

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: P859287

Luminaire Tested: **LX4C60D010 EX4C609030 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P859287  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C60D010 EX4C609030 4LBMDLI  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LRMD45 TRIM WITH LI FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

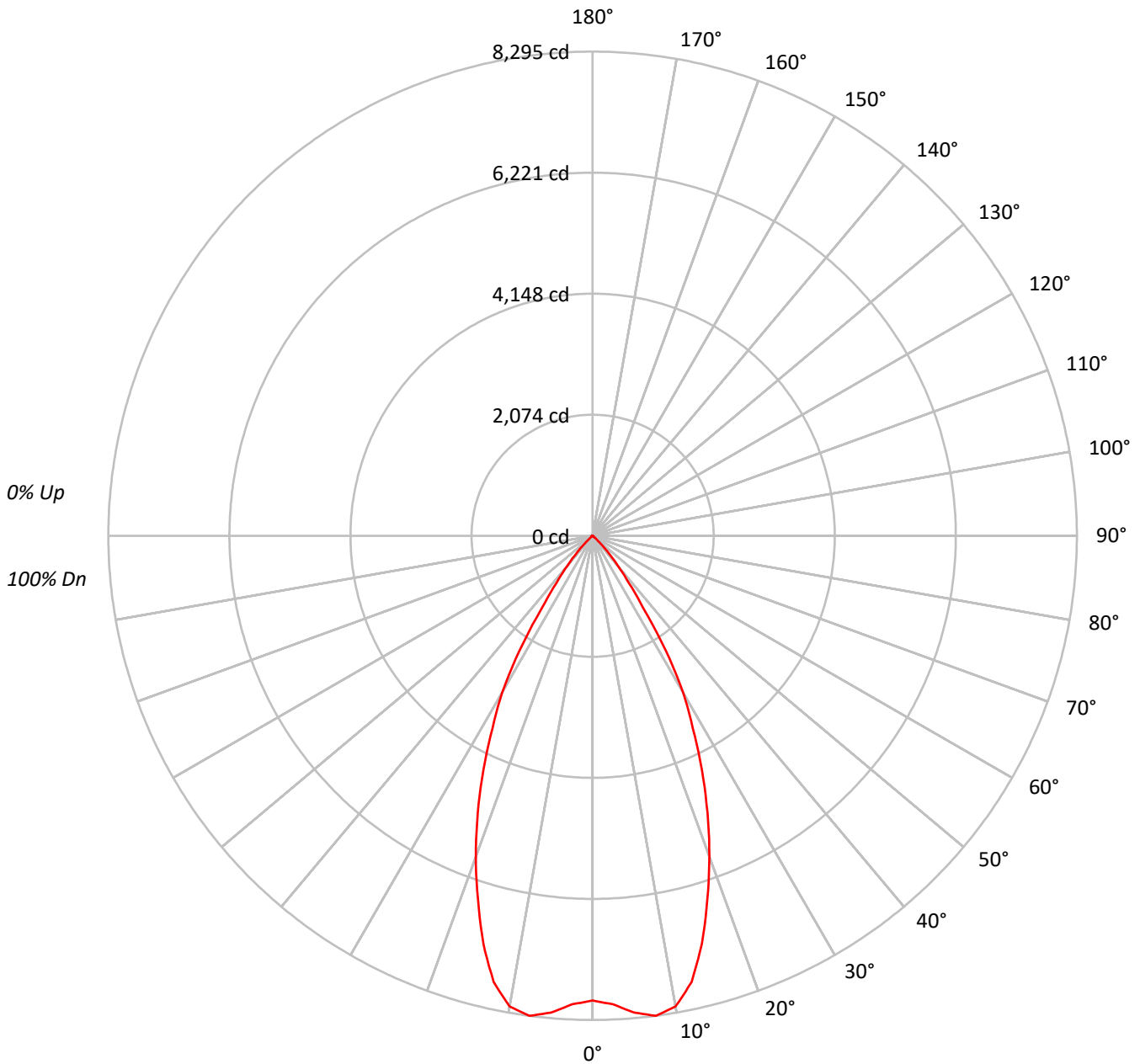
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6060.5 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 97.5  
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	80	85	82	79	78			
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73			
6	90	82	76	72	89	81	76	72	80	75	71	78	74	71	77	73	70	69			
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	67	65			
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62			
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	63	60	58			
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55			

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

	0°
0°	977926
5°	1011222
10°	1021480
15°	920149
20°	764686
25°	599934
30°	439054
35°	226884
40°	107739
45°	37910
50°	8543
55°	5569
60°	3907
65°	2936
70°	2083
75°	1377
80°	1061
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	783.2	12.9
10°-20°	1992.7	32.9
20°-30°	2016.4	33.3
30°-40°	1027.9	17.0
40°-50°	201.5	3.3
50°-60°	24.4	0.4
60°-70°	10.1	0.2
70°-80°	3.6	0.1
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°	4792.3	79.1
0°-40°	5820.2	96.0
0°-60°	6046.1	99.8
0°-90°	6060.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6060.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7960	
5°	8200	783
15°	7235	1993
25°	4426	2016
35°	1513	1028
45°	218	201
55°	26	24
65°	10	10
75°	3	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7960.1
2.5°	8033.7
5°	8199.8
7.5°	8295.3
10°	8188.3
12.5°	7828.5
15°	7234.6
17.5°	6533.8
20°	5849.0
22.5°	5139.6
25°	4425.8
27.5°	3714.8
30°	3095.0
32.5°	2332.1
35°	1512.8
37.5°	1012.9
40°	671.8
42.5°	421.9
45°	218.2
47.5°	78.0
50°	44.7
52.5°	33.2
55°	26.0
57.5°	20.2
60°	15.9
62.5°	13.0
65°	10.1
67.5°	7.2
70°	5.8
72.5°	4.4
75°	2.9
77.5°	2.9
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)