

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: P859599

Luminaire Tested: **LX4C75D010 EX4C759050 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C75D010 EX4C759050 4LBMDLI  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

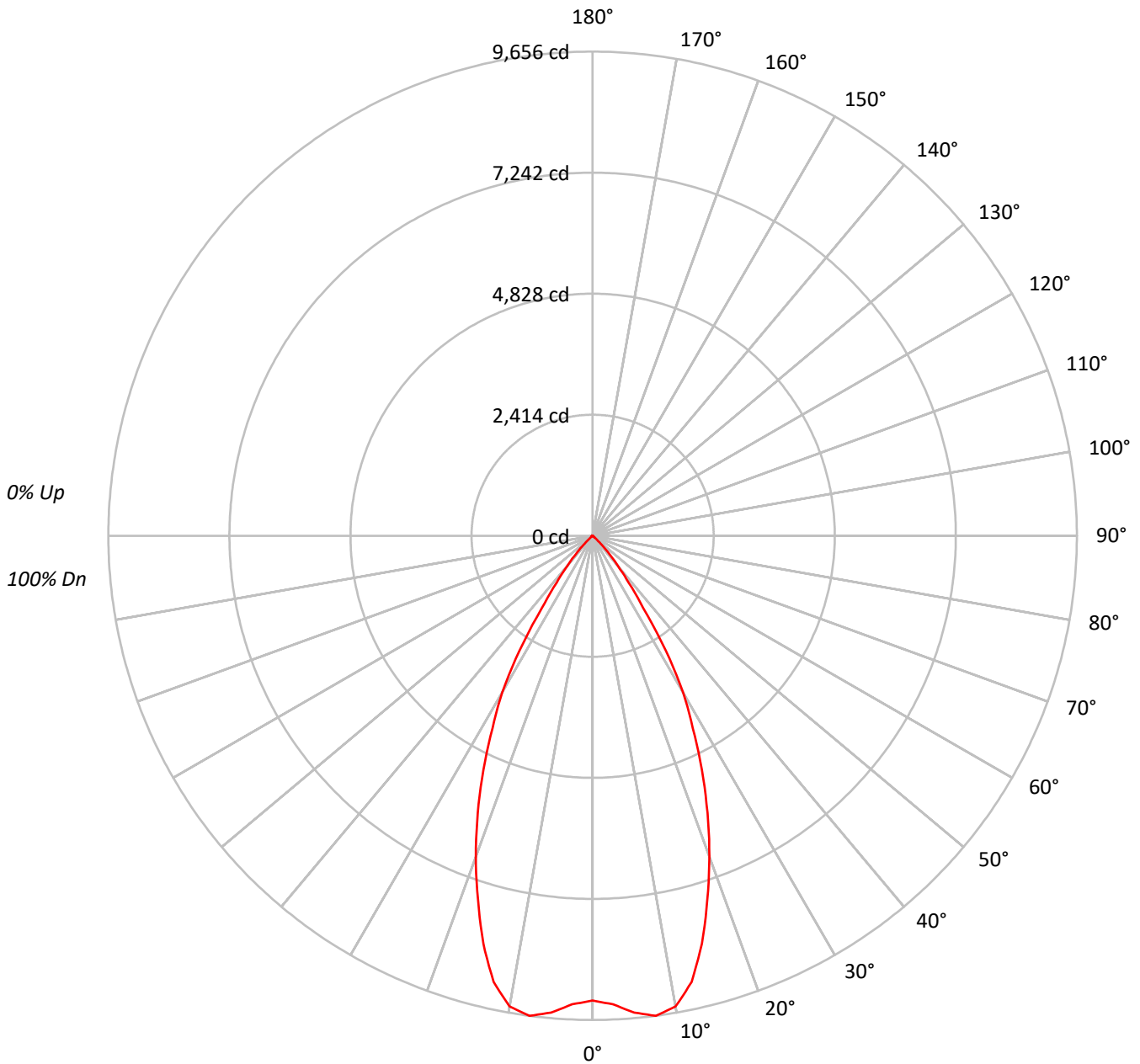
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7055.0 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 81.5  
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	70	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55			

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

	0°
0°	1138385
5°	1177165
10°	1189104
15°	1071159
20°	890168
25°	698373
30°	511104
35°	264123
40°	125428
45°	44130
50°	9958
55°	6490
60°	4546
65°	3430
70°	2407
75°	1614
80°	1203
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	911.7	12.9
10°-20°	2319.7	32.9
20°-30°	2347.3	33.3
30°-40°	1196.6	17.0
40°-50°	234.6	3.3
50°-60°	28.4	0.4
60°-70°	11.8	0.2
70°-80°	4.2	0.1
80°-90°	0.7	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°	5578.7	79.1
0°-40°	6775.3	96.0
0°-60°	7038.3	99.8
0°-90°	7055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7055.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9266	
5°	9545	912
15°	8422	2320
25°	5152	2347
35°	1761	1197
45°	254	235
55°	30	28
65°	12	12
75°	3	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9266.2
2.5°	9352.0
5°	9545.4
7.5°	9656.5
10°	9532.0
12.5°	9113.2
15°	8421.9
17.5°	7606.1
20°	6808.8
22.5°	5982.9
25°	5152.0
27.5°	4324.5
30°	3602.9
32.5°	2714.8
35°	1761.1
37.5°	1179.1
40°	782.1
42.5°	491.1
45°	254.0
47.5°	90.8
50°	52.1
52.5°	38.7
55°	30.3
57.5°	23.5
60°	18.5
62.5°	15.1
65°	11.8
67.5°	8.4
70°	6.7
72.5°	5.0
75°	3.4
77.5°	3.4
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)