

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: P856980

Luminaire Tested: **LX4C15D010 EX4C159040 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P856980
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: LX4C15D010 EX4C159040 4LBMDLI
Description: 4 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

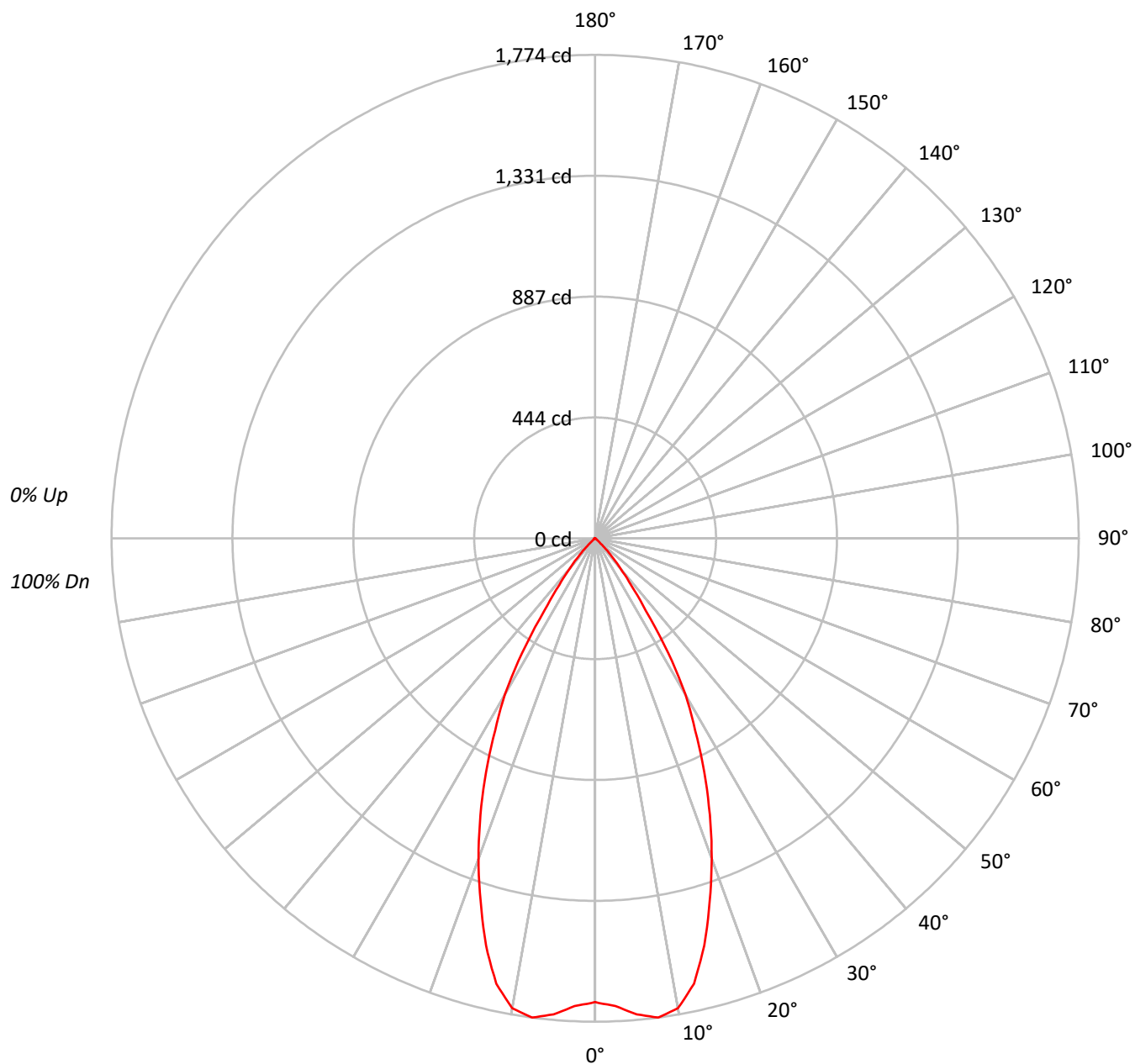
Lumens per Lamp: N/A
Luminaire Lumens: 1296.0 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	209121
5°	216246
10°	218435
15°	196771
20°	163527
25°	128288
30°	93882
35°	48517
40°	23046
45°	8114
50°	1835
55°	1199
60°	835
65°	640
70°	431
75°	285
80°	212
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.5	12.9
10°-20°	426.1	32.9
20°-30°	431.2	33.3
30°-40°	219.8	17.0
40°-50°	43.1	3.3
50°-60°	5.2	0.4
60°-70°	2.2	0.2
70°-80°	0.8	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°	1024.8	79.1
0°-40°	1244.6	96.0
0°-60°	1292.9	99.8
0°-90°	1296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1296.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1702	
5°	1754	167
15°	1547	426
25°	946	431
35°	324	220
45°	47	43
55°	6	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1702.2
2.5°	1718.0
5°	1753.5
7.5°	1773.9
10°	1751.0
12.5°	1674.1
15°	1547.1
17.5°	1397.2
20°	1250.8
22.5°	1099.1
25°	946.4
27.5°	794.4
30°	661.8
32.5°	498.7
35°	323.5
37.5°	216.6
40°	143.7
42.5°	90.2
45°	46.7
47.5°	16.7
50°	9.6
52.5°	7.1
55°	5.6
57.5°	4.3
60°	3.4
62.5°	2.8
65°	2.2
67.5°	1.5
70°	1.2
72.5°	0.9
75°	0.6
77.5°	0.6
80°	0.3
82.5°	0.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)