

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: P859420

Luminaire Tested: **LX4C65D010 EX4C659050 4LBWH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P859420  
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 EX4C659050 4LBWH  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver:

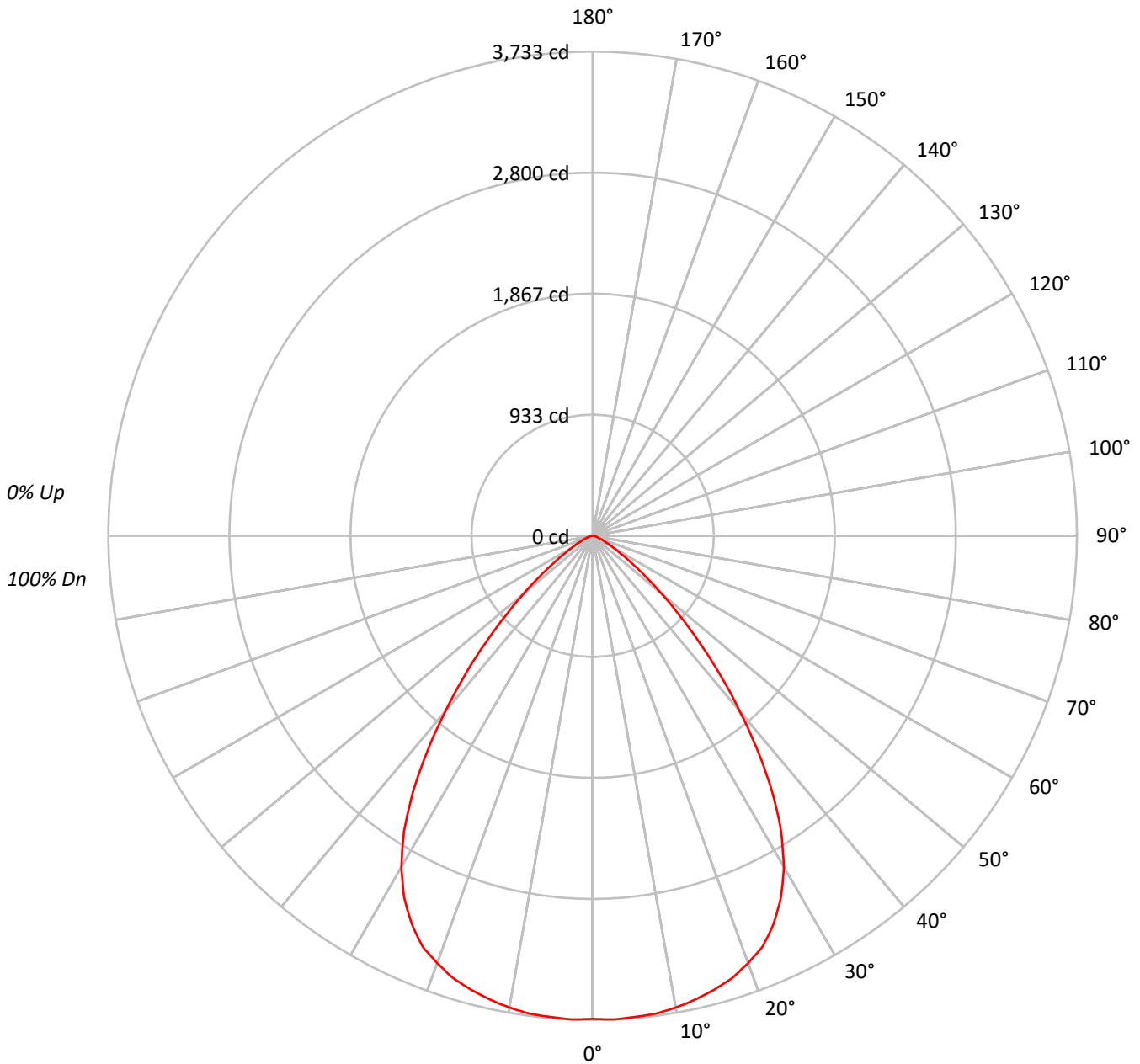
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5779.0 lumens  
Efficiency: N/A  
Efficacy: 79.8 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°	457617
5°	459365
10°	460759
15°	460787
20°	458250
25°	447517
30°	418271
35°	362208
40°	282948
45°	203016
50°	131877
55°	78950
60°	46193
65°	29651
70°	19720
75°	14905
80°	11108
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.7	6.1
10°-20°	1022.1	17.7
20°-30°	1508.3	26.1
30°-40°	1488.4	25.8
40°-50°	910.9	15.8
50°-60°	349.2	6.0
60°-70°	109.2	1.9
70°-80°	32.0	0.6
80°-90°	4.2	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°	2885.1	49.9
0°-40°	4373.5	75.7
0°-60°	5633.6	97.5
0°-90°	5779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5779.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3725	
5°	3725	355
15°	3623	1022
25°	3301	1508
35°	2415	1488
45°	1168	911
55°	369	349
65°	102	109
75°	31	32
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3724.9
2.5°	3732.8
5°	3724.9
7.5°	3717.1
10°	3693.5
12.5°	3662.1
15°	3622.9
17.5°	3575.8
20°	3505.1
22.5°	3427.0
25°	3301.4
27.5°	3144.4
30°	2948.5
32.5°	2705.6
35°	2415.1
37.5°	2093.7
40°	1764.3
42.5°	1458.6
45°	1168.5
47.5°	909.5
50°	690.0
52.5°	509.9
55°	368.6
57.5°	258.7
60°	188.0
62.5°	141.3
65°	102.0
67.5°	78.5
70°	54.9
72.5°	39.2
75°	31.4
77.5°	15.7
80°	15.7
82.5°	7.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)