

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: P684961

Luminaire Tested: **LX6C30D010 EX6309050 6LRMDLI**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684961  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C30D010 EX6309050 6LRMDLI  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

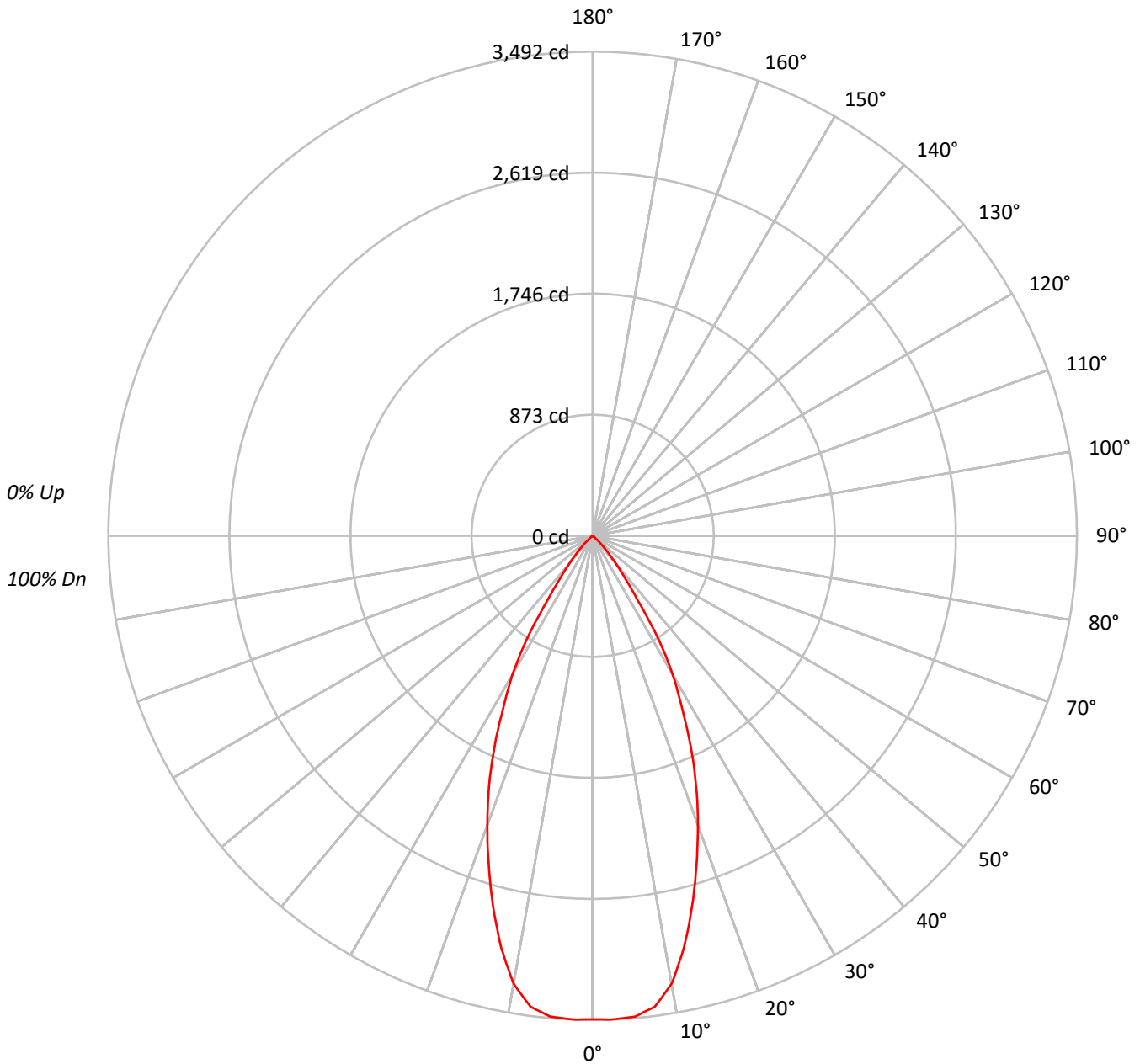
Lumens per Lamp: N/A  
Luminaire Lumens: 2335.0 lumens  
Efficiency: N/A  
Efficacy: 73.9 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 31.6  
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	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78			
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74			
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66			
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62			
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59			
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56			

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

	0°
0°	191191
5°	191558
10°	182556
15°	157192
20°	129494
25°	101141
30°	73043
35°	37410
40°	18241
45°	7582
50°	1382
55°	803
60°	526
65°	389
70°	289
75°	254
80°	189
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.3	14.0
10°-20°	767.7	32.9
20°-30°	760.3	32.6
30°-40°	385.4	16.5
40°-50°	83.0	3.6
50°-60°	7.9	0.3
60°-70°	3.0	0.1
70°-80°	1.1	0.0
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°	1854.2	79.4
0°-40°	2239.7	95.9
0°-60°	2330.6	99.8
0°-90°	2335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2335.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3488	
5°	3481	326
15°	2770	768
25°	1672	760
35°	559	385
45°	98	83
55°	8	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3487.6
2.5°	3491.8
5°	3481.0
7.5°	3426.4
10°	3279.5
12.5°	3043.2
15°	2769.7
17.5°	2489.6
20°	2219.7
22.5°	1949.8
25°	1672.1
27.5°	1389.0
30°	1153.9
32.5°	888.8
35°	559.0
37.5°	376.1
40°	254.9
42.5°	164.9
45°	97.8
47.5°	43.8
50°	16.2
52.5°	10.8
55°	8.4
57.5°	6.0
60°	4.8
62.5°	3.6
65°	3.0
67.5°	2.4
70°	1.8
72.5°	1.2
75°	1.2
77.5°	0.6
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)