

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: P685184

Luminaire Tested: **LX6C70D010 EX6709050 6LBSLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P685184  
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: LX6C70D010 EX6709050 6LBSLI  
Description: 6 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

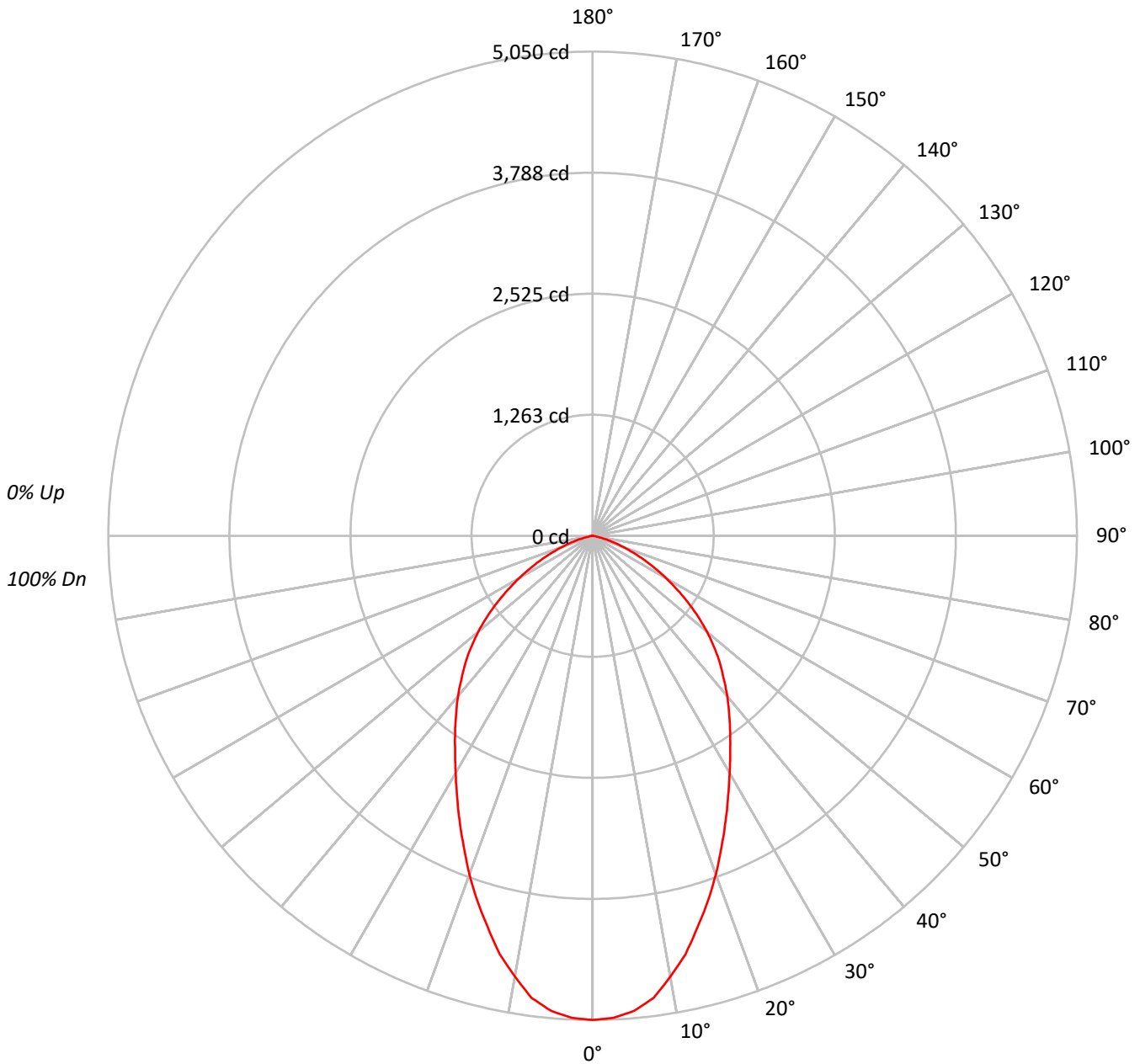
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8002.0 lumens  
Efficiency: N/A  
Efficacy: 102.6 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): 78  
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°	276820
5°	273668
10°	259793
15°	239786
20°	219207
25°	198489
30°	180806
35°	167268
40°	156343
45°	145651
50°	132678
55°	116182
60°	96933
65°	76078
70°	53134
75°	28806
80°	5398
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.3	5.8
10°-20°	1184.6	14.8
20°-30°	1510.6	18.9
30°-40°	1566.6	19.6
40°-50°	1443.5	18.0
50°-60°	1085.8	13.6
60°-70°	586.1	7.3
70°-80°	157.2	2.0
80°-90°	2.3	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°	3160.5	39.5
0°-40°	4727.1	59.1
0°-60°	7256.4	90.7
0°-90°	8002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8002.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5050	
5°	4973	465
15°	4225	1185
25°	3282	1511
35°	2499	1567
45°	1879	1443
55°	1216	1086
65°	586	586
75°	136	157
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5049.6
2.5°	5032.7
5°	4973.1
7.5°	4862.6
10°	4667.0
12.5°	4471.6
15°	4225.0
17.5°	3995.6
20°	3757.5
22.5°	3511.0
25°	3281.5
27.5°	3060.5
30°	2856.3
32.5°	2669.3
35°	2499.4
37.5°	2337.8
40°	2184.7
42.5°	2023.3
45°	1878.7
47.5°	1717.3
50°	1555.7
52.5°	1385.7
55°	1215.6
57.5°	1045.7
60°	884.1
62.5°	731.0
65°	586.5
67.5°	450.6
70°	331.5
72.5°	229.6
75°	136.0
77.5°	59.4
80°	17.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)