

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: P859357

Luminaire Tested: **LX4C65D010 EX4C659030 4LBWH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859357  
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: LX4C65D010 EX4C659030 4LBWH  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

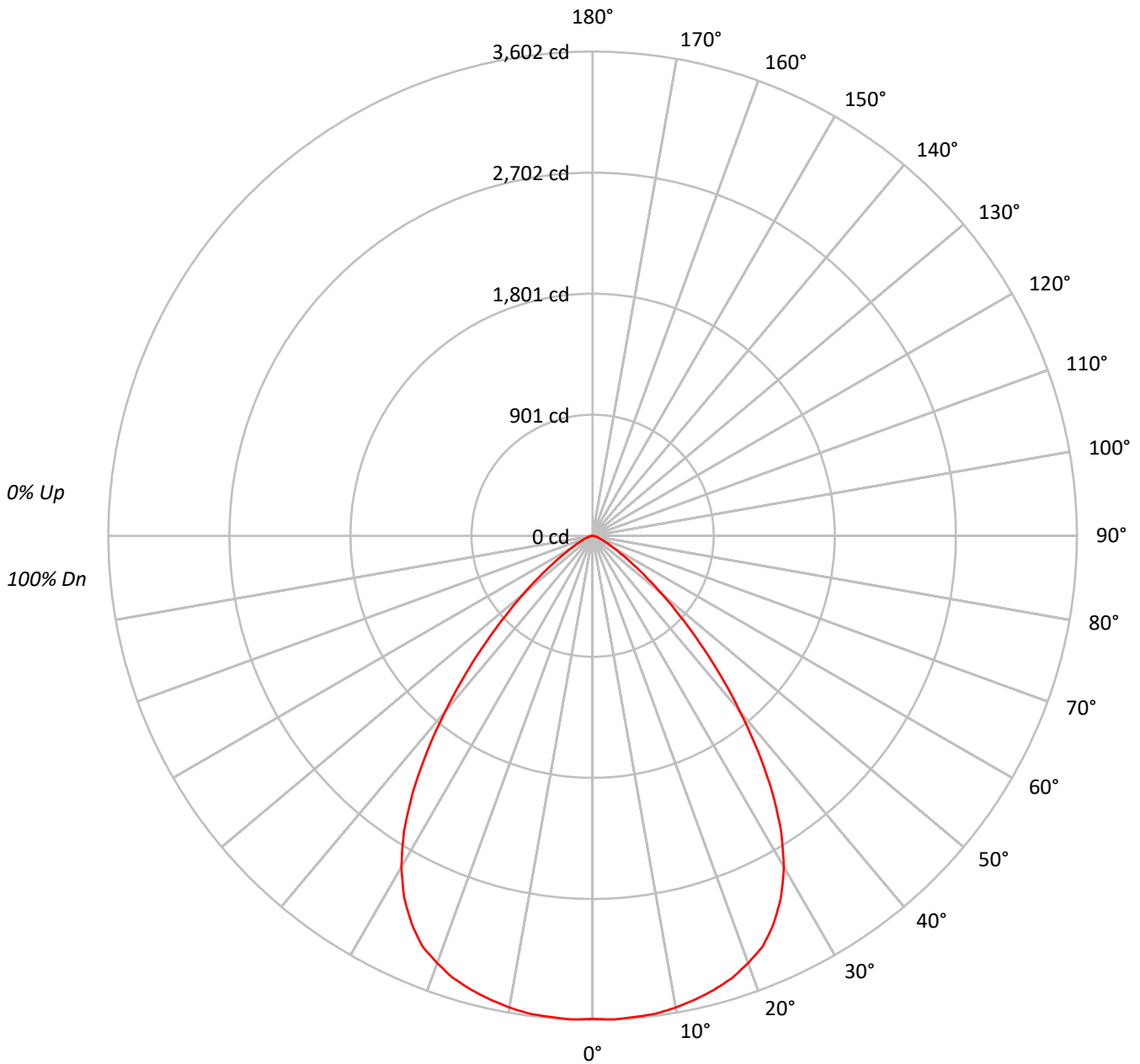
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5576.0 lumens  
Efficiency: N/A  
Efficacy: 77.0 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): 72.4  
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°	441548
5°	443234
10°	444579
15°	444596
20°	442156
25°	431793
30°	403589
35°	349490
40°	273020
45°	195876
50°	127252
55°	76165
60°	44571
65°	28634
70°	19038
75°	14382
80°	10683
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.3	6.1
10°-20°	986.2	17.7
20°-30°	1455.3	26.1
30°-40°	1436.1	25.8
40°-50°	878.8	15.8
50°-60°	336.9	6.0
60°-70°	105.3	1.9
70°-80°	30.9	0.6
80°-90°	4.1	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°	2783.8	49.9
0°-40°	4219.9	75.7
0°-60°	5435.6	97.5
0°-90°	5576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5576.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3594	
5°	3594	342
15°	3496	986
25°	3185	1455
35°	2330	1436
45°	1127	879
55°	356	337
65°	98	105
75°	30	31
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3594.1
2.5°	3601.6
5°	3594.1
7.5°	3586.5
10°	3563.8
12.5°	3533.5
15°	3495.6
17.5°	3450.2
20°	3382.0
22.5°	3306.6
25°	3185.4
27.5°	3034.0
30°	2845.0
32.5°	2610.5
35°	2330.3
37.5°	2020.1
40°	1702.4
42.5°	1407.3
45°	1127.4
47.5°	877.5
50°	665.8
52.5°	491.9
55°	355.6
57.5°	249.6
60°	181.4
62.5°	136.3
65°	98.5
67.5°	75.7
70°	53.0
72.5°	37.9
75°	30.3
77.5°	15.1
80°	15.1
82.5°	7.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)