

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: P683972

Luminaire Tested: **LX6C120D010 EX6C1209040 6LBSQH**

Issue Date: 2/16/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P683972  
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 EX6C1209040 6LBSQH  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBSQ TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

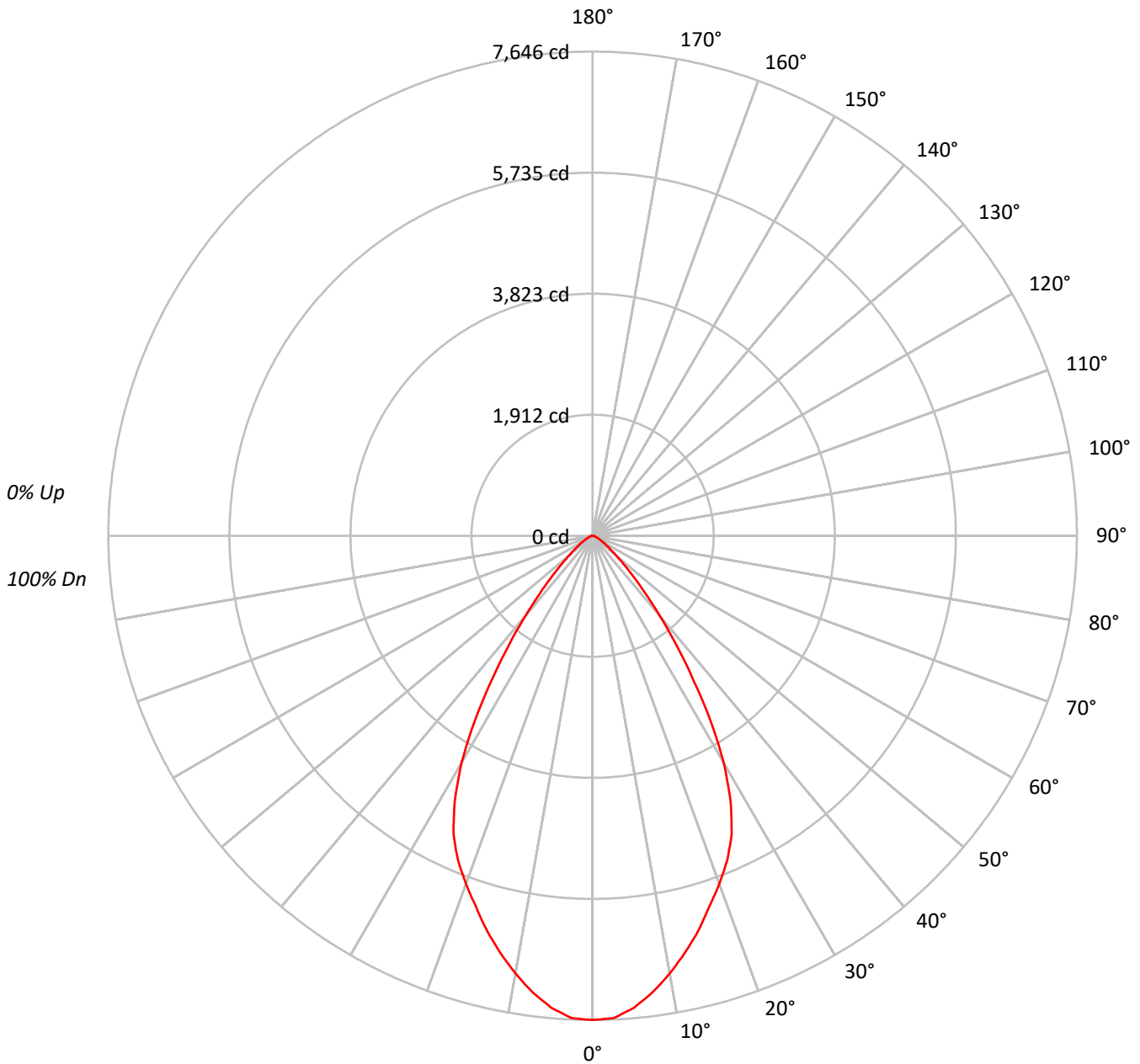
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7726.1 lumens  
Efficiency: N/A  
Efficacy: 54.3 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°	329208
5°	323312
10°	306791
15°	287693
20°	267930
25°	246868
30°	205702
35°	144980
40°	92396
45°	55099
50°	32527
55°	20695
60°	14251
65°	10117
70°	6962
75°	5506
80°	2703
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	699.1	9.0
10°-20°	1808.6	23.4
20°-30°	2343.4	30.3
30°-40°	1739.8	22.5
40°-50°	734.5	9.5
50°-60°	260.8	3.4
60°-70°	100.7	1.3
70°-80°	34.8	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°	4851.1	62.8
0°-40°	6590.9	85.3
0°-60°	7586.1	98.2
0°-90°	7726.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7726.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7646	
5°	7481	699
15°	6454	1809
25°	5196	2343
35°	2758	1740
45°	905	734
55°	276	261
65°	99	101
75°	33	35
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7646.1
2.5°	7623.9
5°	7480.6
7.5°	7270.7
10°	7017.2
12.5°	6741.2
15°	6454.2
17.5°	6134.5
20°	5847.6
22.5°	5549.7
25°	5196.5
27.5°	4711.0
30°	4137.5
32.5°	3464.2
35°	2758.3
37.5°	2162.6
40°	1643.9
42.5°	1224.6
45°	904.9
47.5°	661.9
50°	485.6
52.5°	364.1
55°	275.7
57.5°	209.5
60°	165.5
62.5°	121.5
65°	99.3
67.5°	77.1
70°	55.3
72.5°	44.0
75°	33.1
77.5°	22.2
80°	10.9
82.5°	10.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)