

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: P684788

Luminaire Tested: **LX6C100D010 EX61009050 6LBSLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684788  
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 EX61009050 6LBSLI  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

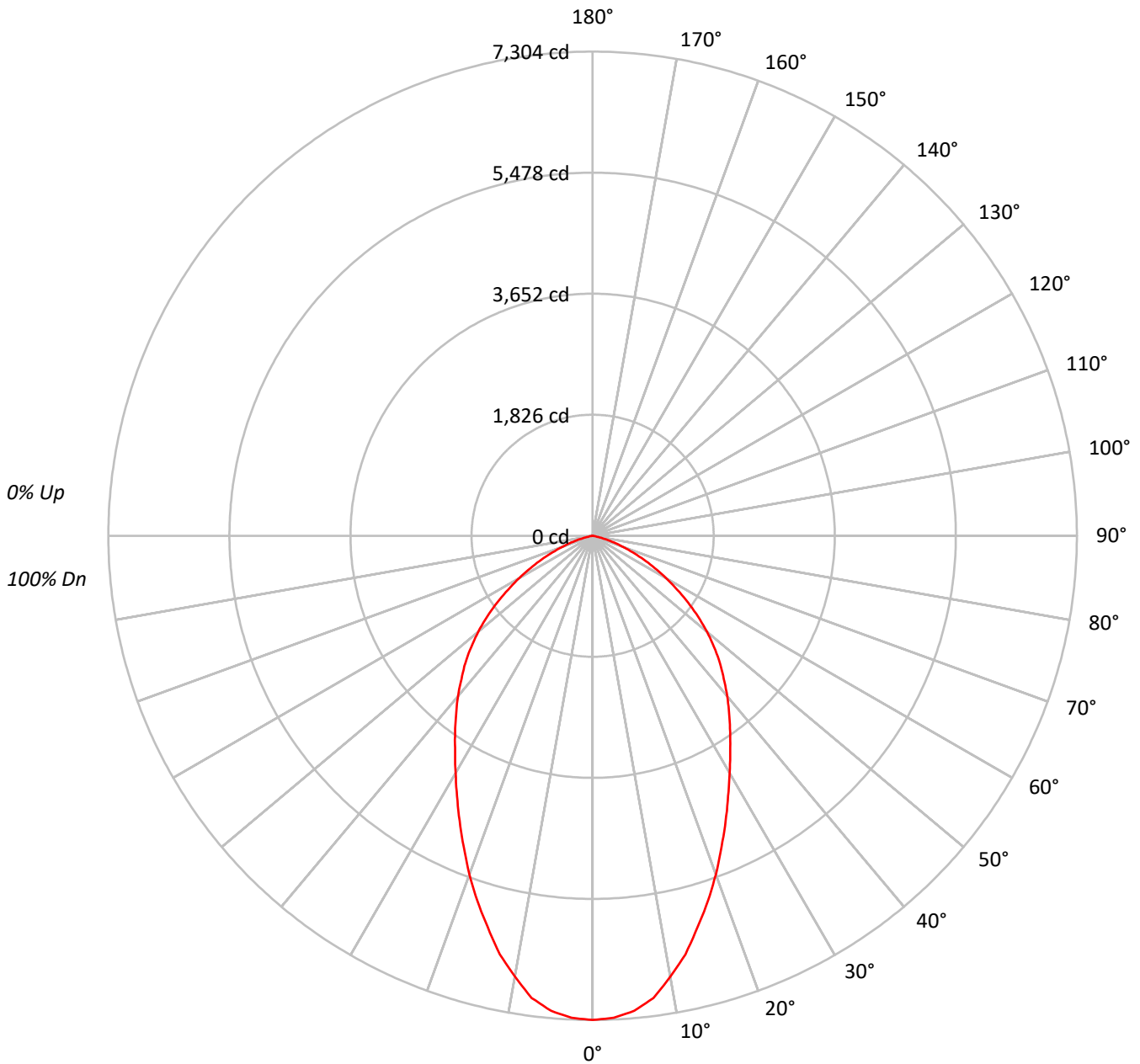
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11574.0 lumens  
Efficiency: N/A  
Efficacy: 101.2 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				
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33			

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

	0°
0°	400390
5°	395833
10°	375761
15°	346824
20°	317058
25°	287091
30°	261521
35°	241934
40°	226138
45°	210665
50°	191900
55°	168042
60°	140197
65°	110051
70°	76856
75°	41642
80°	7798
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	673.0	5.8
10°-20°	1713.4	14.8
20°-30°	2184.9	18.9
30°-40°	2265.9	19.6
40°-50°	2087.8	18.0
50°-60°	1570.5	13.6
60°-70°	847.7	7.3
70°-80°	227.4	2.0
80°-90°	3.3	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°	4571.3	39.5
0°-40°	6837.2	59.1
0°-60°	10495.5	90.7
0°-90°	11574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11574.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7304	
5°	7193	673
15°	6111	1713
25°	4746	2185
35°	3615	2266
45°	2717	2088
55°	1758	1570
65°	848	848
75°	197	227
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7303.7
2.5°	7279.3
5°	7193.1
7.5°	7033.2
10°	6750.3
12.5°	6467.7
15°	6111.0
17.5°	5779.2
20°	5434.8
22.5°	5078.3
25°	4746.3
27.5°	4426.6
30°	4131.4
32.5°	3860.9
35°	3615.1
37.5°	3381.4
40°	3160.0
42.5°	2926.5
45°	2717.3
47.5°	2483.8
50°	2250.1
52.5°	2004.3
55°	1758.2
57.5°	1512.4
60°	1278.7
62.5°	1057.4
65°	848.4
67.5°	651.7
70°	479.5
72.5°	332.0
75°	196.6
77.5°	86.0
80°	24.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)