

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: P684373

Luminaire Tested: **LX6C50D010 EX6C509030 6LBMDH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684373  
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: LX6C50D010 EX6C509030 6LBMDH  
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

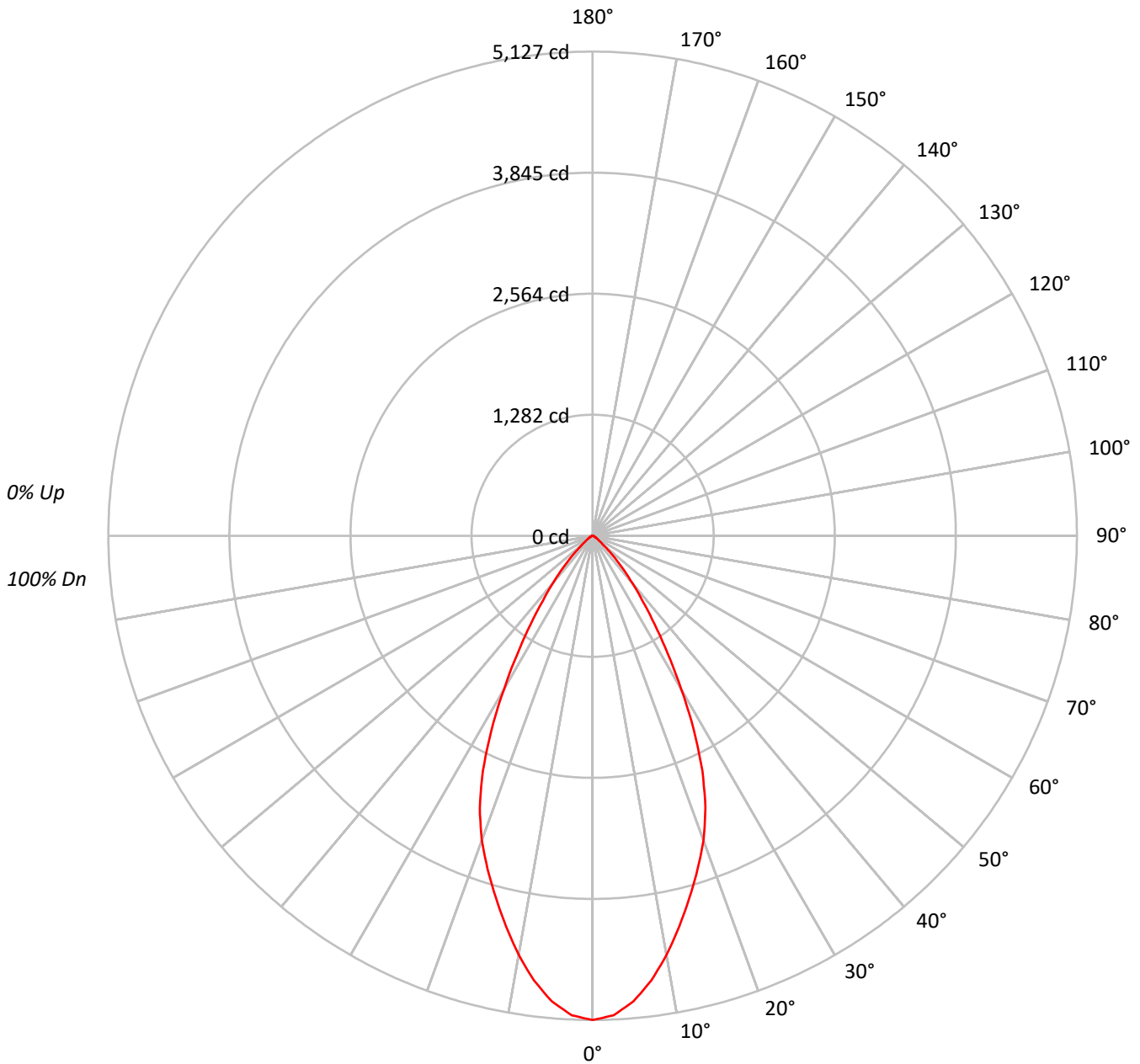
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3901.0 lumens  
Efficiency: N/A  
Efficacy: 66.8 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): 58.4  
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

TEST NUMBER: P684373

CATALOG NUMBER: LX6C50D010 EX6C509030 6LBMDH

### Luminous Intensity Polar Plot





TEST NUMBER: P684373

CATALOG NUMBER: LX6C50D010 EX6C509030 6LBMDH

**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°	281079
5°	272380
10°	250814
15°	224967
20°	200165
25°	166225
30°	118759
35°	76339
40°	46516
45°	25855
50°	11454
55°	6633
60°	4364
65°	3100
70°	2196
75°	1694
80°	1073
85°	692



TEST NUMBER: P684373

CATALOG NUMBER: LX6C50D010 EX6C509030 6LBMDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.2	11.7
10°-20°	1109.0	28.4
20°-30°	1233.3	31.6
30°-40°	730.8	18.7
40°-50°	267.7	6.9
50°-60°	67.3	1.7
60°-70°	24.5	0.6
70°-80°	8.5	0.2
80°-90°	1.7	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°	2800.5	71.8
0°-40°	3531.2	90.5
0°-60°	3866.2	99.1
0°-90°	3901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3901.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5127	
5°	4950	458
15°	3964	1109
25°	2748	1233
35°	1141	731
45°	334	268
55°	69	67
65°	24	25
75°	8	9
85°	1	2
90°	0	



TEST NUMBER: P684373

CATALOG NUMBER: LX6C50D010 EX6C509030 6LBMDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5127.3
2.5°	5081.8
5°	4949.7
7.5°	4749.4
10°	4505.7
12.5°	4237.1
15°	3963.9
17.5°	3698.6
20°	3431.1
22.5°	3120.3
25°	2748.1
27.5°	2320.0
30°	1876.1
32.5°	1478.8
35°	1140.7
37.5°	866.3
40°	650.0
42.5°	473.6
45°	333.5
47.5°	211.7
50°	134.3
52.5°	94.5
55°	69.4
57.5°	52.4
60°	39.8
62.5°	30.7
65°	23.9
67.5°	18.2
70°	13.7
72.5°	10.2
75°	8.0
77.5°	5.7
80°	3.4
82.5°	2.3
85°	1.1
87.5°	1.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)