

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: P683956

Luminaire Tested: **LX6C120D010 EX6C1209030 6LBSQH**

Issue Date: 2/16/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P683956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C120D010 EX6C1209030 6LBSQH  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBSQ TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

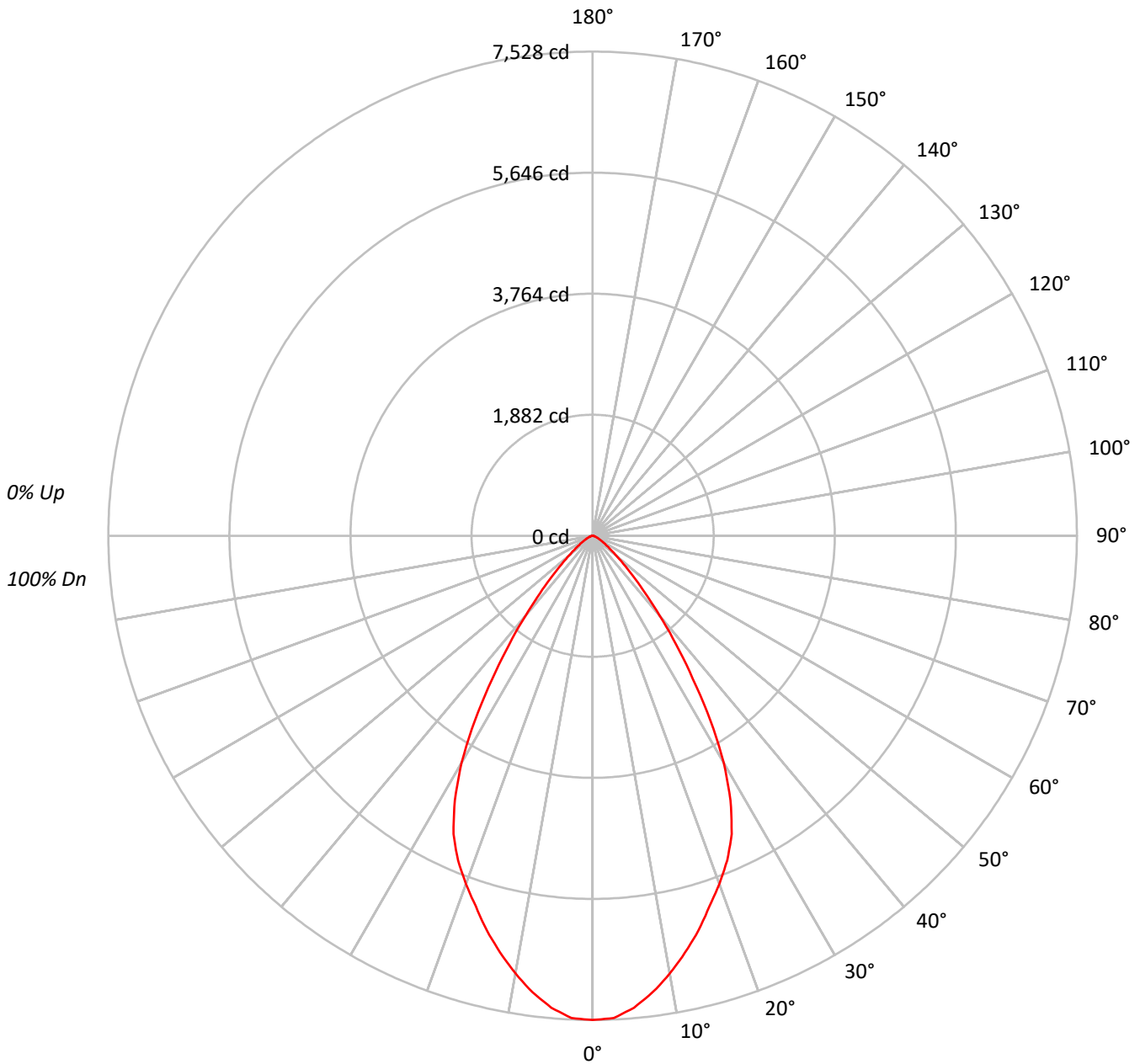
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7607.0 lumens  
Efficiency: N/A  
Efficacy: 53.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 142.3  
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

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

	0°
0°	324136
5°	318334
10°	302069
15°	283262
20°	263802
25°	243068
30°	202530
35°	142746
40°	90974
45°	54253
50°	32024
55°	20373
60°	14028
65°	9964
70°	6861
75°	5423
80°	2653
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	688.3	9.0
10°-20°	1780.7	23.4
20°-30°	2307.3	30.3
30°-40°	1713.0	22.5
40°-50°	723.2	9.5
50°-60°	256.7	3.4
60°-70°	99.1	1.3
70°-80°	34.3	0.5
80°-90°	4.4	0.1
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°	4776.3	62.8
0°-40°	6489.3	85.3
0°-60°	7469.2	98.2
0°-90°	7607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7528	
5°	7365	688
15°	6355	1781
25°	5116	2307
35°	2716	1713
45°	891	723
55°	271	257
65°	98	99
75°	33	34
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7528.3
2.5°	7506.4
5°	7365.4
7.5°	7158.7
10°	6909.2
12.5°	6637.3
15°	6354.8
17.5°	6040.1
20°	5757.5
22.5°	5464.2
25°	5116.5
27.5°	4638.4
30°	4073.7
32.5°	3410.8
35°	2715.8
37.5°	2129.3
40°	1618.6
42.5°	1205.7
45°	891.0
47.5°	651.7
50°	478.1
52.5°	358.4
55°	271.4
57.5°	206.2
60°	162.9
62.5°	119.6
65°	97.8
67.5°	75.9
70°	54.5
72.5°	43.3
75°	32.6
77.5°	21.9
80°	10.7
82.5°	10.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)