

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: P856849

Luminaire Tested: **LX4C10D010 EX4C109840 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P856849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C10D010 EX4C109840 4LBMDLI
Description:
Light Source: -
Ballast/Driver: -

Summary

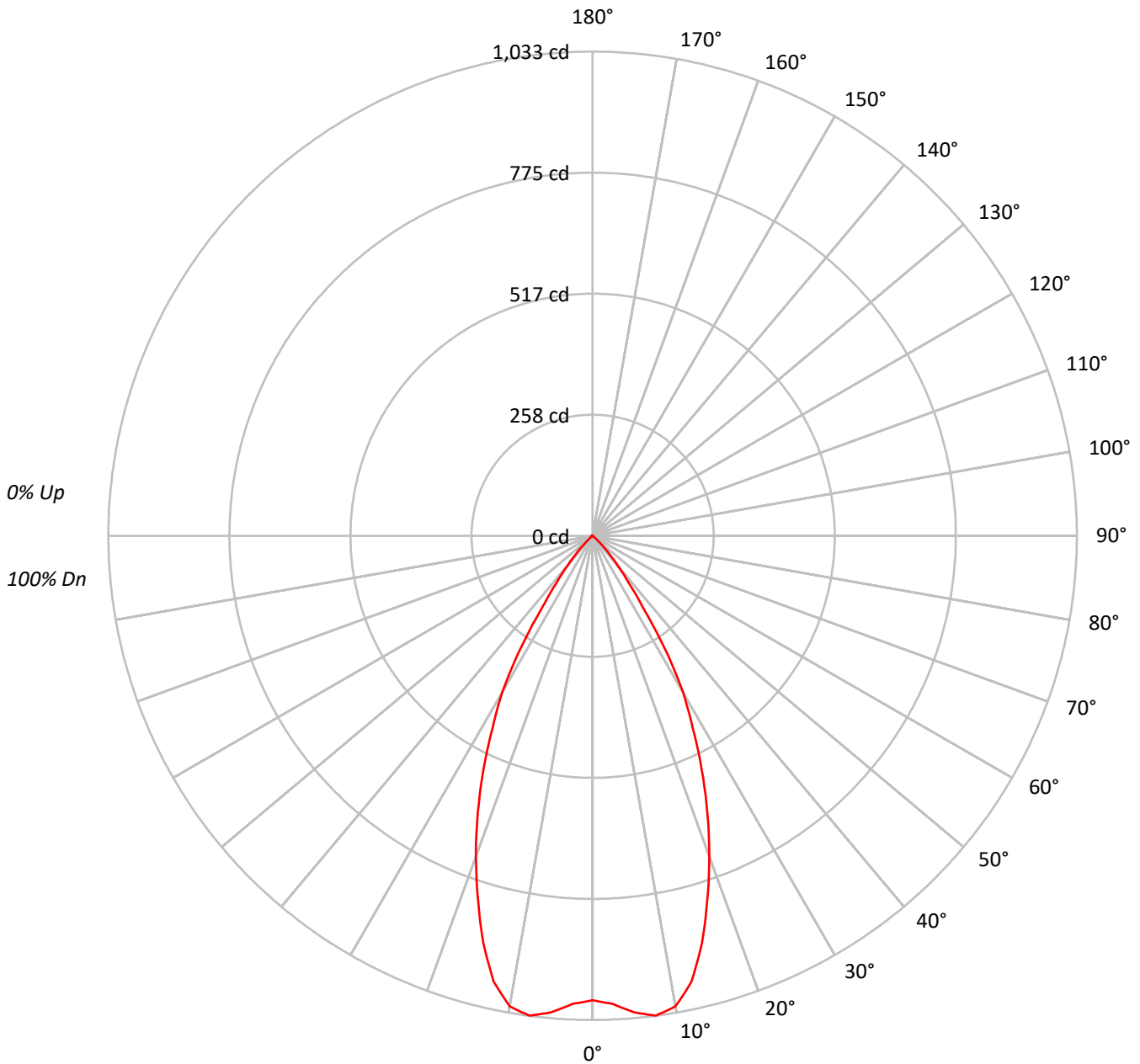
Lumens per Lamp: N/A
Luminaire Lumens: 754.4 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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

TEST NUMBER: P856849

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBMDLI

Luminous Intensity Polar Plot





TEST NUMBER: P856849

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBMDLI

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	70	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121736
5°	125876
10°	127156
15°	114545
20°	95190
25°	74677
30°	54644
35°	28241
40°	13407
45°	4726
50°	1070
55°	685
60°	491
65°	349
70°	251
75°	190
80°	141
85°	0



TEST NUMBER: P856849

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBMDLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.5	12.9
10°-20°	248.1	32.9
20°-30°	251.0	33.3
30°-40°	128.0	17.0
40°-50°	25.1	3.3
50°-60°	3.0	0.4
60°-70°	1.2	0.2
70°-80°	0.5	0.1
80°-90°	0.1	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°	596.6	79.1
0°-40°	724.5	96.0
0°-60°	752.6	99.8
0°-90°	754.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	754.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	991	
5°	1021	97
15°	901	248
25°	551	251
35°	188	128
45°	27	25
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P856849

CATALOG NUMBER: LX4C10D010 EX4C109840 4LBMDLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	990.9
2.5°	1000.0
5°	1020.7
7.5°	1032.6
10°	1019.3
12.5°	974.5
15°	900.6
17.5°	813.4
20°	728.1
22.5°	639.7
25°	550.9
27.5°	462.5
30°	385.2
32.5°	290.3
35°	188.3
37.5°	126.1
40°	83.6
42.5°	52.5
45°	27.2
47.5°	9.7
50°	5.6
52.5°	4.1
55°	3.2
57.5°	2.5
60°	2.0
62.5°	1.6
65°	1.2
67.5°	0.9
70°	0.7
72.5°	0.5
75°	0.4
77.5°	0.4
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)