

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: P684522

Luminaire Tested: **LX6C70D010 EX6C709027 6LBMDH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684522  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C70D010 EX6C709027 6LBMDH  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

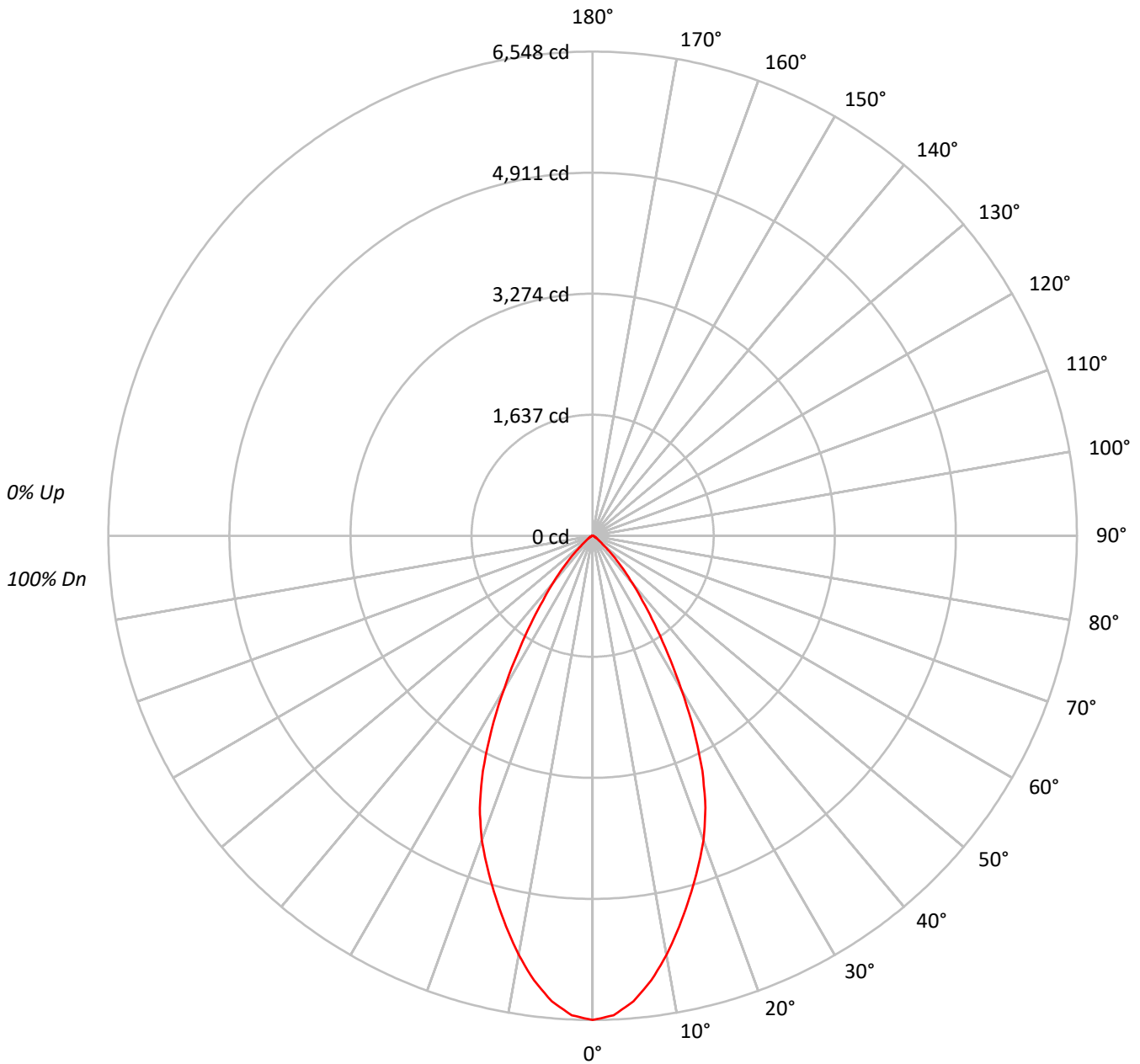
Lumens per Lamp: N/A  
Luminaire Lumens: 4982.1 lumens  
Efficiency: N/A  
Efficacy: 63.9 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

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

	0°
0°	358968
5°	347858
10°	320318
15°	287306
20°	255633
25°	212286
30°	151663
35°	97494
40°	59404
45°	33027
50°	14635
55°	8478
60°	5581
65°	3956
70°	2789
75°	2160
80°	1389
85°	943



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	585.1	11.7
10°-20°	1416.3	28.4
20°-30°	1575.1	31.6
30°-40°	933.3	18.7
40°-50°	341.9	6.9
50°-60°	85.9	1.7
60°-70°	31.4	0.6
70°-80°	10.9	0.2
80°-90°	2.2	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°	3576.5	71.8
0°-40°	4509.8	90.5
0°-60°	4937.6	99.1
0°-90°	4982.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4982.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6548	
5°	6321	585
15°	5062	1416
25°	3510	1575
35°	1457	933
45°	426	342
55°	89	86
65°	30	31
75°	10	11
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6548.1
2.5°	6490.0
5°	6321.3
7.5°	6065.4
10°	5754.3
12.5°	5411.2
15°	5062.3
17.5°	4723.5
20°	4381.9
22.5°	3985.0
25°	3509.6
27.5°	2962.9
30°	2395.9
32.5°	1888.5
35°	1456.8
37.5°	1106.4
40°	830.1
42.5°	604.8
45°	426.0
47.5°	270.4
50°	171.6
52.5°	120.7
55°	88.7
57.5°	66.9
60°	50.9
62.5°	39.3
65°	30.5
67.5°	23.3
70°	17.4
72.5°	13.1
75°	10.2
77.5°	7.3
80°	4.4
82.5°	2.9
85°	1.5
87.5°	1.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)