

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: P684768

Luminaire Tested: **LX6C100D010 EX61009027 6LBSLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C100D010 EX61009027 6LBSLI  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

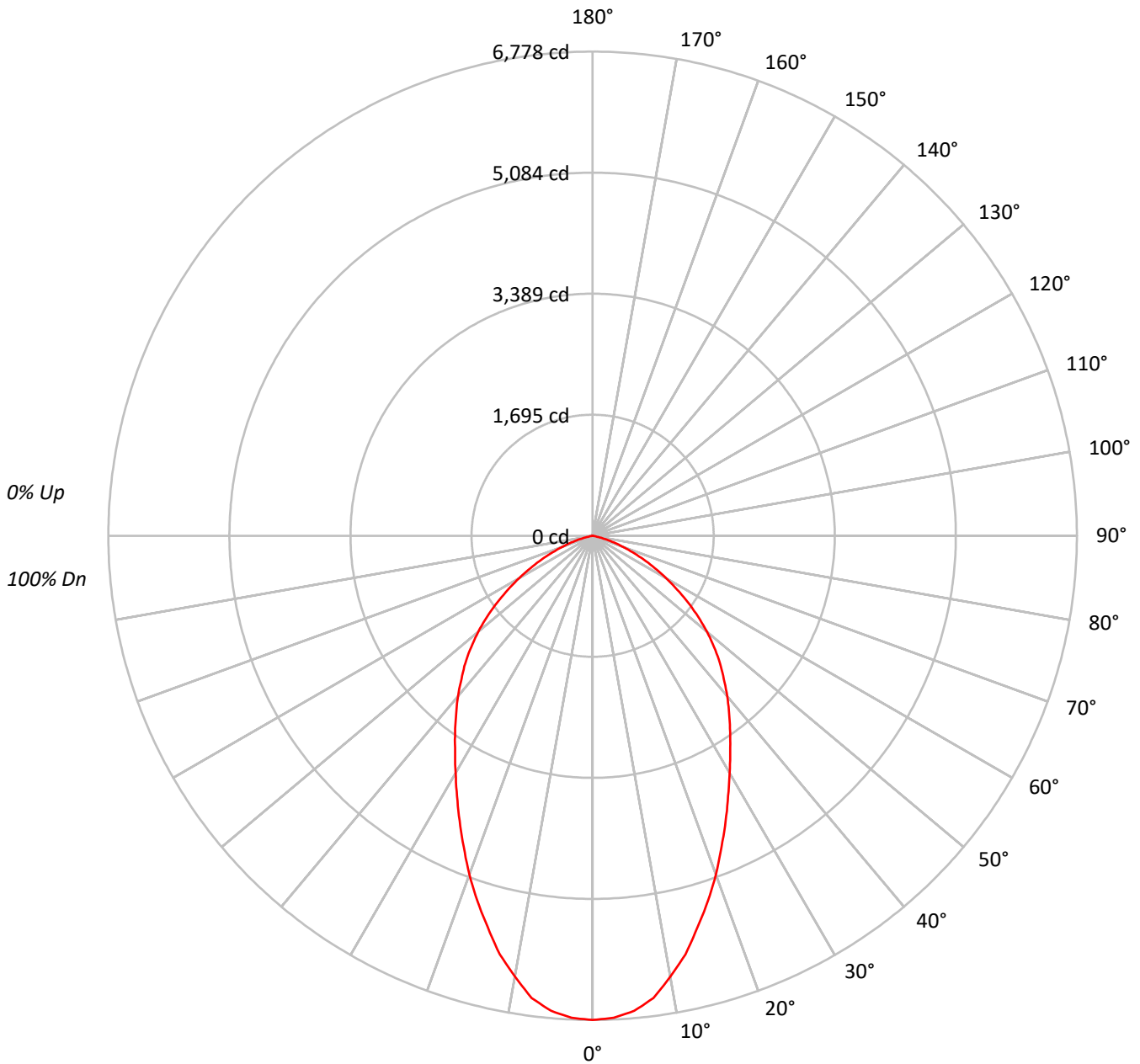
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10741.0 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 114.4  
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

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77				77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68				68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60				60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53				53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47				47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43				43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39				39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36				36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33				33

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

	0°
0°	371577
5°	367344
10°	348719
15°	321863
20°	294241
25°	266429
30°	242696
35°	224520
40°	209865
45°	195501
50°	178092
55°	155951
60°	130110
65°	102125
70°	71326
75°	38655
80°	7229
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	624.6	5.8
10°-20°	1590.1	14.8
20°-30°	2027.7	18.9
30°-40°	2102.8	19.6
40°-50°	1937.6	18.0
50°-60°	1457.5	13.6
60°-70°	786.7	7.3
70°-80°	211.0	2.0
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°	4242.3	39.5
0°-40°	6345.1	59.1
0°-60°	9740.2	90.7
0°-90°	10741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10741.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6778	
5°	6675	625
15°	5671	1590
25°	4405	2028
35°	3355	2103
45°	2522	1938
55°	1632	1457
65°	787	787
75°	182	211
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6778.1
2.5°	6755.4
5°	6675.4
7.5°	6527.0
10°	6264.5
12.5°	6002.2
15°	5671.2
17.5°	5363.3
20°	5043.7
22.5°	4712.8
25°	4404.7
27.5°	4108.0
30°	3834.0
32.5°	3583.0
35°	3354.9
37.5°	3138.0
40°	2932.6
42.5°	2715.9
45°	2521.7
47.5°	2305.1
50°	2088.2
52.5°	1860.1
55°	1631.7
57.5°	1403.6
60°	1186.7
62.5°	981.3
65°	787.3
67.5°	604.8
70°	445.0
72.5°	308.1
75°	182.5
77.5°	79.8
80°	22.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)