

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: P684847

Luminaire Tested: **LX6C15D010 EX6159027 6LRMDLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C15D010 EX6159027 6LRMDLI  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

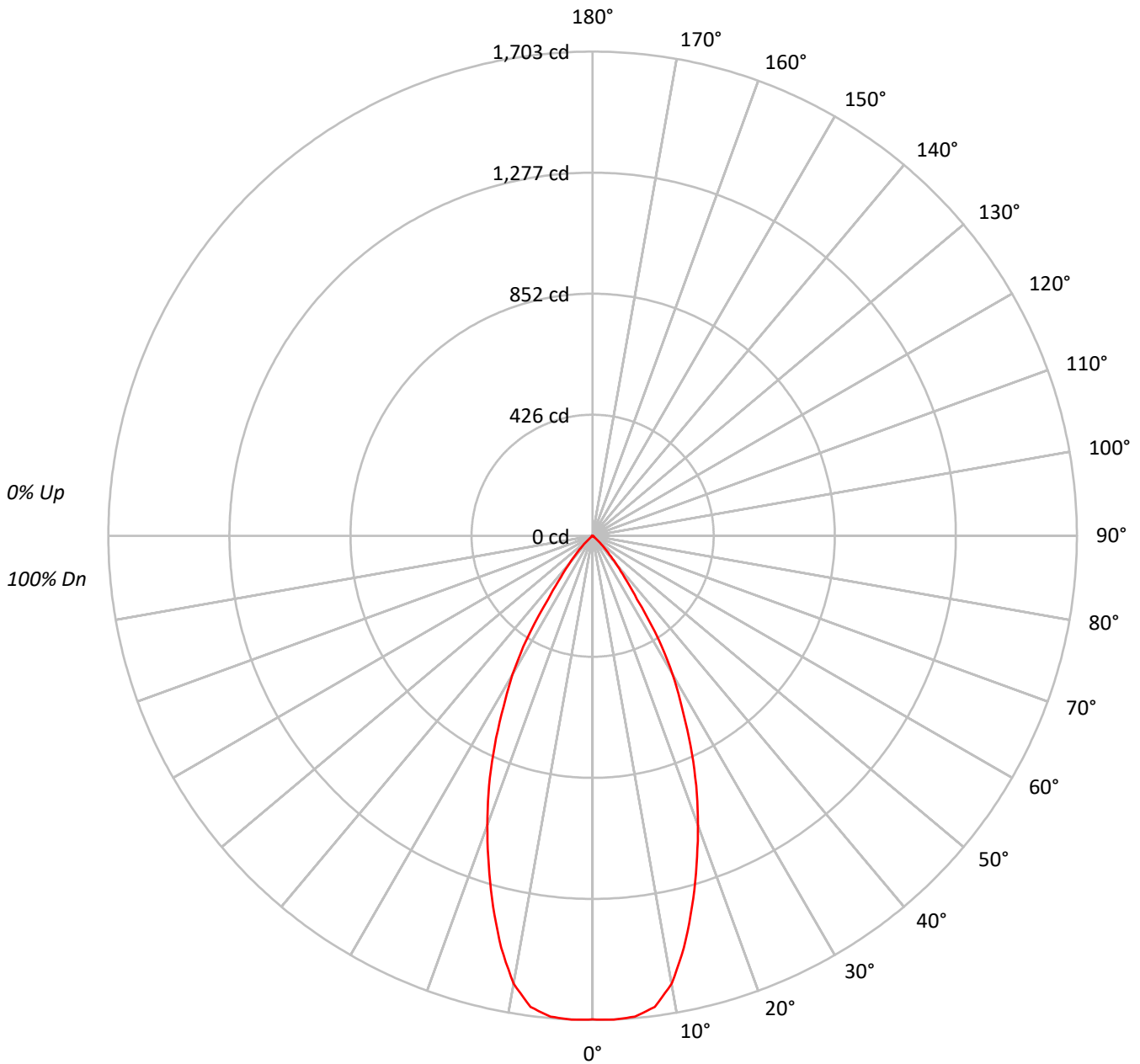
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1139.1 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 15.8  
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	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78			
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74			
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66			
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62			
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59			
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56			

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

	0°
0°	93260
5°	93440
10°	89049
15°	76675
20°	63169
25°	49340
30°	35632
35°	18250
40°	8895
45°	3698
50°	674
55°	392
60°	252
65°	195
70°	144
75°	127
80°	95
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.2	14.0
10°-20°	374.5	32.9
20°-30°	370.9	32.6
30°-40°	188.0	16.5
40°-50°	40.5	3.6
50°-60°	3.9	0.3
60°-70°	1.5	0.1
70°-80°	0.6	0.0
80°-90°	0.1	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°	904.5	79.4
0°-40°	1092.5	95.9
0°-60°	1136.9	99.8
0°-90°	1139.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1139.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1701	
5°	1698	159
15°	1351	374
25°	816	371
35°	273	188
45°	48	41
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1701.2
2.5°	1703.3
5°	1698.0
7.5°	1671.4
10°	1599.7
12.5°	1484.4
15°	1351.0
17.5°	1214.4
20°	1082.8
22.5°	951.1
25°	815.7
27.5°	677.6
30°	562.9
32.5°	433.6
35°	272.7
37.5°	183.4
40°	124.3
42.5°	80.5
45°	47.7
47.5°	21.4
50°	7.9
52.5°	5.3
55°	4.1
57.5°	2.9
60°	2.3
62.5°	1.8
65°	1.5
67.5°	1.2
70°	0.9
72.5°	0.6
75°	0.6
77.5°	0.3
80°	0.3
82.5°	0.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)