

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: P859575

Luminaire Tested: **LX4C75D010 EX4C759035 4LBNLI**

Issue Date: 1/21/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859575  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C75D010 EX4C759035 4LBNLI  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBN TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver:

**Summary**

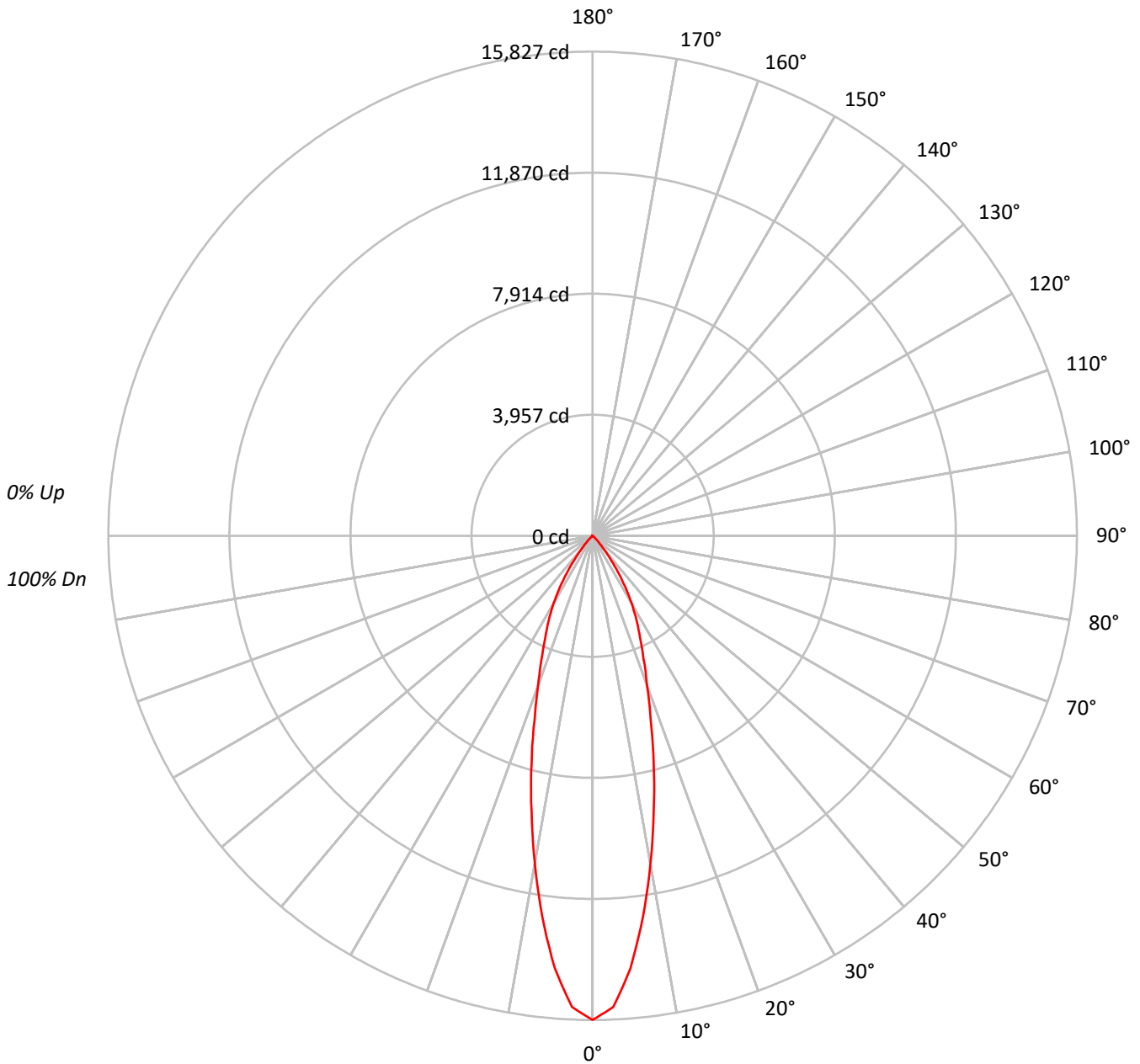
Lumens per Lamp: N/A  
Luminaire Lumens: 6150.0 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 81.5  
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									
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			100																
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95																
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	92	90			90																
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85																
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81																
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77			77																
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73			73																
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69			69																
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	67	66			66																
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	64	63			63																
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61			61																

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1944353
5°	1749716
10°	1356405
15°	981759
20°	679785
25°	495585
30°	360095
35°	213071
40°	89617
45°	27938
50°	3631
55°	2035
60°	2334
65°	2762
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1247.2	20.3
10°-20°	2135.2	34.7
20°-30°	1697.0	27.6
30°-40°	898.3	14.6
40°-50°	154.8	2.5
50°-60°	11.6	0.2
60°-70°	5.8	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°	5079.5	82.6
0°-40°	5977.8	97.2
0°-60°	6144.2	99.9
0°-90°	6150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6150.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15827	
5°	14188	###
15°	7719	2135
25°	3656	1697
35°	1421	898
45°	161	155
55°	10	12
65°	10	6
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15826.6
2.5°	15419.1
5°	14188.1
7.5°	12578.0
10°	10873.1
12.5°	9225.2
15°	7719.0
17.5°	6317.3
20°	5199.6
22.5°	4347.2
25°	3656.0
27.5°	3097.2
30°	2538.4
32.5°	1970.1
35°	1420.7
37.5°	937.8
40°	558.8
42.5°	322.1
45°	160.8
47.5°	56.9
50°	19.0
52.5°	19.0
55°	9.5
57.5°	9.5
60°	9.5
62.5°	9.5
65°	9.5
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)