

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: P685279

Luminaire Tested: **LX6C90D010 EX6909040 6LBSLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P685279  
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: LX6C90D010 EX6909040 6LBSLI  
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

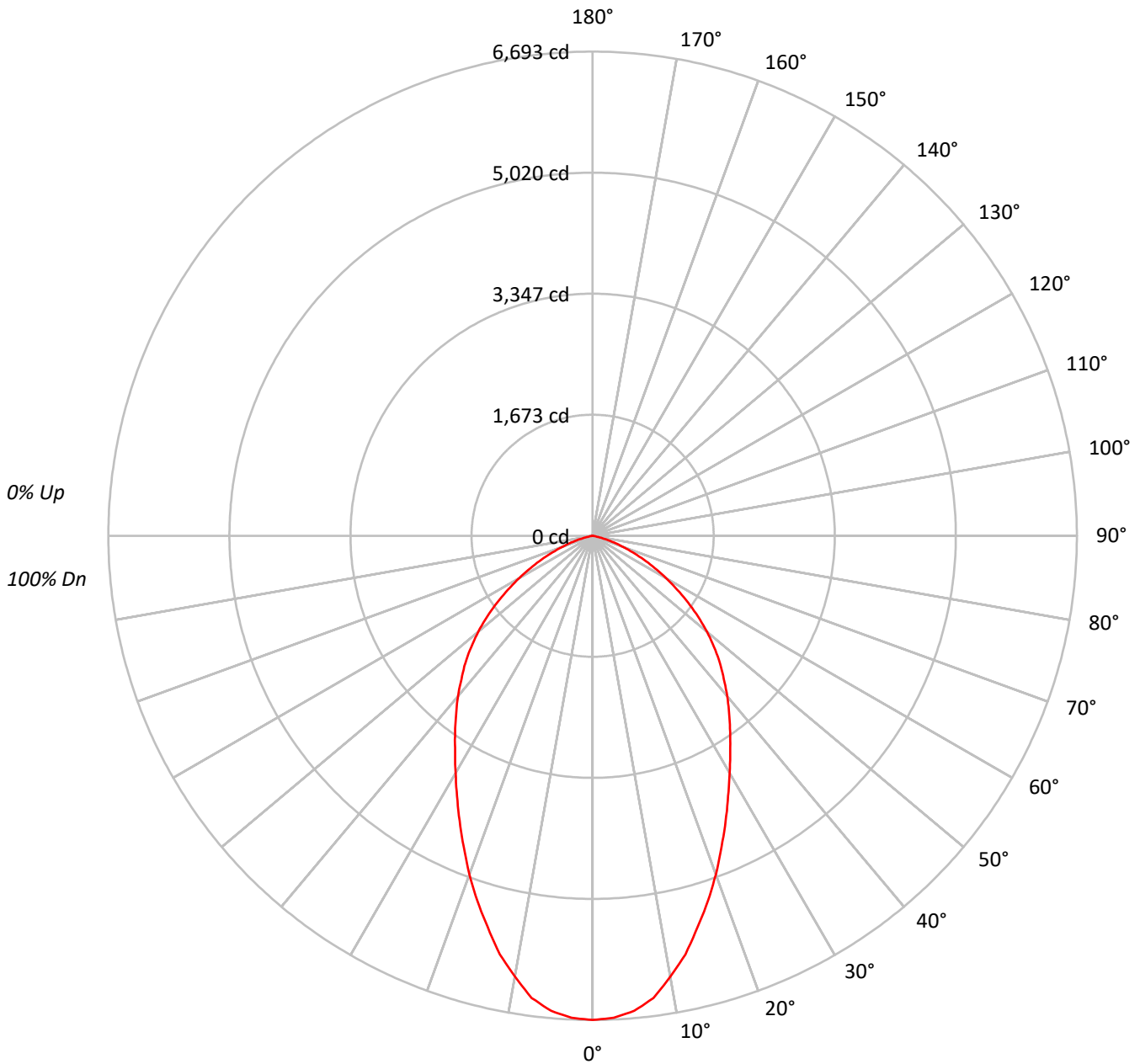
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10606.0 lumens  
Efficiency: N/A  
Efficacy: 109.2 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): 97.1  
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°	366906
5°	362727
10°	344338
15°	317817
20°	290543
25°	263078
30°	239651
35°	221696
40°	207224
45°	193043
50°	175849
55°	153992
60°	128477
65°	100841
70°	70429
75°	38168
80°	7135
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.7	5.8
10°-20°	1570.1	14.8
20°-30°	2002.2	18.9
30°-40°	2076.3	19.6
40°-50°	1913.2	18.0
50°-60°	1439.1	13.6
60°-70°	776.8	7.3
70°-80°	208.4	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°	4189.0	39.5
0°-40°	6265.4	59.1
0°-60°	9617.7	90.7
0°-90°	10606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10606.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6693	
5°	6592	617
15°	5600	1570
25°	4349	2002
35°	3313	2076
45°	2490	1913
55°	1611	1439
65°	777	777
75°	180	208
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6692.9
2.5°	6670.5
5°	6591.5
7.5°	6445.0
10°	6185.8
12.5°	5926.8
15°	5599.9
17.5°	5295.9
20°	4980.3
22.5°	4653.6
25°	4349.3
27.5°	4056.4
30°	3785.9
32.5°	3538.0
35°	3312.7
37.5°	3098.5
40°	2895.7
42.5°	2681.8
45°	2490.0
47.5°	2276.1
50°	2061.9
52.5°	1836.7
55°	1611.2
57.5°	1385.9
60°	1171.8
62.5°	968.9
65°	777.4
67.5°	597.2
70°	439.4
72.5°	304.3
75°	180.2
77.5°	78.8
80°	22.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)