

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: P857210

Luminaire Tested: **LX4C20D010 EX4C209050 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P857210
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: LX4C20D010 EX4C209050 4LBMDLI
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

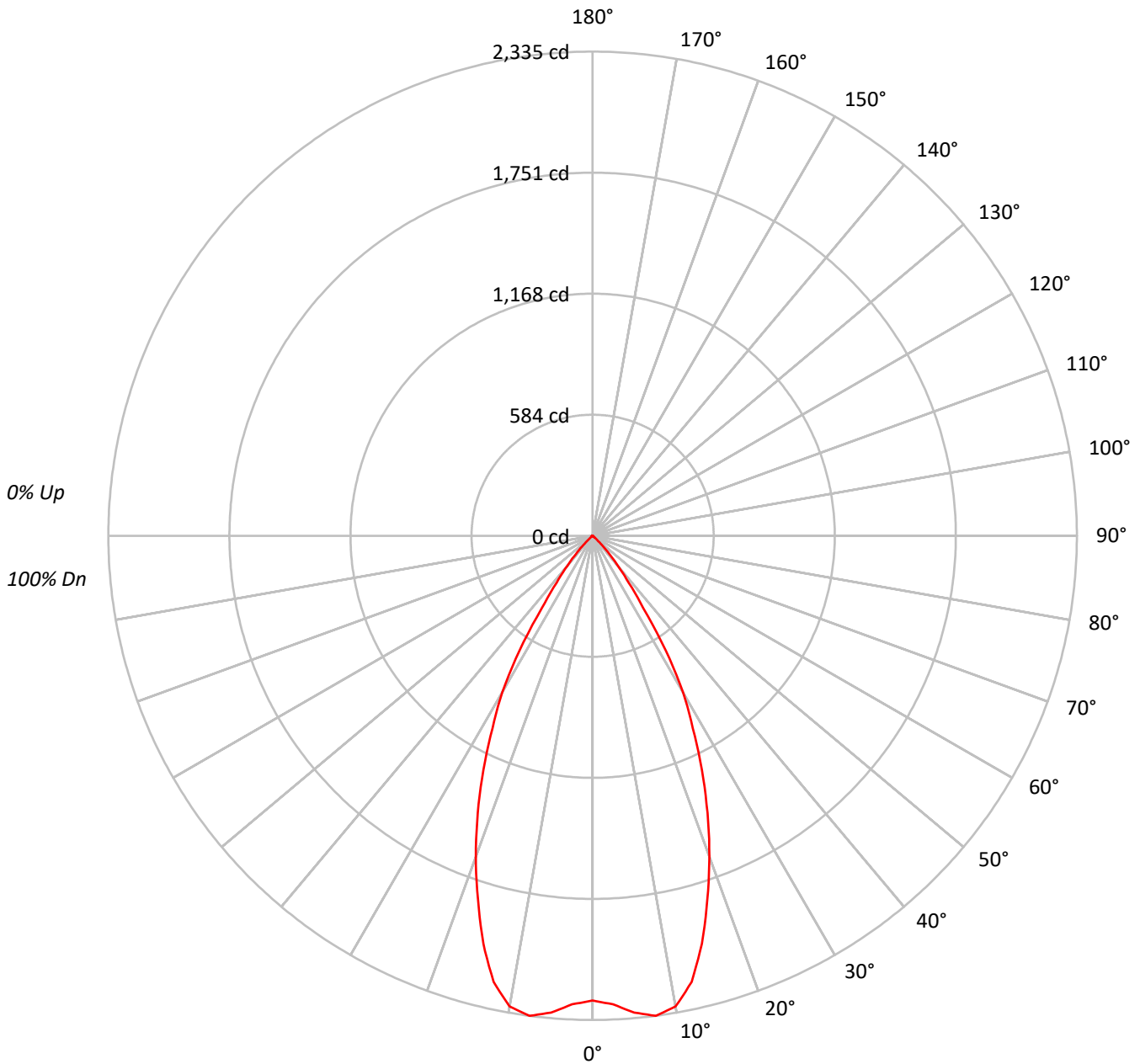
Lumens per Lamp: N/A
Luminaire Lumens: 1706.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P857210

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBMDLI

Luminous Intensity Polar Plot





TEST NUMBER: P857210

CATALOG NUMBER: LX4C20D010 EX4C209050 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°	275278
5°	284654
10°	287546
15°	259017
20°	215260
25°	168873
30°	123588
35°	63875
40°	30327
45°	10668
50°	2408
55°	1564
60°	1106
65°	814
70°	575
75°	380
80°	283
85°	0



TEST NUMBER: P857210

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBMDLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.5	12.9
10°-20°	560.9	32.9
20°-30°	567.6	33.3
30°-40°	289.4	17.0
40°-50°	56.7	3.3
50°-60°	6.9	0.4
60°-70°	2.8	0.2
70°-80°	1.0	0.1
80°-90°	0.2	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°	1349.0	79.1
0°-40°	1638.4	96.0
0°-60°	1702.0	99.8
0°-90°	1706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1706.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2241	
5°	2308	220
15°	2036	561
25°	1246	568
35°	426	289
45°	61	57
55°	7	7
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P857210

CATALOG NUMBER: LX4C20D010 EX4C209050 4LBMDLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2240.7
2.5°	2261.4
5°	2308.2
7.5°	2335.1
10°	2305.0
12.5°	2203.7
15°	2036.5
17.5°	1839.3
20°	1646.5
22.5°	1446.8
25°	1245.8
27.5°	1045.7
30°	871.2
32.5°	656.5
35°	425.9
37.5°	285.1
40°	189.1
42.5°	118.8
45°	61.4
47.5°	22.0
50°	12.6
52.5°	9.4
55°	7.3
57.5°	5.7
60°	4.5
62.5°	3.7
65°	2.8
67.5°	2.0
70°	1.6
72.5°	1.2
75°	0.8
77.5°	0.8
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)