

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: P839462

Luminaire Tested: **LD6C130D010 EU61309030 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839462  
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: LD6C130D010 EU61309030 6LCSQWLI  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

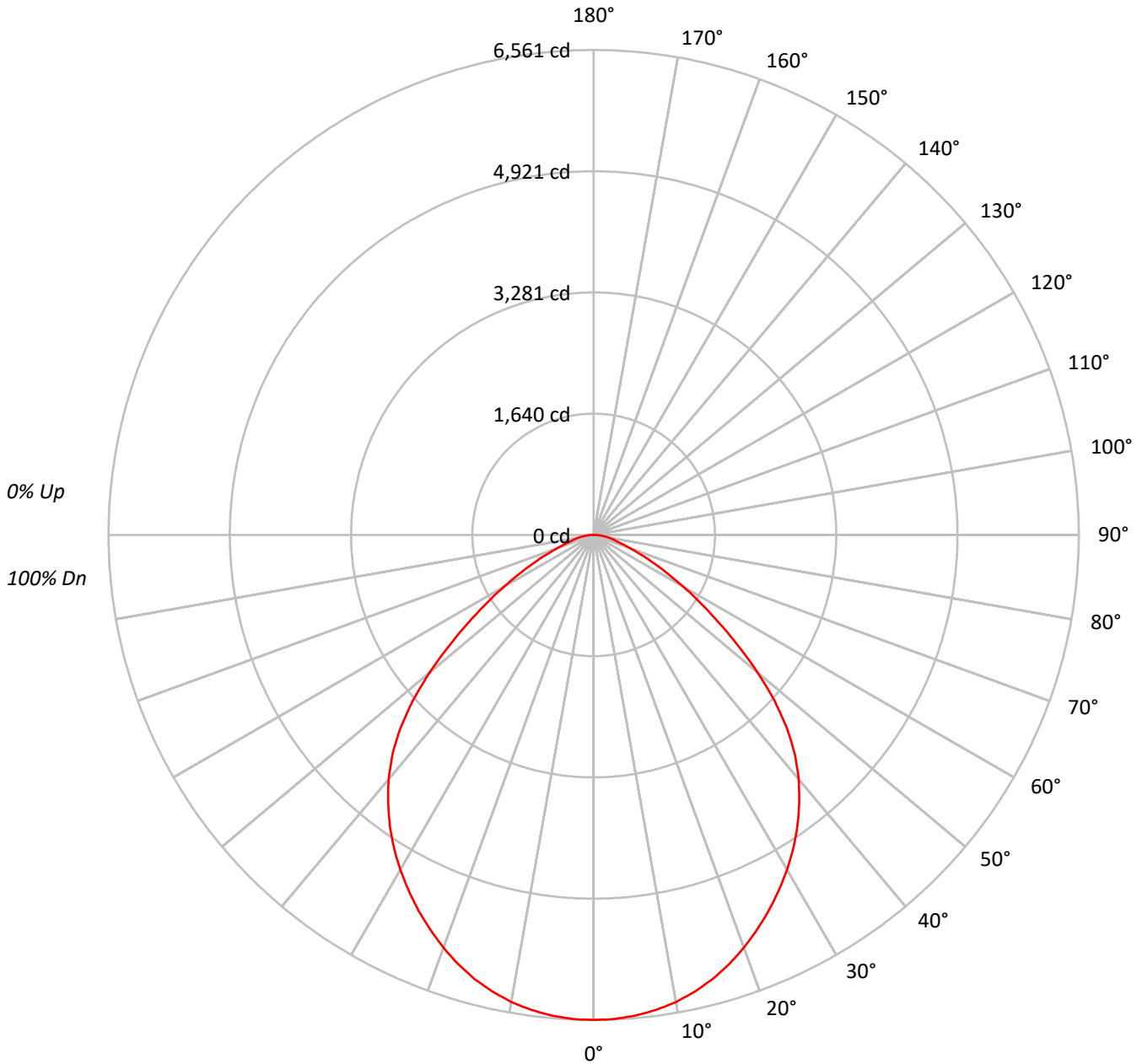
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13990.0 lumens  
Efficiency: N/A  
Efficacy: 97.0 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): 144.3  
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

TEST NUMBER: P839462

CATALOG NUMBER: LD6C130D010 EU61309030 6LCSQWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P839462

CATALOG NUMBER: LD6C130D010 EU61309030 6LCSQWLI

**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°	282497
5°	282037
10°	280498
15°	277253
20°	272219
25°	266327
30°	259982
35°	252567
40°	242402
45°	224860
50°	193714
55°	154522
60°	120306
65°	90050
70°	65348
75°	51803
80°	48548
85°	48363



TEST NUMBER: P839462

CATALOG NUMBER: LD6C130D010 EU61309030 6LCSQWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	619.5	4.4
10°-20°	1751.7	12.5
20°-30°	2581.4	18.5
30°-40°	2998.8	21.4
40°-50°	2818.8	20.1
50°-60°	1865.9	13.3
60°-70°	899.1	6.4
70°-80°	346.7	2.5
80°-90°	108.2	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°	4952.6	35.4
0°-40°	7951.4	56.8
0°-60°	12636.0	90.3
0°-90°	13990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13990.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6561	
5°	6526	619
15°	6220	1752
25°	5606	2581
35°	4805	2999
45°	3693	2819
55°	2058	1866
65°	884	899
75°	311	347
85°	98	108
90°	0	



TEST NUMBER: P839462

CATALOG NUMBER: LD6C130D010 EU61309030 6LCSQWLI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6561.2
2.5°	6555.2
5°	6525.6
7.5°	6481.1
10°	6415.8
12.5°	6326.8
15°	6220.0
17.5°	6089.5
20°	5941.2
22.5°	5778.1
25°	5606.1
27.5°	5422.1
30°	5229.3
32.5°	5024.7
35°	4805.2
37.5°	4564.9
40°	4312.8
42.5°	4028.1
45°	3692.9
47.5°	3313.2
50°	2892.0
52.5°	2464.9
55°	2058.5
57.5°	1708.5
60°	1397.1
62.5°	1118.2
65°	883.9
67.5°	685.2
70°	519.1
72.5°	394.5
75°	311.4
77.5°	252.1
80°	195.8
82.5°	145.3
85°	97.9
87.5°	56.4
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)