

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: P685171

Luminaire Tested: **LX6C70D010 EX6709030 6LRMDLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P685171  
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: LX6C70D010 EX6709030 6LRMDLI  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

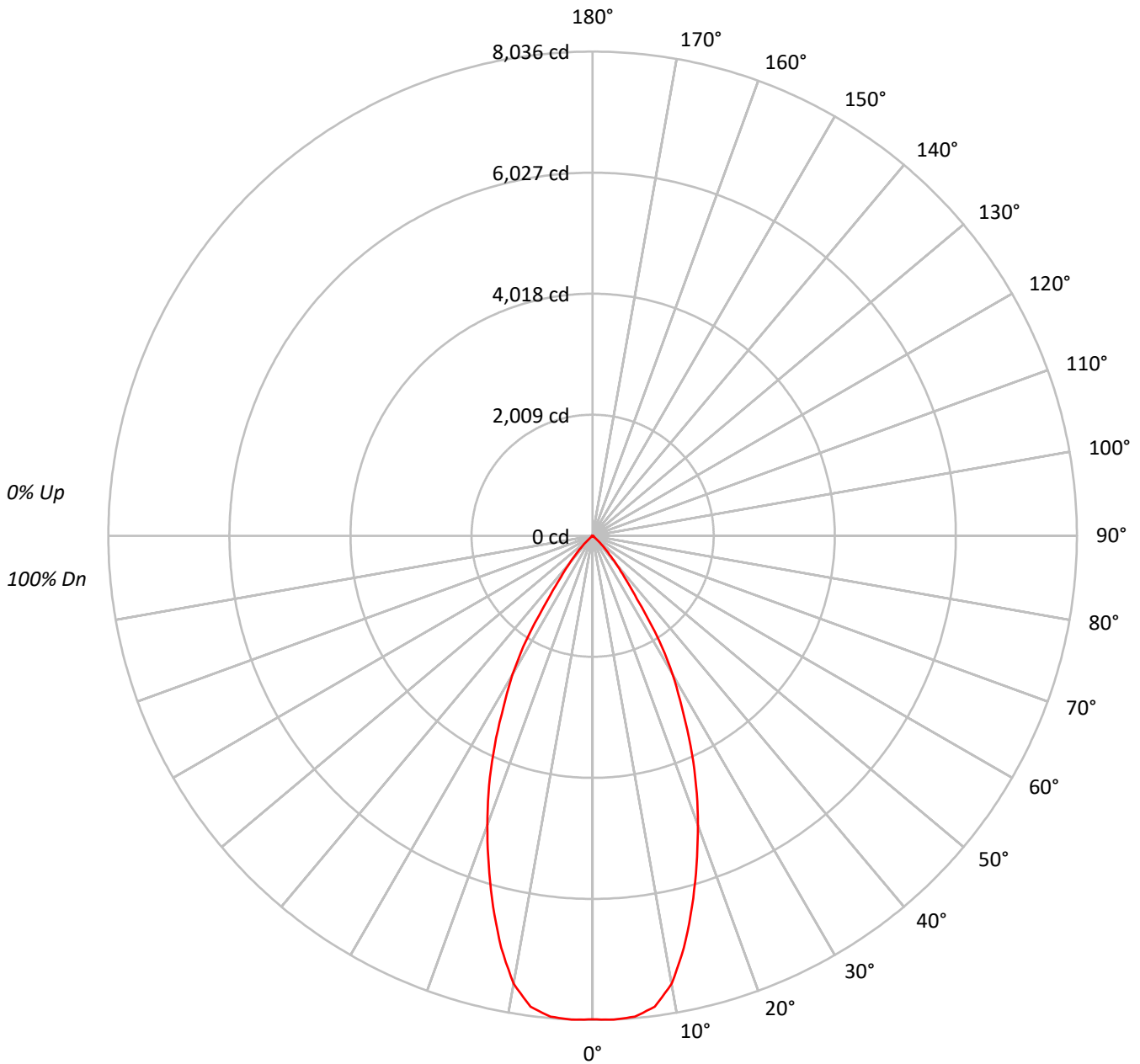
Lumens per Lamp: N/A  
Luminaire Lumens: 5374.0 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 78  
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°	440025
5°	440869
10°	420155
15°	361778
20°	298033
25°	232780
30°	168114
35°	86097
40°	41979
45°	17444
50°	3181
55°	1845
60°	1206
65°	895
70°	657
75°	593
80°	442
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	750.9	14.0
10°-20°	1766.8	32.9
20°-30°	1749.9	32.6
30°-40°	887.1	16.5
40°-50°	191.1	3.6
50°-60°	18.2	0.3
60°-70°	7.0	0.1
70°-80°	2.6	0.0
80°-90°	0.6	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°	4267.5	79.4
0°-40°	5154.6	95.9
0°-60°	5363.9	99.8
0°-90°	5374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5374.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8027	
5°	8012	751
15°	6374	1767
25°	3848	1750
35°	1286	887
45°	225	191
55°	19	18
65°	7	7
75°	3	3
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8026.7
2.5°	8036.4
5°	8011.5
7.5°	7885.9
10°	7547.8
12.5°	7003.9
15°	6374.5
17.5°	5729.8
20°	5108.7
22.5°	4487.5
25°	3848.4
27.5°	3196.9
30°	2655.8
32.5°	2045.7
35°	1286.5
37.5°	865.5
40°	586.6
42.5°	379.6
45°	225.0
47.5°	100.8
50°	37.3
52.5°	24.8
55°	19.3
57.5°	13.8
60°	11.0
62.5°	8.3
65°	6.9
67.5°	5.5
70°	4.1
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)