

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: P839470

Luminaire Tested: **LD6C150D010 EU61509050 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839470  
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: LD6C150D010 EU61509050 6LCSQWLI  
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

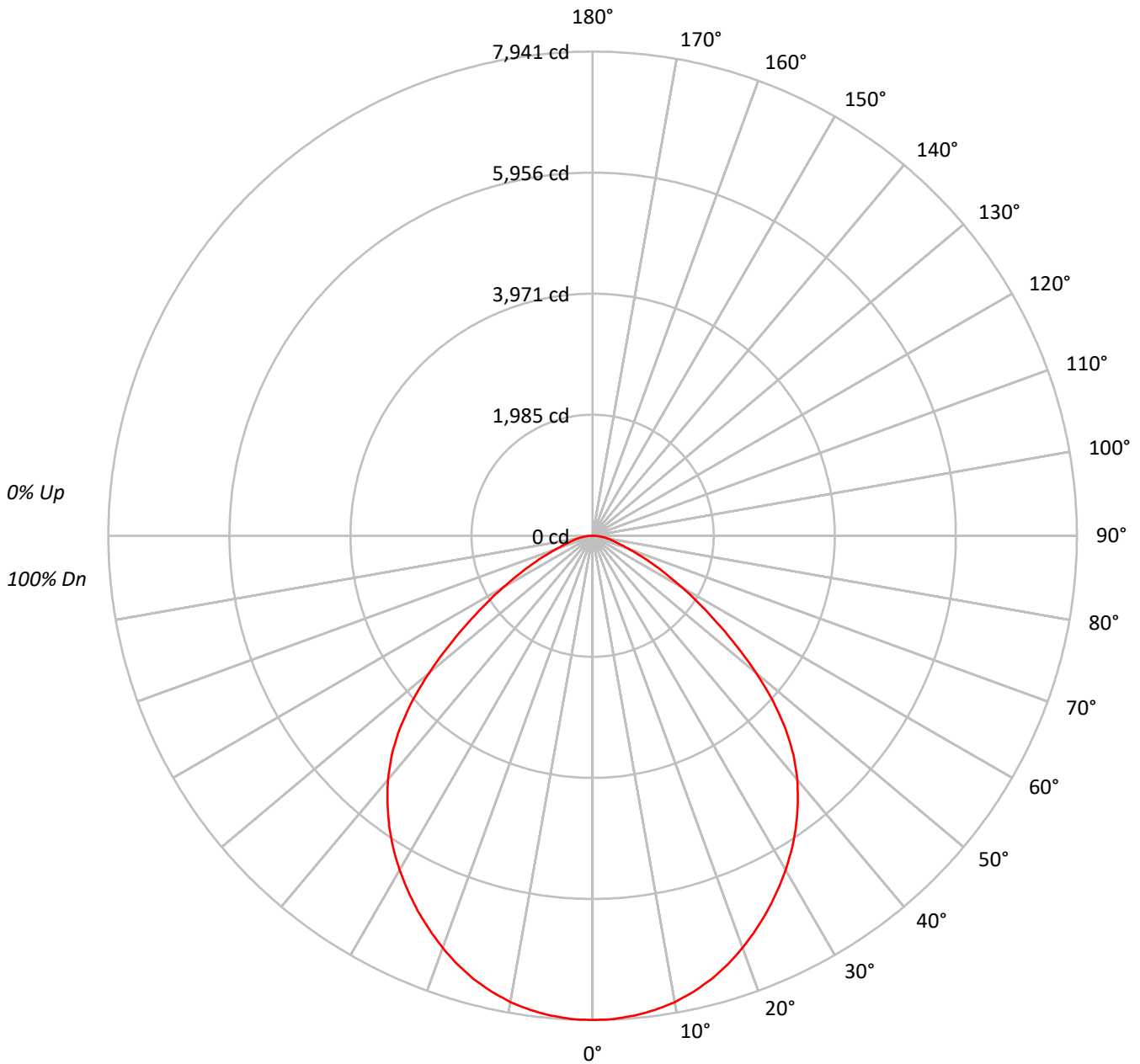
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16932.0 lumens  
Efficiency: N/A  
Efficacy: 99.0 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): 171.1  
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°	341901
5°	341344
10°	339485
15°	335561
20°	329465
25°	322333
30°	314655
35°	305680
40°	293380
45°	272147
50°	234453
55°	187018
60°	145606
65°	108989
70°	79082
75°	62699
80°	58739
85°	58540



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	749.8	4.4
10°-20°	2120.1	12.5
20°-30°	3124.3	18.5
30°-40°	3629.4	21.4
40°-50°	3411.6	20.1
50°-60°	2258.2	13.3
60°-70°	1088.2	6.4
70°-80°	419.6	2.5
80°-90°	130.9	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°	5994.1	35.4
0°-40°	9623.5	56.8
0°-60°	15293.3	90.3
0°-90°	16932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16932.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7941	
5°	7898	750
15°	7528	2120
25°	6785	3124
35°	5816	3629
45°	4470	3412
55°	2491	2258
65°	1070	1088
75°	377	420
85°	118	131
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7940.9
2.5°	7933.7
5°	7897.8
7.5°	7844.0
10°	7765.0
12.5°	7657.3
15°	7528.1
17.5°	7370.1
20°	7190.6
22.5°	6993.2
25°	6785.0
27.5°	6562.4
30°	6329.0
32.5°	6081.3
35°	5815.7
37.5°	5524.9
40°	5219.8
42.5°	4875.1
45°	4469.5
47.5°	4010.0
50°	3500.2
52.5°	2983.2
55°	2491.4
57.5°	2067.8
60°	1690.9
62.5°	1353.4
65°	1069.8
67.5°	829.3
70°	628.2
72.5°	477.5
75°	376.9
77.5°	305.1
80°	236.9
82.5°	175.9
85°	118.5
87.5°	68.2
90°	0.0



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— 0°-180°







(END OF REPORT)