

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: P859586

Luminaire Tested: **LX4C75D010 EX4C759040 4LBMH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859586  
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 EX4C759040 4LBMH  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

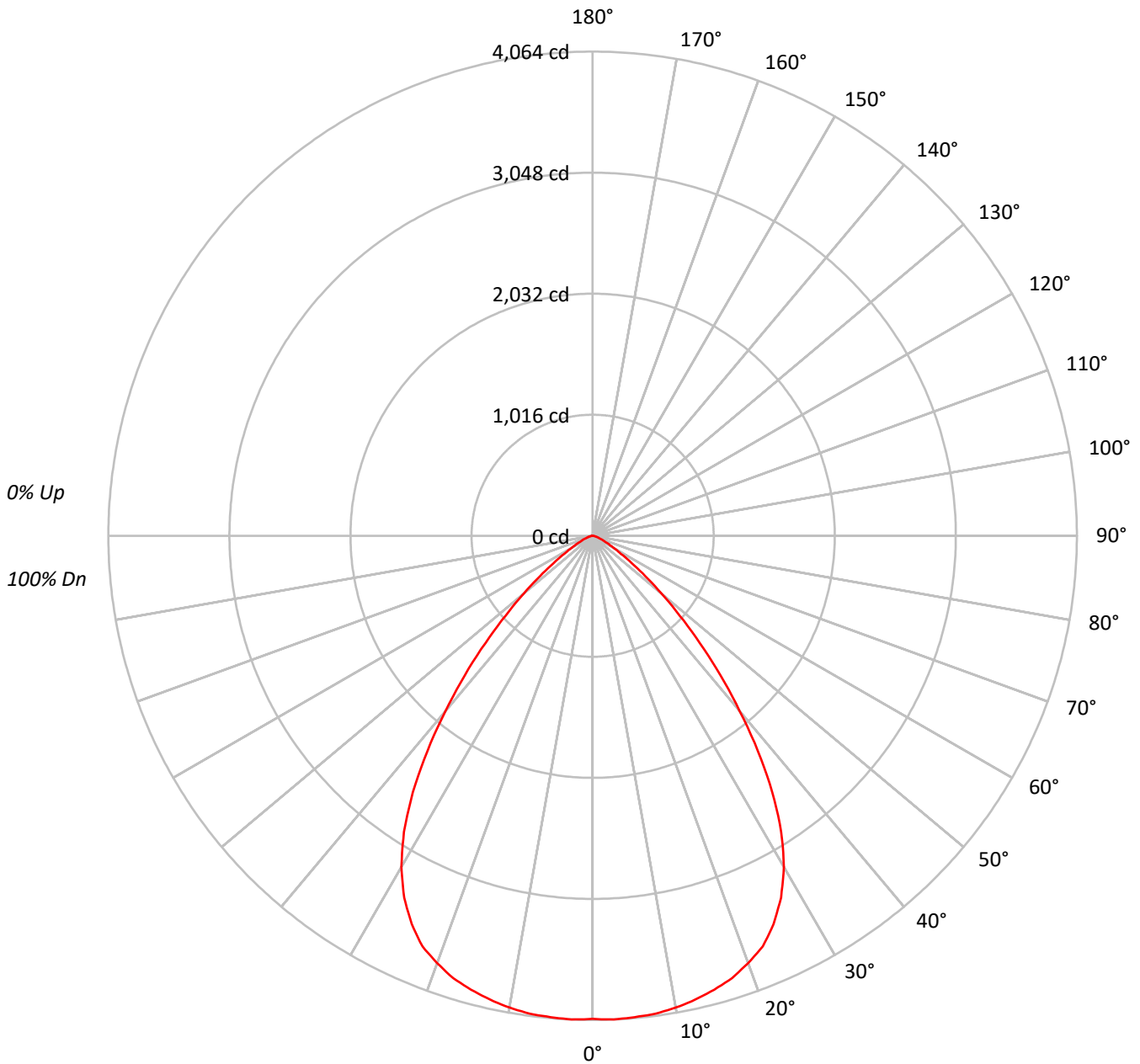
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6292.0 lumens  
Efficiency: N/A  
Efficacy: 77.2 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	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°	498245
5°	500148
10°	501664
15°	501690
20°	498935
25°	487248
30°	455410
35°	394363
40°	308078
45°	221033
50°	143593
55°	85954
60°	50296
65°	32296
70°	21480
75°	16234
80°	12098
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.2	6.1
10°-20°	1112.8	17.7
20°-30°	1642.2	26.1
30°-40°	1620.5	25.8
40°-50°	991.7	15.8
50°-60°	380.2	6.0
60°-70°	118.9	1.9
70°-80°	34.9	0.6
80°-90°	4.6	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°	3141.2	49.9
0°-40°	4761.7	75.7
0°-60°	6133.6	97.5
0°-90°	6292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6292.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4056	
5°	4056	386
15°	3944	1113
25°	3594	1642
35°	2630	1621
45°	1272	992
55°	401	380
65°	111	119
75°	34	35
85°	0	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4055.6
2.5°	4064.1
5°	4055.6
7.5°	4047.0
10°	4021.4
12.5°	3987.2
15°	3944.5
17.5°	3893.2
20°	3816.3
22.5°	3731.2
25°	3594.5
27.5°	3423.5
30°	3210.3
32.5°	2945.7
35°	2629.5
37.5°	2279.5
40°	1921.0
42.5°	1588.0
45°	1272.2
47.5°	990.2
50°	751.3
52.5°	555.1
55°	401.3
57.5°	281.6
60°	204.7
62.5°	153.8
65°	111.1
67.5°	85.5
70°	59.8
72.5°	42.7
75°	34.2
77.5°	17.1
80°	17.1
82.5°	8.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)