

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: P684692

Luminaire Tested: **LX6C90D010 EX6C909035 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684692  
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: LX6C90D010 EX6C909035 6LBMDH  
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

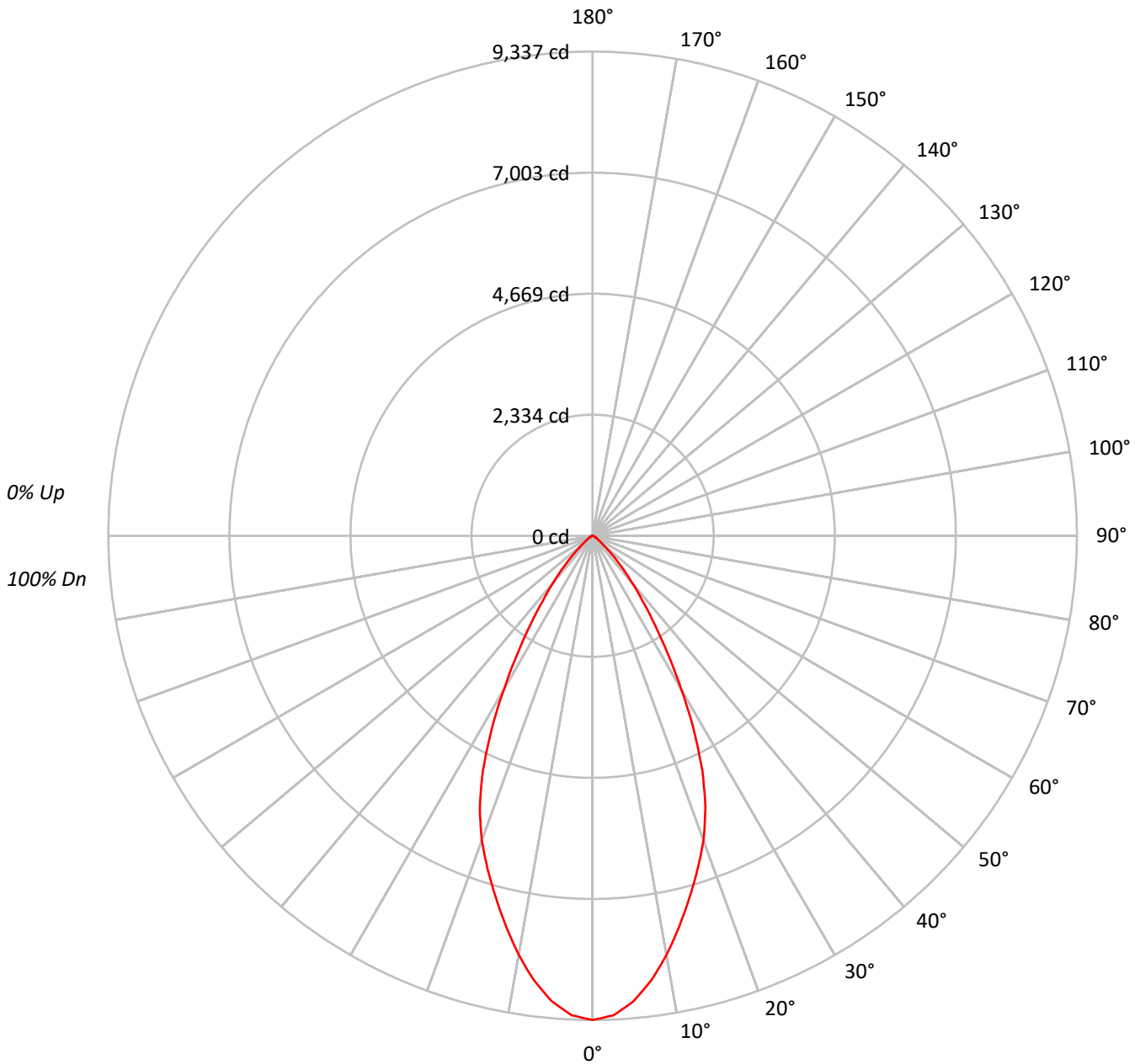
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7104.0 lumens  
Efficiency: N/A  
Efficacy: 73.2 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): 97.1  
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°	511867
5°	496026
10°	456755
15°	409679
20°	364516
25°	302703
30°	216261
35°	139013
40°	84709
45°	47090
50°	20861
55°	12090
60°	7960
65°	5643
70°	3991
75°	3071
80°	1957
85°	1321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	834.3	11.7
10°-20°	2019.6	28.4
20°-30°	2245.9	31.6
30°-40°	1330.8	18.7
40°-50°	487.5	6.9
50°-60°	122.5	1.7
60°-70°	44.7	0.6
70°-80°	15.6	0.2
80°-90°	3.1	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°	5099.8	71.8
0°-40°	6430.6	90.5
0°-60°	7040.6	99.1
0°-90°	7104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7104.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9337	
5°	9014	834
15°	7218	2020
25°	5004	2246
35°	2077	1331
45°	607	487
55°	126	123
65°	44	45
75°	14	16
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9337.2
2.5°	9254.3
5°	9013.8
7.5°	8648.9
10°	8205.3
12.5°	7716.0
15°	7218.5
17.5°	6735.5
20°	6248.3
22.5°	5682.3
25°	5004.4
27.5°	4225.0
30°	3416.4
32.5°	2692.9
35°	2077.2
37.5°	1577.6
40°	1183.7
42.5°	862.4
45°	607.4
47.5°	385.6
50°	244.6
52.5°	172.1
55°	126.5
57.5°	95.4
60°	72.6
62.5°	56.0
65°	43.5
67.5°	33.2
70°	24.9
72.5°	18.7
75°	14.5
77.5°	10.4
80°	6.2
82.5°	4.1
85°	2.1
87.5°	2.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)