

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: P685044

Luminaire Tested: **LX6C05D010 EX6059030 6LBSLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P685044  
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: LX6C05D010 EX6059030 6LBSLI  
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

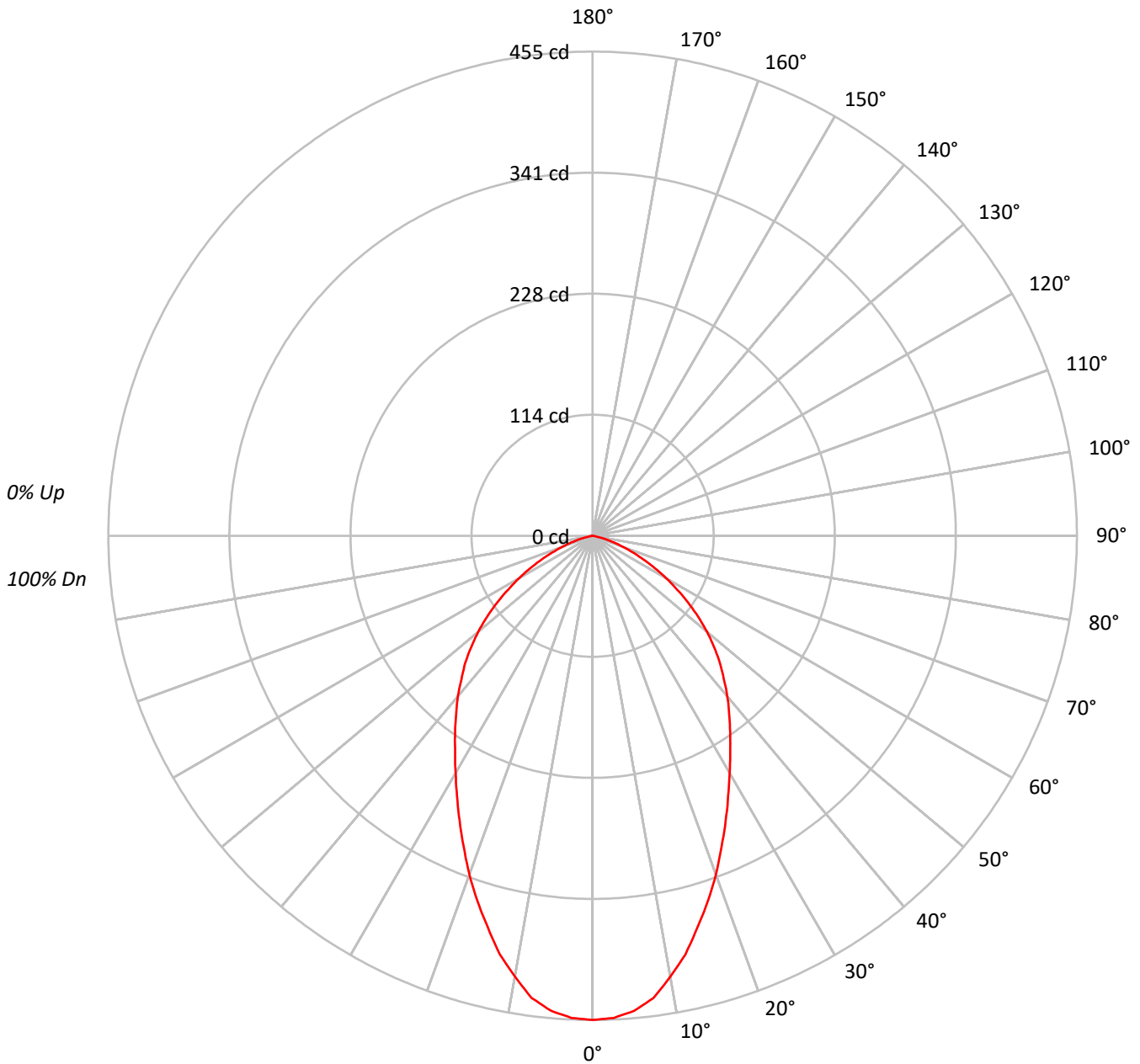
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 721.0 lumens  
Efficiency: N/A  
Efficacy: 100.1 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): 7.2  
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°	24943
5°	24659
10°	23407
15°	21606
20°	19753
25°	17886
30°	16294
35°	15071
40°	14091
45°	13125
50°	11957
55°	10466
60°	8738
65°	6849
70°	4792
75°	2584
80°	474
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.9	5.8
10°-20°	106.7	14.8
20°-30°	136.1	18.9
30°-40°	141.1	19.6
40°-50°	130.1	18.0
50°-60°	97.8	13.6
60°-70°	52.8	7.3
70°-80°	14.2	2.0
80°-90°	0.2	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°	284.8	39.5
0°-40°	425.9	59.1
0°-60°	653.8	90.7
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	455	
5°	448	42
15°	381	107
25°	296	136
35°	225	141
45°	169	130
55°	110	98
65°	53	53
75°	12	14
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	455.0
2.5°	453.5
5°	448.1
7.5°	438.1
10°	420.5
12.5°	402.9
15°	380.7
17.5°	360.0
20°	338.6
22.5°	316.4
25°	295.7
27.5°	275.8
30°	257.4
32.5°	240.5
35°	225.2
37.5°	210.6
40°	196.9
42.5°	182.3
45°	169.3
47.5°	154.7
50°	140.2
52.5°	124.9
55°	109.5
57.5°	94.2
60°	79.7
62.5°	65.9
65°	52.8
67.5°	40.6
70°	29.9
72.5°	20.7
75°	12.2
77.5°	5.4
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)