

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: P839460

Luminaire Tested: **LD6C120D010 EU61209050 6LCSQWLI**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839460  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C120D010 EU61209050 6LCSQWLI  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

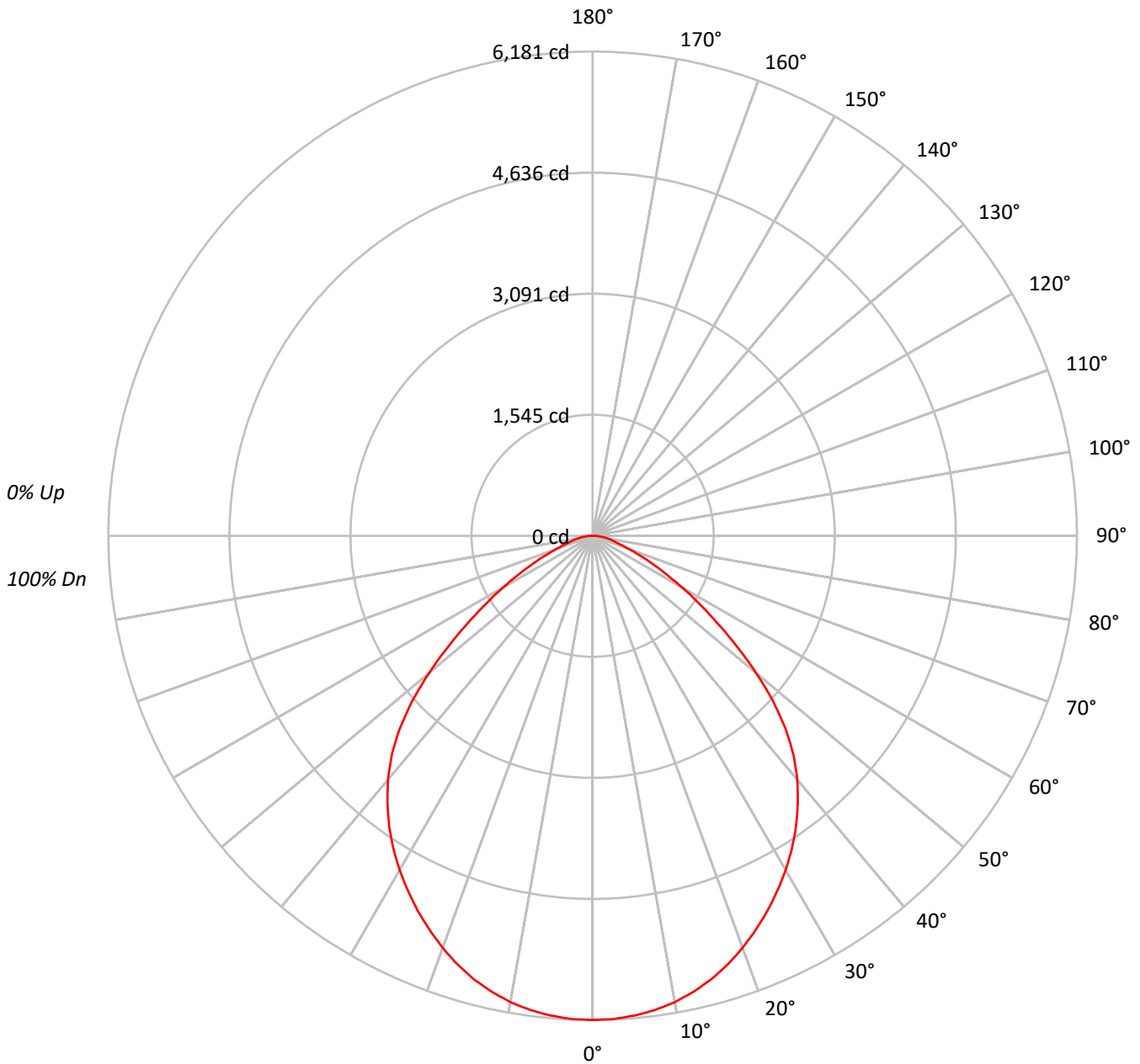
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13179.0 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 142.3  
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	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

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

	0°
0°	266118
5°	265687
10°	264238
15°	261184
20°	256439
25°	250887
30°	244913
35°	237924
40°	228350
45°	211824
50°	182488
55°	145567
60°	113331
65°	84834
70°	61558
75°	48808
80°	45722
85°	45548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.6	4.4
10°-20°	1650.2	12.5
20°-30°	2431.8	18.5
30°-40°	2824.9	21.4
40°-50°	2655.4	20.1
50°-60°	1757.7	13.3
60°-70°	847.0	6.4
70°-80°	326.6	2.5
80°-90°	101.9	0.8
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°	4665.5	35.4
0°-40°	7490.4	56.8
0°-60°	11903.5	90.3
0°-90°	13179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13179.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6181	
5°	6147	584
15°	5860	1650
25°	5281	2432
35°	4527	2825
45°	3479	2655
55°	1939	1758
65°	833	847
75°	293	327
85°	92	102
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6180.8
2.5°	6175.2
5°	6147.3
7.5°	6105.4
10°	6043.9
12.5°	5960.1
15°	5859.5
17.5°	5736.5
20°	5596.8
22.5°	5443.1
25°	5281.1
27.5°	5107.8
30°	4926.2
32.5°	4733.4
35°	4526.6
37.5°	4300.3
40°	4062.8
42.5°	3794.5
45°	3478.8
47.5°	3121.1
50°	2724.4
52.5°	2322.0
55°	1939.2
57.5°	1609.5
60°	1316.1
62.5°	1053.4
65°	832.7
67.5°	645.5
70°	489.0
72.5°	371.6
75°	293.4
77.5°	237.5
80°	184.4
82.5°	136.9
85°	92.2
87.5°	53.1
90°	0.0



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— 0°-180°







(END OF REPORT)