

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: P857270

Luminaire Tested: **LX4C20D010 EX4C209840 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P857270
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: LX4C20D010 EX4C209840 4LBMLI
Description:
Light Source: -
Ballast/Driver: -

Summary

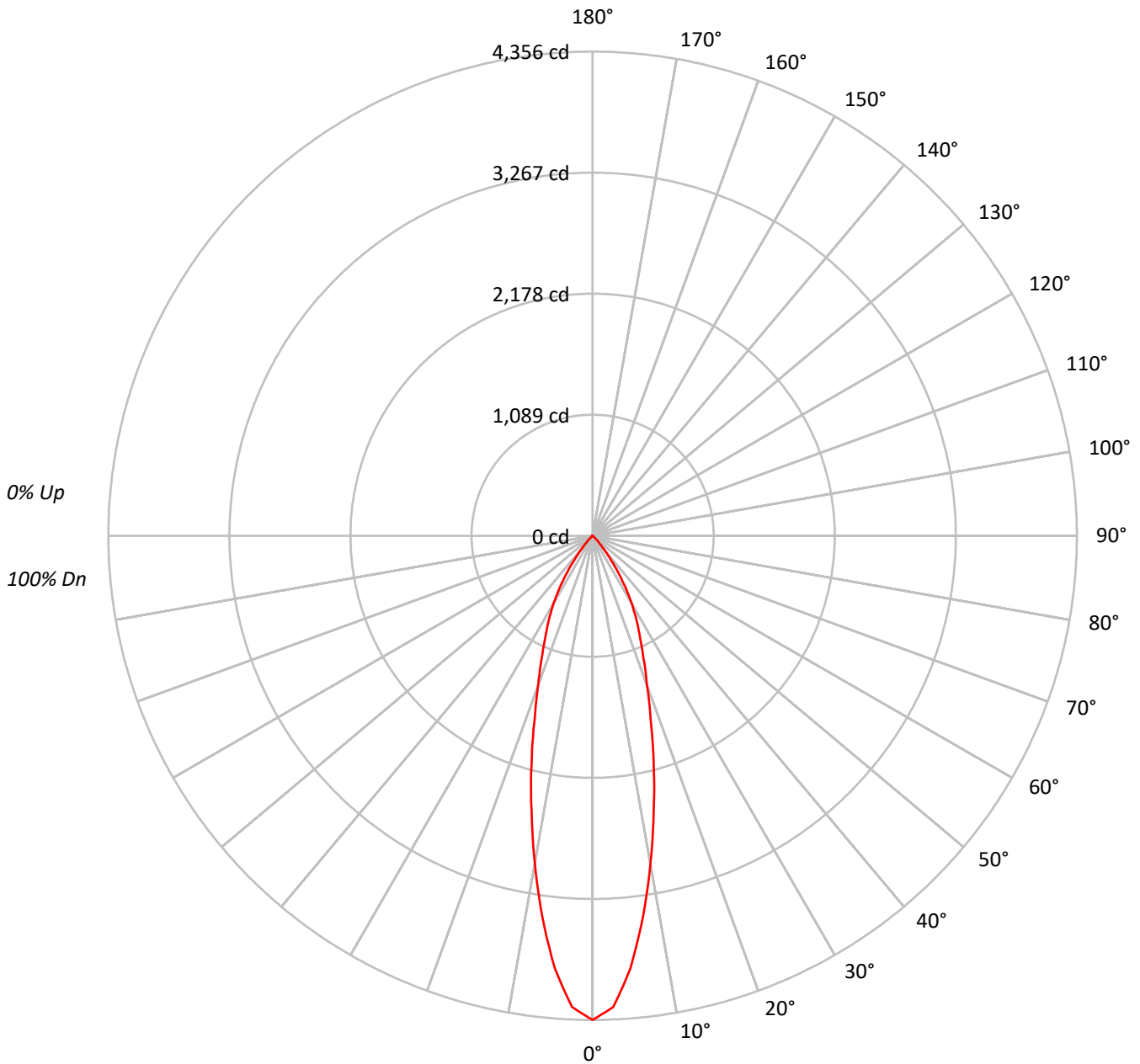
Lumens per Lamp: N/A
Luminaire Lumens: 1692.5 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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: P857270

CATALOG NUMBER: LX4C20D010 EX4C209840 4LBMLI

Luminous Intensity Polar Plot





TEST NUMBER: P857270

CATALOG NUMBER: LX4C20D010 EX4C209840 4LBMLI

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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90	90	90	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77	77	77	77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73	73	73	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69	69	69	69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63	63	63	63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61	61	61	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	535101
5°	481538
10°	373285
15°	270184
20°	187086
25°	136394
30°	99103
35°	58641
40°	24665
45°	7679
50°	1013
55°	557
60°	639
65°	756
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P857270

CATALOG NUMBER: LX4C20D010 EX4C209840 4LBMLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.2	20.3
10°-20°	587.6	34.7
20°-30°	467.0	27.6
30°-40°	247.2	14.6
40°-50°	42.6	2.5
50°-60°	3.2	0.2
60°-70°	1.6	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°	1397.9	82.6
0°-40°	1645.1	97.2
0°-60°	1690.9	99.9
0°-90°	1692.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1692.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4356	
5°	3905	343
15°	2124	588
25°	1006	467
35°	391	247
45°	44	43
55°	3	3
65°	3	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P857270

CATALOG NUMBER: LX4C20D010 EX4C209840 4LBMLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4355.6
2.5°	4243.4
5°	3904.7
7.5°	3461.6
10°	2992.3
12.5°	2538.8
15°	2124.3
17.5°	1738.5
20°	1431.0
22.5°	1196.4
25°	1006.2
27.5°	852.3
30°	698.6
32.5°	542.2
35°	391.0
37.5°	258.1
40°	153.8
42.5°	88.6
45°	44.2
47.5°	15.7
50°	5.3
52.5°	5.3
55°	2.6
57.5°	2.6
60°	2.6
62.5°	2.6
65°	2.6
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)