

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: P859390

Luminaire Tested: **LX4C65D010 EX4C659040 4LBMDH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C65D010 EX4C659040 4LBMDH  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

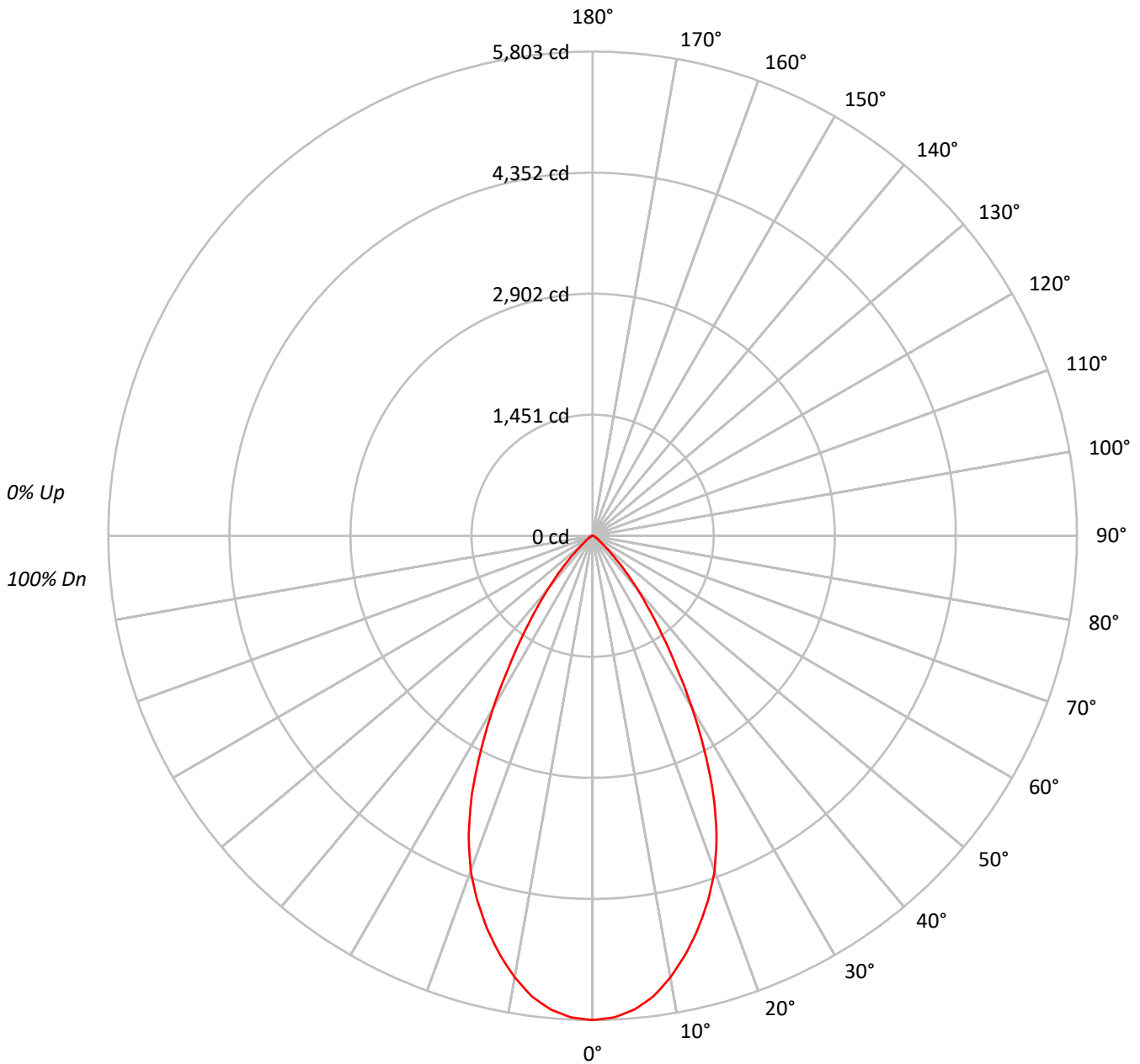
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4817.0 lumens  
Efficiency: N/A  
Efficacy: 66.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83  
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				20				
RC	80				70				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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81			
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57			
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54			
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51			

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

	0°
0°	712931
5°	703310
10°	670312
15°	620267
20°	558369
25°	463879
30°	337199
35°	218576
40°	132276
45°	68176
50°	30867
55°	18592
60°	12457
65°	8924
70°	6717
75°	4414
80°	2830
85°	1832



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.9	11.1
10°-20°	1360.9	28.3
20°-30°	1538.9	31.9
30°-40°	930.0	19.3
40°-50°	325.8	6.8
50°-60°	83.4	1.7
60°-70°	31.9	0.7
70°-80°	10.7	0.2
80°-90°	1.6	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°	3433.6	71.3
0°-40°	4363.6	90.6
0°-60°	4772.7	99.1
0°-90°	4817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4817.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5803	
5°	5703	534
15°	4877	1361
25°	3422	1539
35°	1457	930
45°	392	326
55°	87	83
65°	31	32
75°	9	11
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5803.1
2.5°	5779.1
5°	5703.0
7.5°	5568.2
10°	5373.3
12.5°	5138.4
15°	4876.8
17.5°	4589.9
20°	4270.9
22.5°	3879.8
25°	3422.1
27.5°	2897.5
30°	2377.0
32.5°	1879.2
35°	1457.4
37.5°	1105.1
40°	824.8
42.5°	592.6
45°	392.4
47.5°	241.6
50°	161.5
52.5°	116.1
55°	86.8
57.5°	66.7
60°	50.7
62.5°	40.0
65°	30.7
67.5°	24.0
70°	18.7
72.5°	13.3
75°	9.3
77.5°	6.7
80°	4.0
82.5°	2.7
85°	1.3
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)