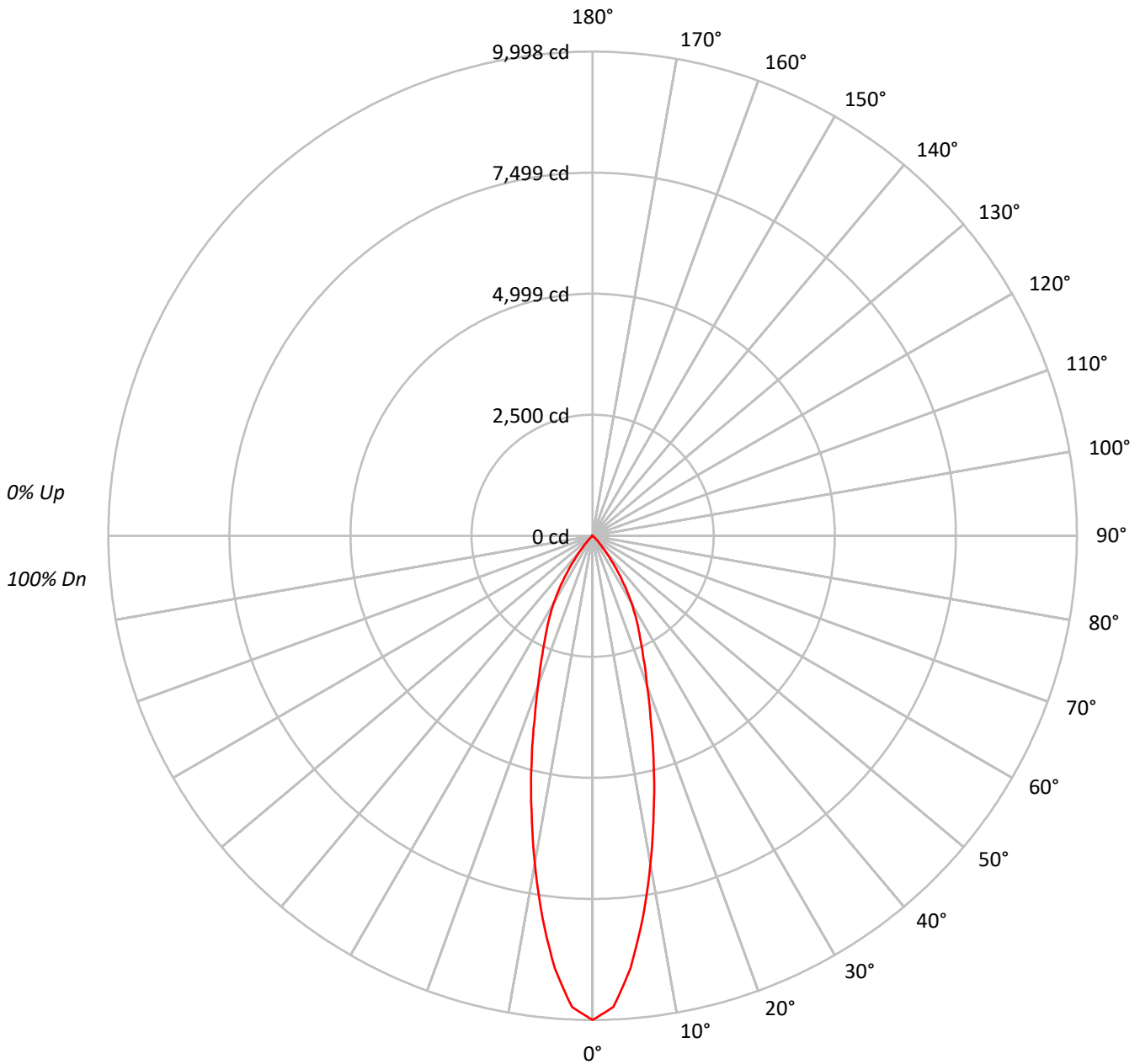
Lumens per Lamp: N/A
Luminaire Lumens: 3885.0 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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: P858982

CATALOG NUMBER: LX4C50D010 EX4C509030 4LBNLI

Luminous Intensity Polar Plot





TEST NUMBER: P858982

CATALOG NUMBER: LX4C50D010 EX4C509030 4LBNLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																											
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90																											
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85																											
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81																											
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77																											
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73																											
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69																											
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66																											
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63																											
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1228264
5°	1105305
10°	856849
15°	620191
20°	429422
25°	313062
30°	227471
35°	134604
40°	56612
45°	17652
50°	2294
55°	1285
60°	1474
65°	1744
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P858982

CATALOG NUMBER: LX4C50D010 EX4C509030 4LBNLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.9	20.3
10°-20°	1348.9	34.7
20°-30°	1072.0	27.6
30°-40°	567.5	14.6
40°-50°	97.8	2.5
50°-60°	7.3	0.2
60°-70°	3.7	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°	3208.7	82.6
0°-40°	3776.2	97.2
0°-60°	3881.4	99.9
0°-90°	3885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3885.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9998	
5°	8963	788
15°	4876	1349
25°	2310	1072
35°	898	567
45°	102	98
55°	6	7
65°	6	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P858982

CATALOG NUMBER: LX4C50D010 EX4C509030 4LBNLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	9997.8
2.5°	9740.4
5°	8962.7
7.5°	7945.6
10°	6868.6
12.5°	5827.6
15°	4876.2
17.5°	3990.7
20°	3284.6
22.5°	2746.2
25°	2309.5
27.5°	1956.5
30°	1603.5
32.5°	1244.5
35°	897.5
37.5°	592.4
40°	353.0
42.5°	203.5
45°	101.6
47.5°	36.0
50°	12.0
52.5°	12.0
55°	6.0
57.5°	6.0
60°	6.0
62.5°	6.0
65°	6.0
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)