

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: P859579

Luminaire Tested: **LX4C75D010 EX4C759035 4LBWH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859579  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C75D010 EX4C759035 4LBWH  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

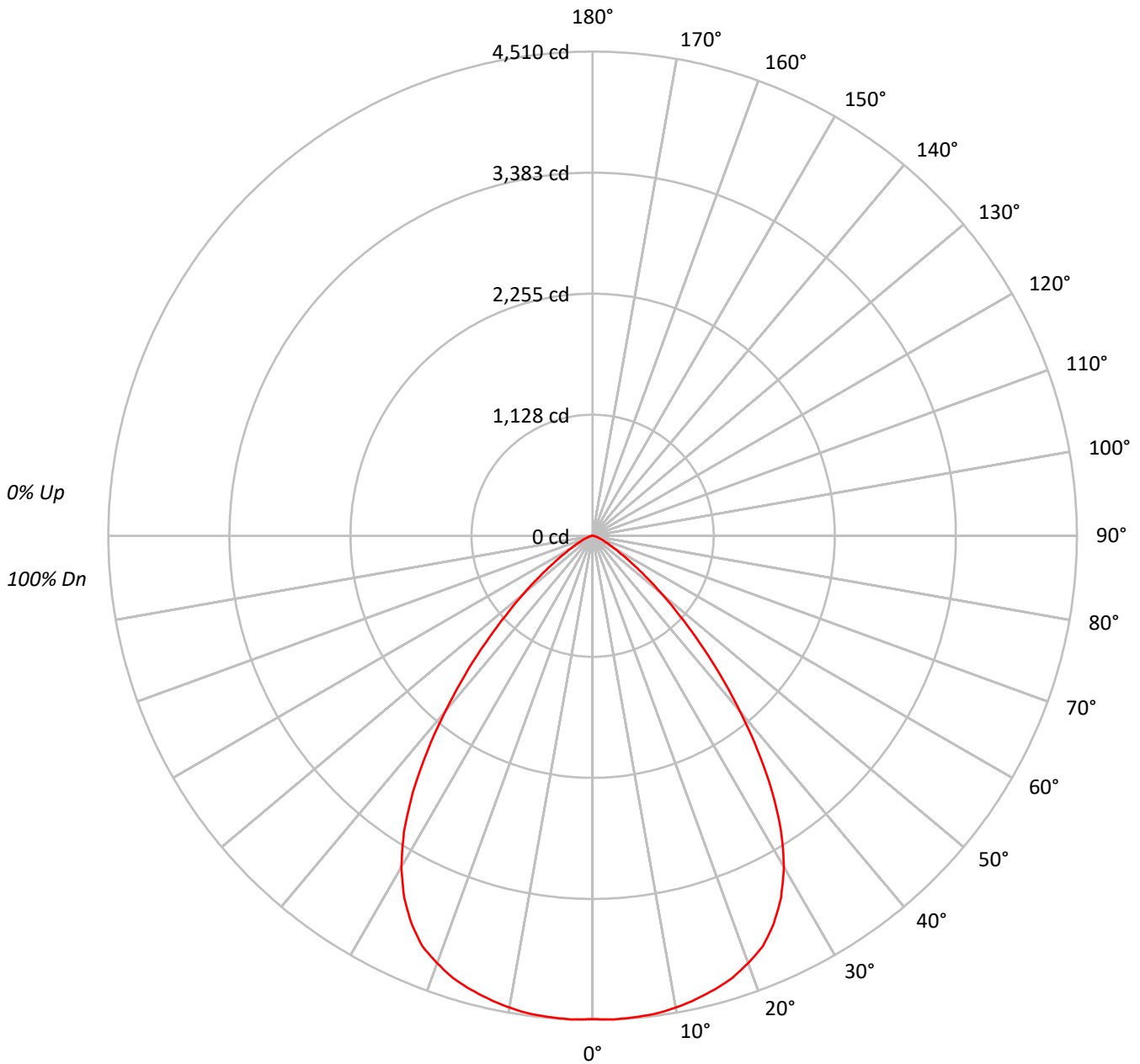
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6983.0 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
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																			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91																			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82																			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74																			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67																			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61																			
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55																			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50																			
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46																			
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43																			
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39																			

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

	0°
0°	552963
5°	555076
10°	556753
15°	556788
20°	553727
25°	540751
30°	505415
35°	437676
40°	341901
45°	245305
50°	159361
55°	95400
60°	55825
65°	35843
70°	23851
75°	17990
80°	13442
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	428.6	6.1
10°-20°	1235.1	17.7
20°-30°	1822.5	26.1
30°-40°	1798.5	25.8
40°-50°	1100.6	15.8
50°-60°	422.0	6.0
60°-70°	131.9	1.9
70°-80°	38.7	0.6
80°-90°	5.2	0.1
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°	3486.2	49.9
0°-40°	5284.7	75.7
0°-60°	6807.2	97.5
0°-90°	6983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6983.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4501	
5°	4501	429
15°	4378	1235
25°	3989	1822
35°	2918	1799
45°	1412	1101
55°	445	422
65°	123	132
75°	38	39
85°	0	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4501.0
2.5°	4510.4
5°	4501.0
7.5°	4491.5
10°	4463.0
12.5°	4425.1
15°	4377.7
17.5°	4320.8
20°	4235.4
22.5°	4141.0
25°	3989.2
27.5°	3799.5
30°	3562.8
32.5°	3269.2
35°	2918.3
37.5°	2529.9
40°	2131.9
42.5°	1762.4
45°	1411.9
47.5°	1098.9
50°	833.8
52.5°	616.1
55°	445.4
57.5°	312.6
60°	227.2
62.5°	170.7
65°	123.3
67.5°	94.8
70°	66.4
72.5°	47.4
75°	37.9
77.5°	19.0
80°	19.0
82.5°	9.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)