

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: P857307

Luminaire Tested: **LX4C20D010 EX4C209030 4LBMDLI**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P857307
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 EX4C209030 4LBMDLI
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

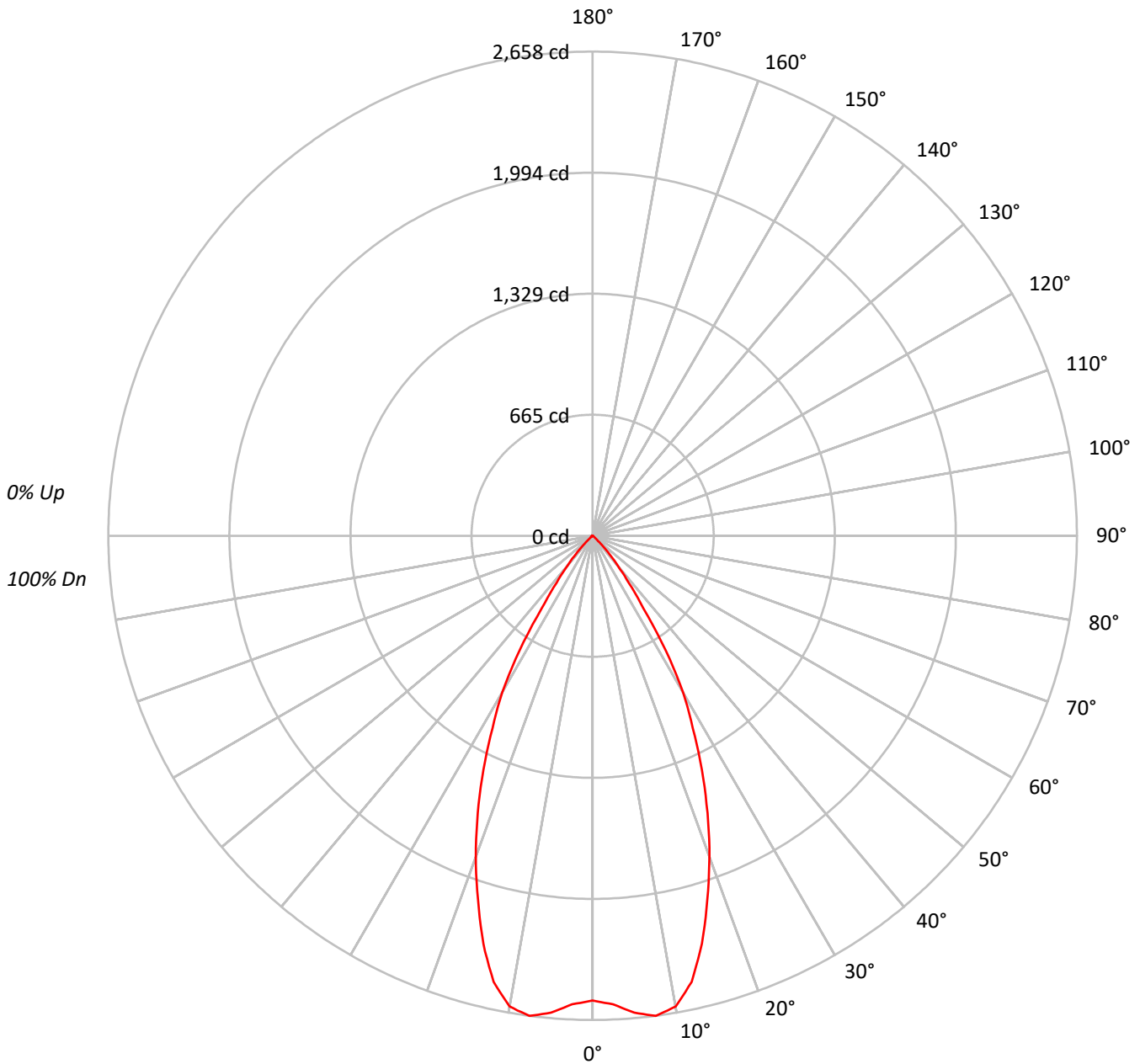
Lumens per Lamp: N/A
Luminaire Lumens: 1942.2 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	313387
5°	324055
10°	327353
15°	294884
20°	245068
25°	192256
30°	140710
35°	72709
40°	34528
45°	12162
50°	2752
55°	1778
60°	1253
65°	930
70°	682
75°	427
80°	354
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	12.9
10°-20°	638.6	32.9
20°-30°	646.2	33.3
30°-40°	329.4	17.0
40°-50°	64.6	3.3
50°-60°	7.8	0.4
60°-70°	3.3	0.2
70°-80°	1.2	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°	1535.8	79.1
0°-40°	1865.2	96.0
0°-60°	1937.6	99.8
0°-90°	1942.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1942.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2551	
5°	2628	251
15°	2318	639
25°	1418	646
35°	485	329
45°	70	65
55°	8	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2550.9
2.5°	2574.5
5°	2627.7
7.5°	2658.4
10°	2624.1
12.5°	2508.8
15°	2318.5
17.5°	2093.9
20°	1874.5
22.5°	1647.1
25°	1418.3
27.5°	1190.4
30°	991.9
32.5°	747.3
35°	484.8
37.5°	324.6
40°	215.3
42.5°	135.2
45°	70.0
47.5°	25.0
50°	14.4
52.5°	10.6
55°	8.3
57.5°	6.5
60°	5.1
62.5°	4.2
65°	3.2
67.5°	2.3
70°	1.9
72.5°	1.4
75°	0.9
77.5°	0.9
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)