

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: P859348

Luminaire Tested: **LX4C65D010 EX4C659030 4LBMDH**

Issue Date: 2/18/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P859348  
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 EX4C659030 4LBMDH  
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

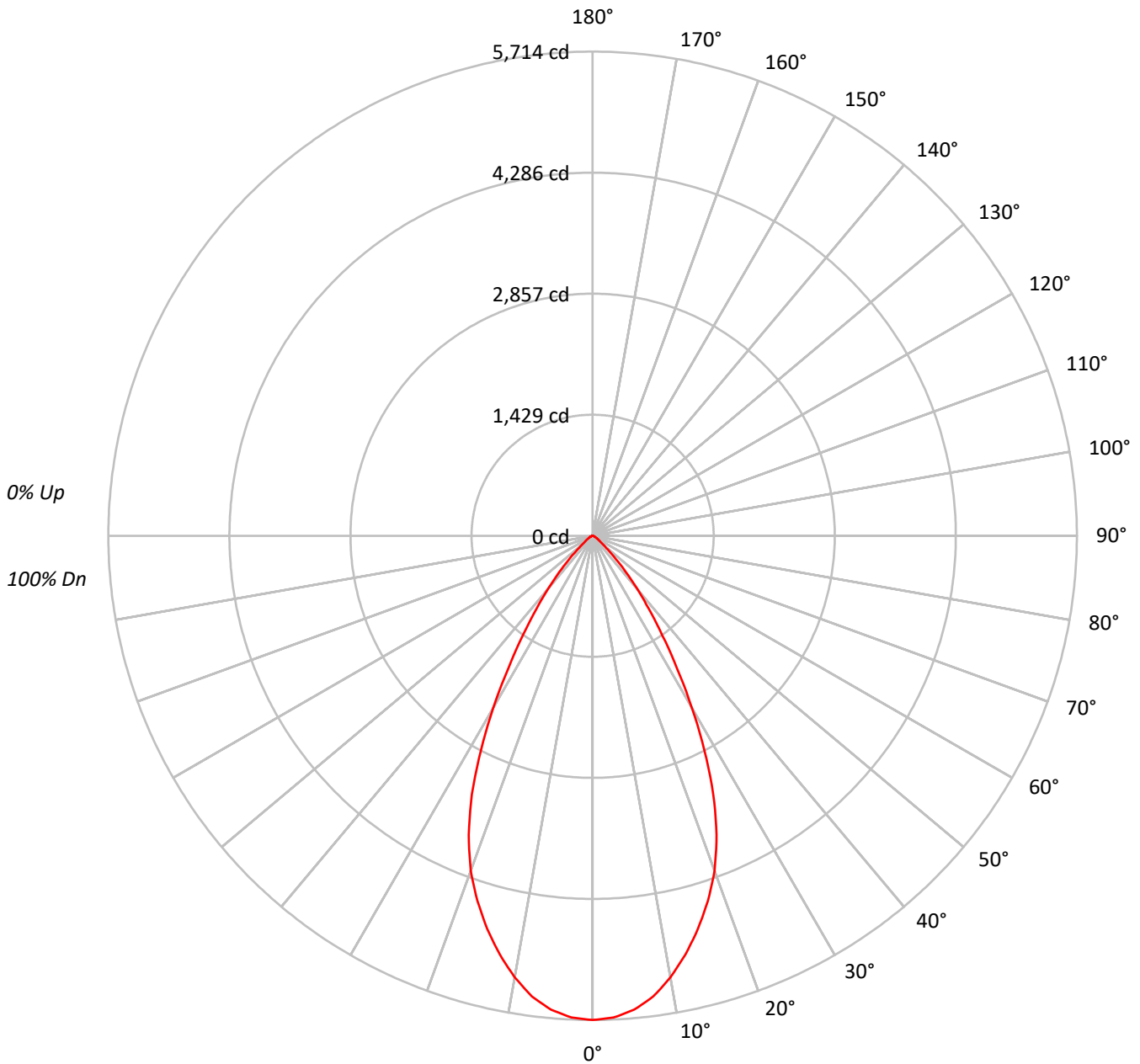
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4743.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 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°	701972
5°	692507
10°	660020
15°	610741
20°	549792
25°	456749
30°	332021
35°	215231
40°	130240
45°	67134
50°	30389
55°	18292
60°	12261
65°	8779
70°	6609
75°	4367
80°	2759
85°	1832



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	525.7	11.1
10°-20°	1340.0	28.3
20°-30°	1515.2	31.9
30°-40°	915.7	19.3
40°-50°	320.8	6.8
50°-60°	82.1	1.7
60°-70°	31.4	0.7
70°-80°	10.5	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°	3380.9	71.3
0°-40°	4296.6	90.6
0°-60°	4699.4	99.1
0°-90°	4743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5714	
5°	5615	526
15°	4802	1340
25°	3370	1515
35°	1435	916
45°	386	321
55°	85	82
65°	30	31
75°	9	11
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5713.9
2.5°	5690.3
5°	5615.4
7.5°	5482.6
10°	5290.8
12.5°	5059.5
15°	4801.9
17.5°	4519.4
20°	4205.3
22.5°	3820.2
25°	3369.5
27.5°	2853.0
30°	2340.5
32.5°	1850.3
35°	1435.1
37.5°	1088.1
40°	812.1
42.5°	583.5
45°	386.4
47.5°	237.9
50°	159.0
52.5°	114.3
55°	85.4
57.5°	65.7
60°	49.9
62.5°	39.4
65°	30.2
67.5°	23.7
70°	18.4
72.5°	13.1
75°	9.2
77.5°	6.6
80°	3.9
82.5°	2.6
85°	1.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)