

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: P685172

Luminaire Tested: **LX6C70D010 EX6709035 6LBMLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P685172  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C70D010 EX6709035 6LBMLI  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBM TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

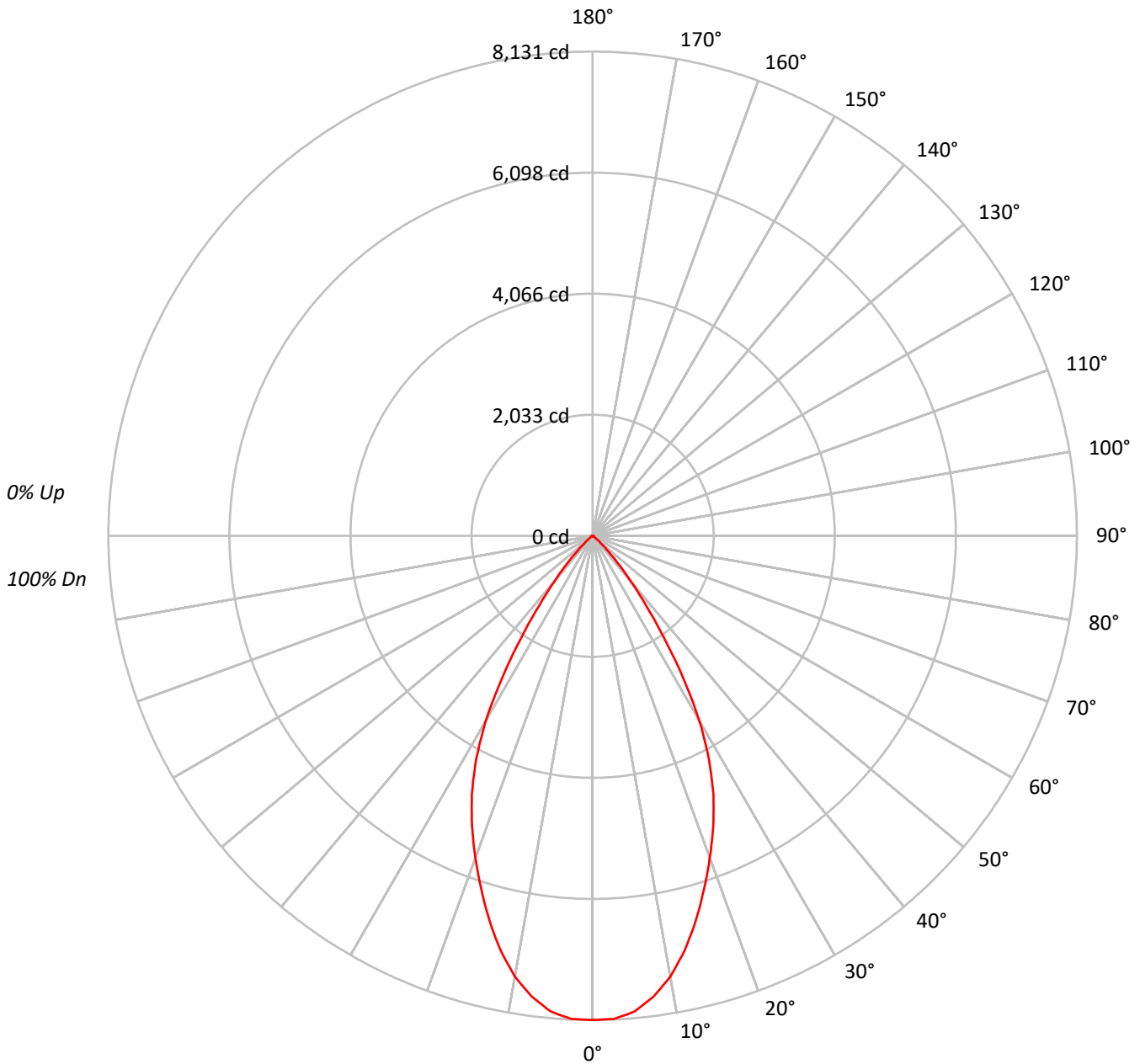
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6497.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85  
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	100	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82	82	82	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71	71	71	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67	67	67	67
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63	63	63	63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52	52	52	52

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

	0°
0°	445726
5°	441486
10°	418346
15°	379821
20°	335627
25°	290158
30°	226813
35°	139093
40°	71391
45°	28367
50°	9211
55°	3173
60°	2719
65°	2179
70°	1346
75°	1779
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	749.0	11.5
10°-20°	1864.8	28.7
20°-30°	2167.7	33.4
30°-40°	1327.4	20.4
40°-50°	329.6	5.1
50°-60°	38.5	0.6
60°-70°	14.4	0.2
70°-80°	5.5	0.1
80°-90°	0.0	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°	4781.5	73.6
0°-40°	6108.9	94.0
0°-60°	6477.1	99.7
0°-90°	6497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6497.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8131	
5°	8023	749
15°	6692	1865
25°	4797	2168
35°	2078	1327
45°	366	330
55°	33	39
65°	17	14
75°	8	6
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8130.7
2.5°	8122.3
5°	8022.7
7.5°	7806.4
10°	7515.3
12.5°	7133.0
15°	6692.4
17.5°	6218.6
20°	5753.1
22.5°	5287.3
25°	4797.0
27.5°	4231.7
30°	3583.1
32.5°	2826.6
35°	2078.4
37.5°	1463.1
40°	997.6
42.5°	623.4
45°	365.9
47.5°	207.9
50°	108.0
52.5°	50.0
55°	33.2
57.5°	24.8
60°	24.8
62.5°	16.8
65°	16.8
67.5°	8.4
70°	8.4
72.5°	8.4
75°	8.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)