

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: P685181

Luminaire Tested: **LX6C70D010 EX6709040 6LRMDLI**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P685181  
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 EX6709040 6LRMDLI  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

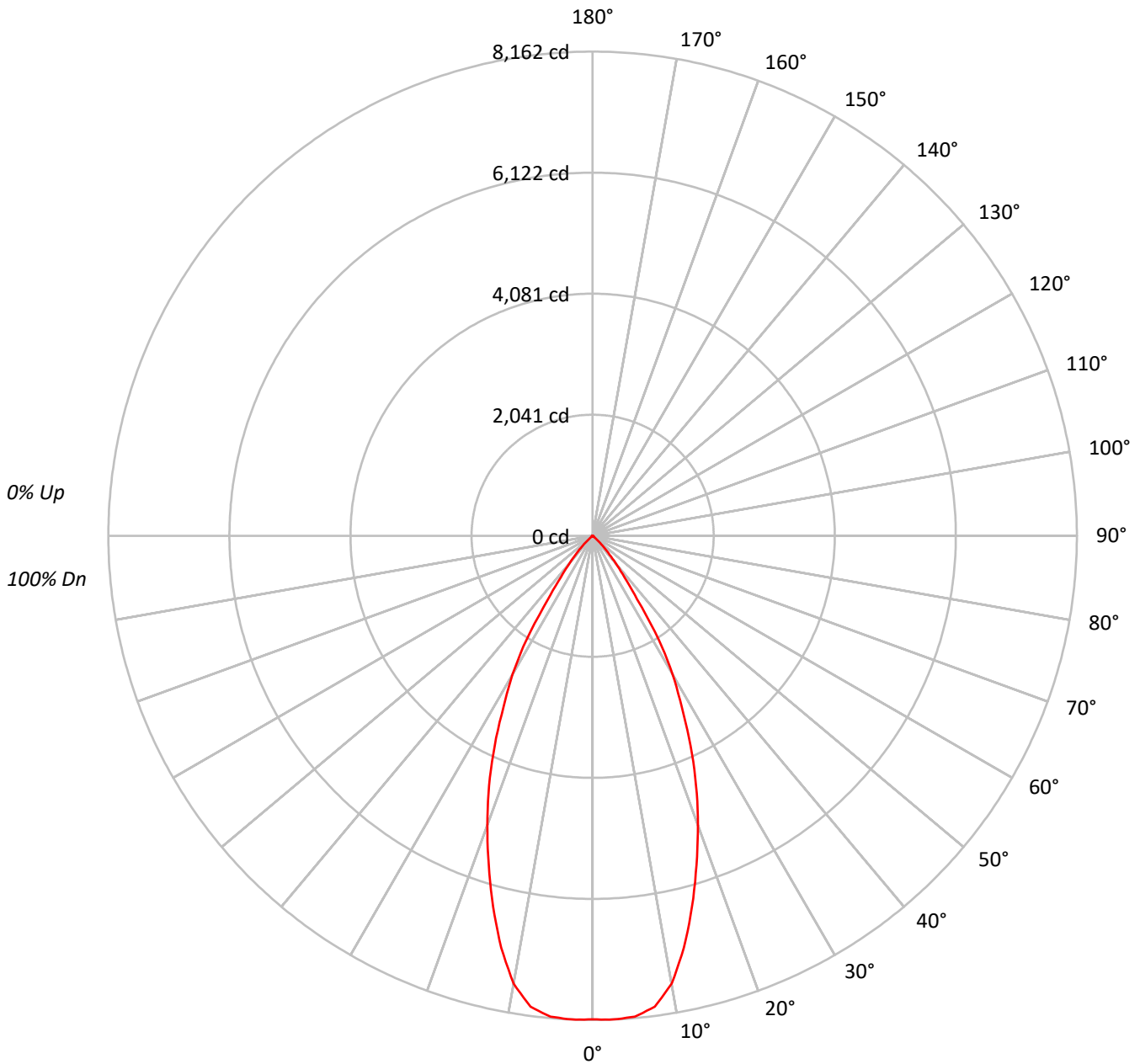
Lumens per Lamp: N/A  
Luminaire Lumens: 5458.0 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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			100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			89
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83			83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78			78
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74			74
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70			70
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			66
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62			62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59			59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56			56

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

	0°
0°	446905
5°	447765
10°	426718
15°	367431
20°	302689
25°	236421
30°	170741
35°	87442
40°	42637
45°	17715
50°	3232
55°	1873
60°	1228
65°	908
70°	673
75°	593
80°	442
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	762.7	14.0
10°-20°	1794.4	32.9
20°-30°	1777.2	32.6
30°-40°	900.9	16.5
40°-50°	194.1	3.6
50°-60°	18.5	0.3
60°-70°	7.1	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°	4334.3	79.4
0°-40°	5235.2	95.9
0°-60°	5447.7	99.8
0°-90°	5458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5458.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8152	
5°	8137	763
15°	6474	1794
25°	3909	1777
35°	1307	901
45°	228	194
55°	20	18
65°	7	7
75°	3	3
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8152.2
2.5°	8162.0
5°	8136.8
7.5°	8009.2
10°	7665.7
12.5°	7113.4
15°	6474.1
17.5°	5819.4
20°	5188.5
22.5°	4557.7
25°	3908.6
27.5°	3246.9
30°	2697.3
32.5°	2077.7
35°	1306.6
37.5°	879.0
40°	595.8
42.5°	385.5
45°	228.5
47.5°	102.3
50°	37.9
52.5°	25.2
55°	19.6
57.5°	14.0
60°	11.2
62.5°	8.4
65°	7.0
67.5°	5.6
70°	4.2
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)