

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: P859355

Luminaire Tested: **LX4C65D010 EX4C659030 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C65D010 EX4C659030 4LBSLI  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

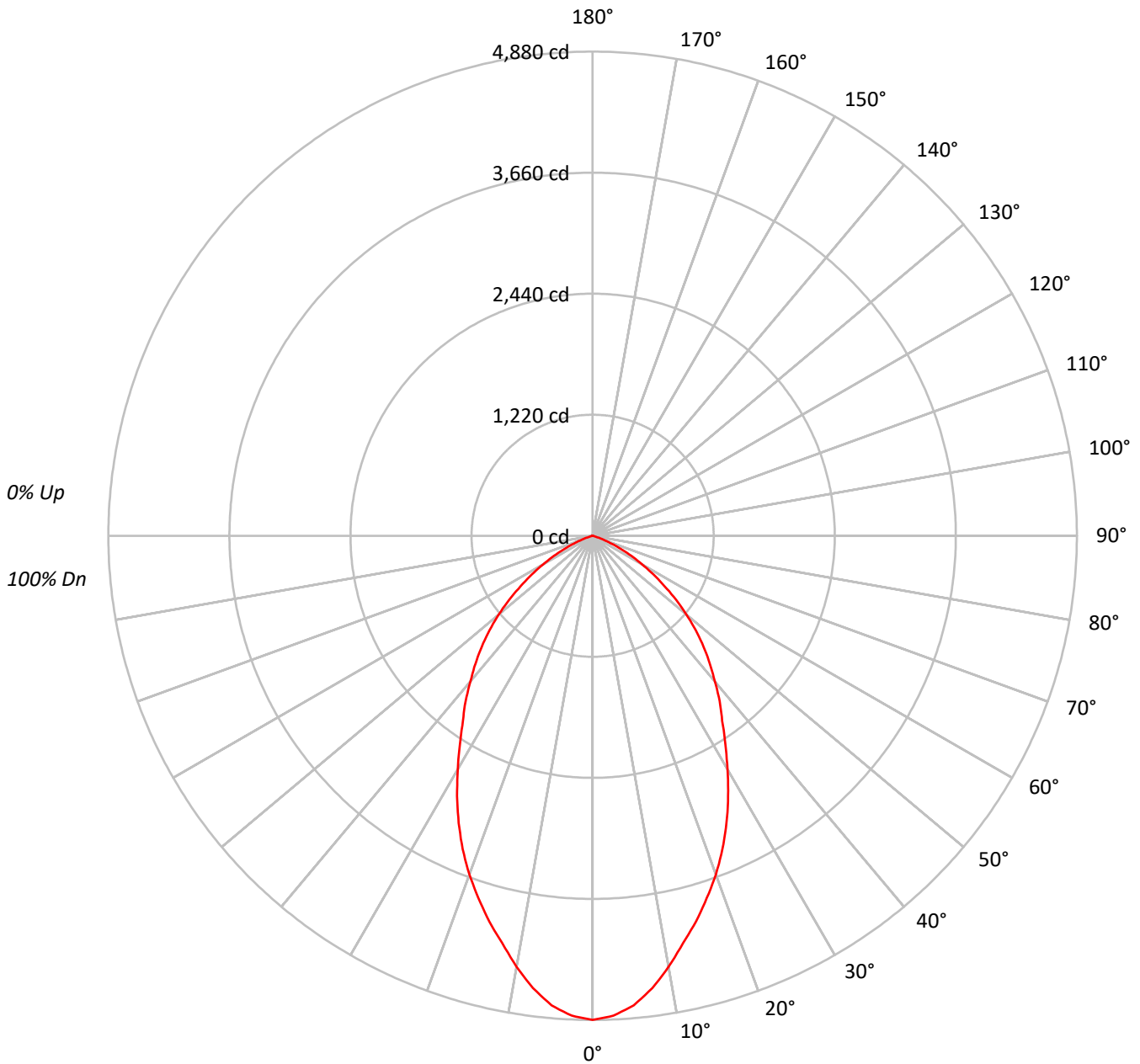
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6834.0 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 72.4  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80																			
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71																			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63																			
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57																			
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51																			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42																			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39																			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36																			

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

	0°
0°	599488
5°	585906
10°	550217
15°	511903
20°	474762
25°	432783
30°	385303
35°	341511
40°	306955
45°	274719
50°	235678
55°	189600
60°	141257
65°	90174
70°	43463
75°	7215
80°	5306
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	442.5	6.5
10°-20°	1128.4	16.5
20°-30°	1462.3	21.4
30°-40°	1432.7	21.0
40°-50°	1214.4	17.8
50°-60°	796.1	11.6
60°-70°	320.0	4.7
70°-80°	36.6	0.5
80°-90°	1.0	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°	3033.2	44.4
0°-40°	4465.9	65.3
0°-60°	6476.4	94.8
0°-90°	6834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6834.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4880	
5°	4751	442
15°	4025	1128
25°	3193	1462
35°	2277	1433
45°	1581	1214
55°	885	796
65°	310	320
75°	15	37
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4879.7
2.5°	4841.8
5°	4751.0
7.5°	4599.7
10°	4410.6
12.5°	4206.3
15°	4024.8
17.5°	3828.2
20°	3631.4
22.5°	3419.6
25°	3192.7
27.5°	2958.0
30°	2716.1
32.5°	2489.1
35°	2277.1
37.5°	2103.2
40°	1914.0
42.5°	1747.6
45°	1581.2
47.5°	1407.2
50°	1233.1
52.5°	1059.2
55°	885.2
57.5°	726.3
60°	574.9
62.5°	438.7
65°	310.2
67.5°	204.3
70°	121.0
72.5°	52.9
75°	15.2
77.5°	7.5
80°	7.5
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)