

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: P684888

Luminaire Tested: **LX6C20D010 EX6209027 6LBSLI**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684888  
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: LX6C20D010 EX6209027 6LBSLI  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

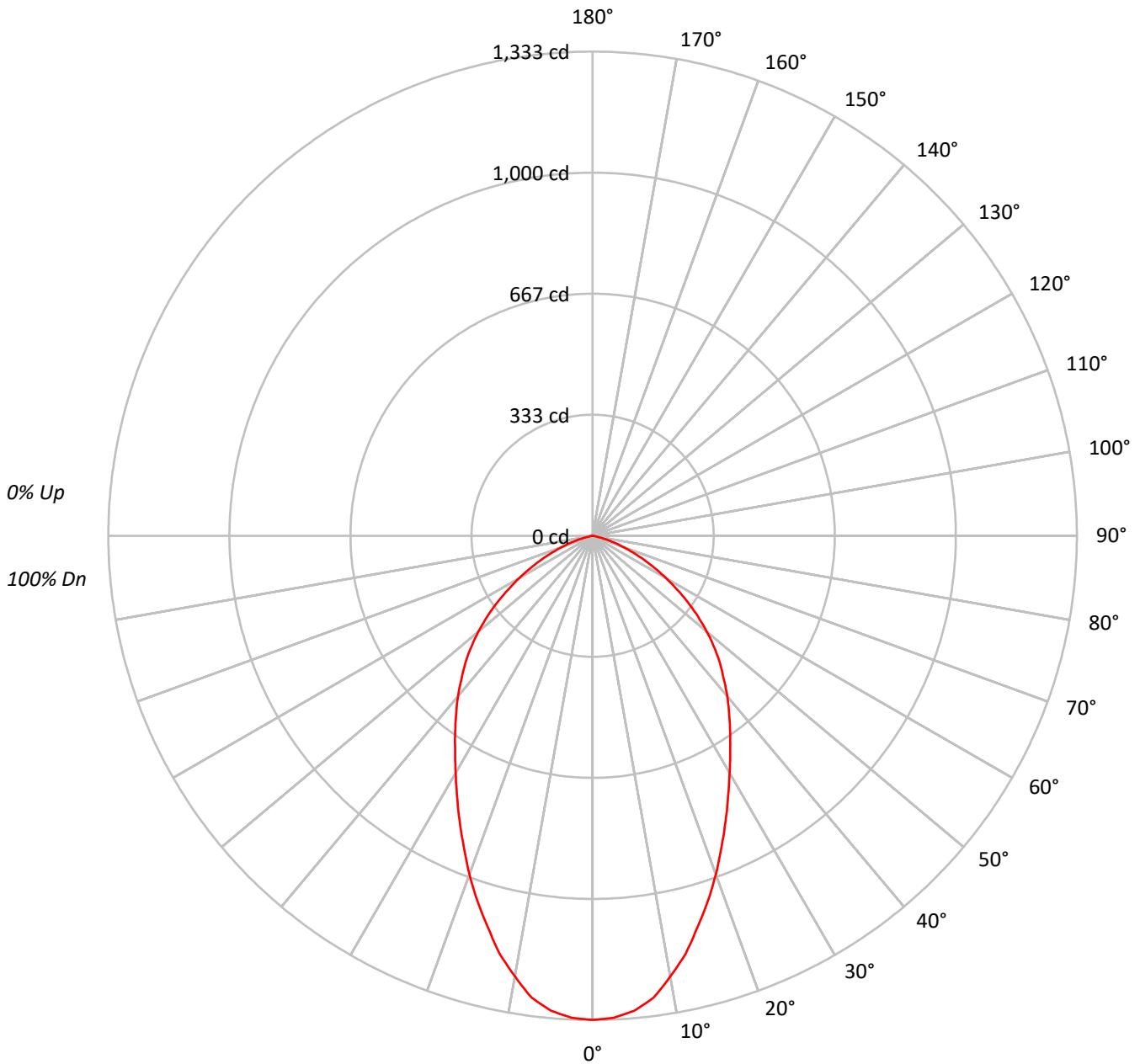
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2111.9 lumens  
Efficiency: N/A  
Efficacy: 96.9 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): 21.8  
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
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°	73064
5°	72232
10°	68569
15°	63286
20°	57854
25°	52388
30°	47723
35°	44149
40°	41263
45°	38438
50°	35018
55°	30661
60°	25579
65°	20080
70°	14025
75°	7604
80°	1421
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.8	5.8
10°-20°	312.7	14.8
20°-30°	398.7	18.9
30°-40°	413.5	19.6
40°-50°	381.0	18.0
50°-60°	286.6	13.6
60°-70°	154.7	7.3
70°-80°	41.5	2.0
80°-90°	0.6	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°	834.2	39.5
0°-40°	1247.6	59.1
0°-60°	1915.2	90.7
0°-90°	2111.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2111.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1333	
5°	1313	123
15°	1115	313
25°	866	399
35°	660	413
45°	496	381
55°	321	287
65°	155	155
75°	36	42
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1332.8
2.5°	1328.3
5°	1312.6
7.5°	1283.4
10°	1231.8
12.5°	1180.2
15°	1115.1
17.5°	1054.6
20°	991.7
22.5°	926.7
25°	866.1
27.5°	807.8
30°	753.9
32.5°	704.5
35°	659.7
37.5°	617.0
40°	576.6
42.5°	534.0
45°	495.8
47.5°	453.2
50°	410.6
52.5°	365.7
55°	320.8
57.5°	276.0
60°	233.3
62.5°	192.9
65°	154.8
67.5°	118.9
70°	87.5
72.5°	60.6
75°	35.9
77.5°	15.7
80°	4.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)