

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: P859571

Luminaire Tested: **LX4C75D010 EX4C759035 4LBMDLI**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859571
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: LX4C75D010 EX4C759035 4LBMDLI
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

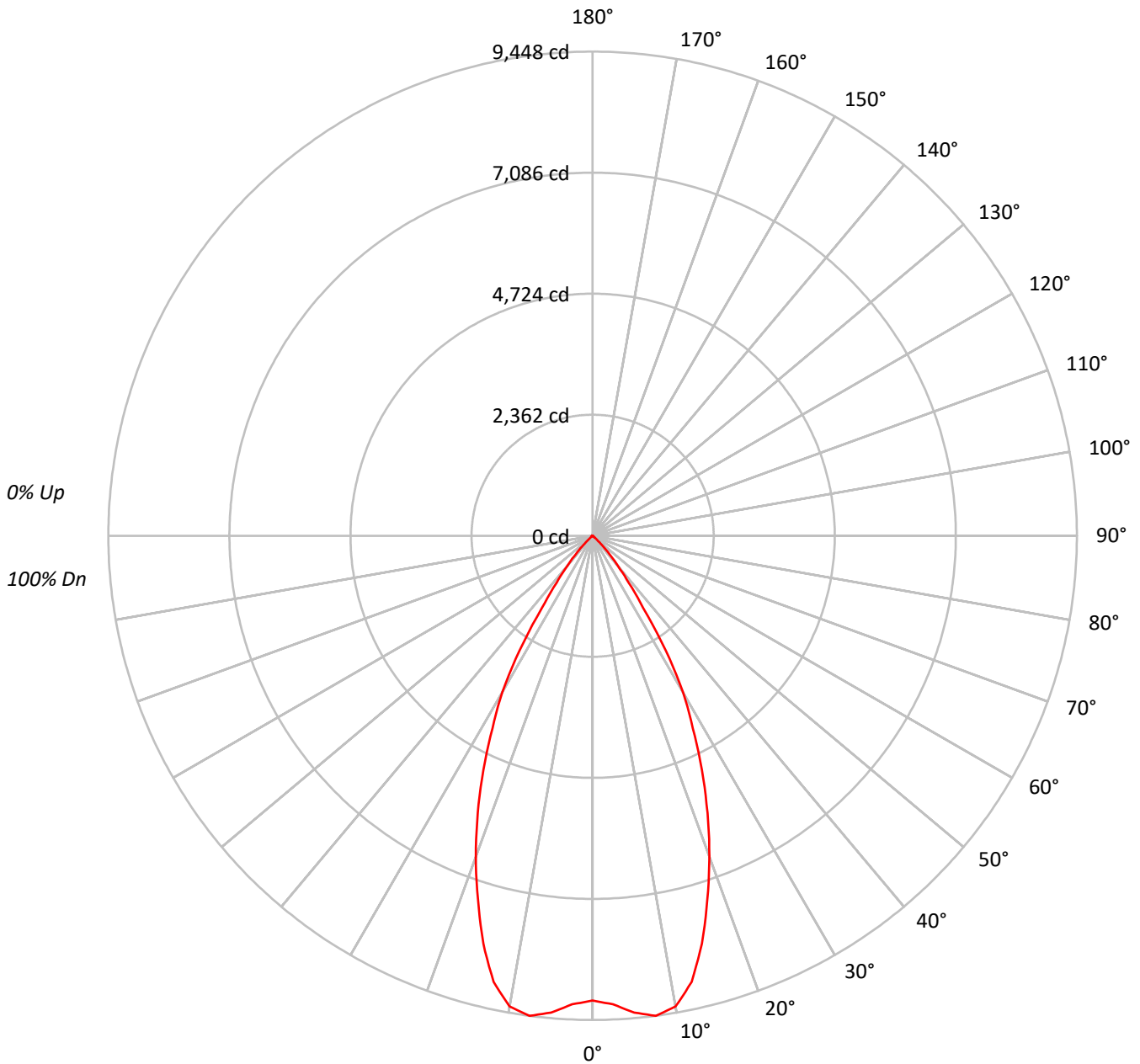
Lumens per Lamp: N/A
Luminaire Lumens: 6903.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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	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°	1113863
5°	1151810
10°	1163481
15°	1048074
20°	870989
25°	683327
30°	500095
35°	258424
40°	122734
45°	43175
50°	9747
55°	6340
60°	4447
65°	3343
70°	2371
75°	1566
80°	1132
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	892.1	12.9
10°-20°	2269.7	32.9
20°-30°	2296.7	33.3
30°-40°	1170.8	17.0
40°-50°	229.5	3.3
50°-60°	27.8	0.4
60°-70°	11.5	0.2
70°-80°	4.1	0.1
80°-90°	0.7	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°	5458.5	79.1
0°-40°	6629.3	96.0
0°-60°	6886.7	99.8
0°-90°	6903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6903.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9067	
5°	9340	892
15°	8240	2270
25°	5041	2297
35°	1723	1171
45°	248	230
55°	30	28
65°	12	12
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9066.6
2.5°	9150.5
5°	9339.8
7.5°	9448.4
10°	9326.6
12.5°	8916.8
15°	8240.4
17.5°	7442.2
20°	6662.1
22.5°	5854.0
25°	5041.0
27.5°	4231.3
30°	3525.3
32.5°	2656.3
35°	1723.1
37.5°	1153.7
40°	765.3
42.5°	480.6
45°	248.5
47.5°	88.9
50°	51.0
52.5°	37.9
55°	29.6
57.5°	23.0
60°	18.1
62.5°	14.8
65°	11.5
67.5°	8.2
70°	6.6
72.5°	4.9
75°	3.3
77.5°	3.3
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)