

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: P839466

Luminaire Tested: **LD6C150D010 EU61509027 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839466  
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 EU61509027 6LCSQWLI  
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

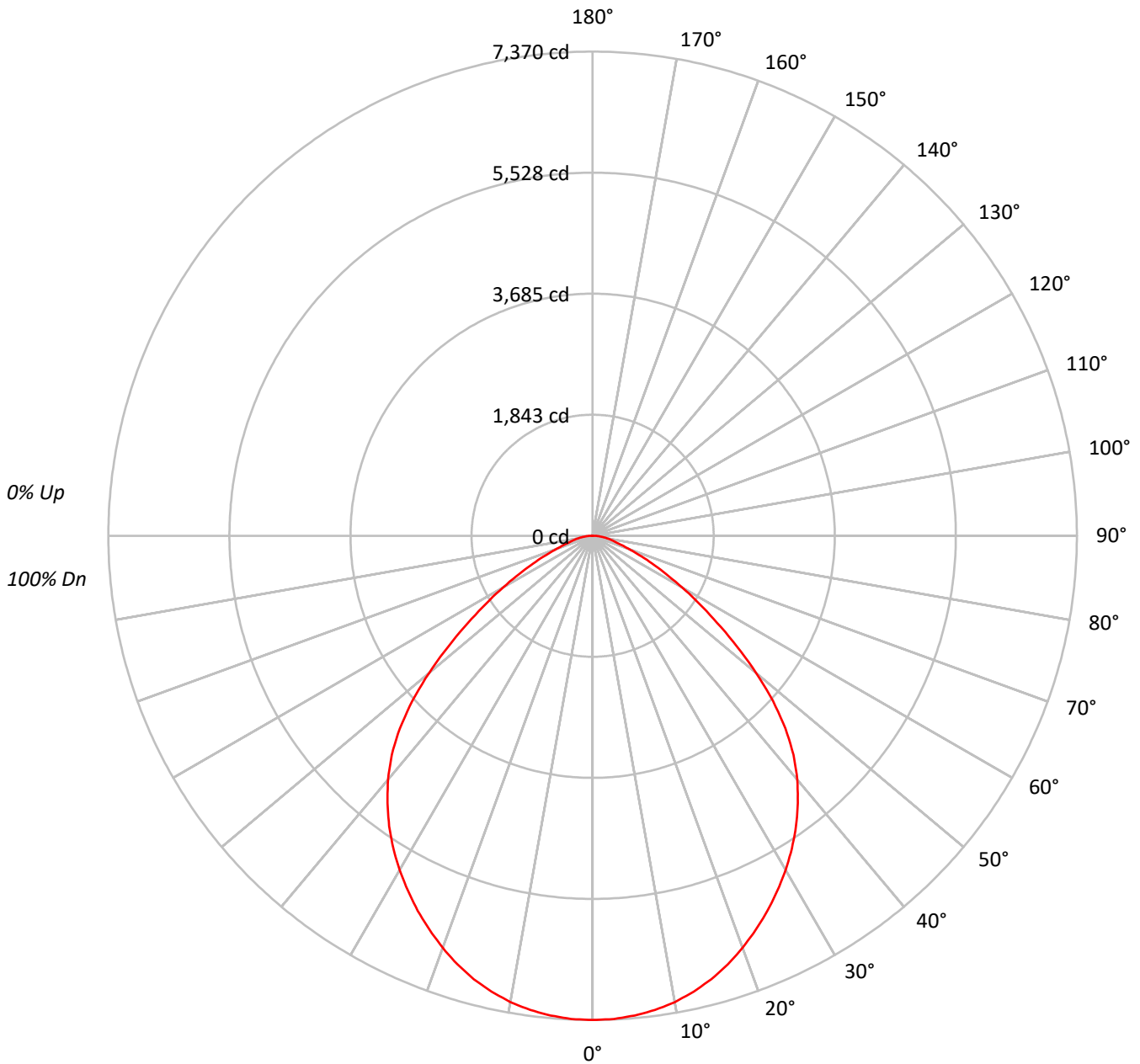
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15714.0 lumens  
Efficiency: N/A  
Efficacy: 91.8 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°	317307
5°	316791
10°	315063
15°	311420
20°	305768
25°	299145
30°	292024
35°	283689
40°	272275
45°	252571
50°	217587
55°	173566
60°	135126
65°	101145
70°	73392
75°	58191
80°	54524
85°	54292



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	695.8	4.4
10°-20°	1967.6	12.5
20°-30°	2899.5	18.5
30°-40°	3368.3	21.4
40°-50°	3166.1	20.1
50°-60°	2095.8	13.3
60°-70°	1009.9	6.4
70°-80°	389.4	2.5
80°-90°	121.5	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°	5562.9	35.4
0°-40°	8931.2	56.8
0°-60°	14193.2	90.3
0°-90°	15714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15714.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7370	
5°	7330	696
15°	6986	1968
25°	6297	2900
35°	5397	3368
45°	4148	3166
55°	2312	2096
65°	993	1010
75°	350	389
85°	110	122
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7369.7
2.5°	7363.0
5°	7329.7
7.5°	7279.7
10°	7206.4
12.5°	7106.5
15°	6986.5
17.5°	6840.0
20°	6673.4
22.5°	6490.1
25°	6296.9
27.5°	6090.3
30°	5873.8
32.5°	5643.9
35°	5397.3
37.5°	5127.5
40°	4844.3
42.5°	4524.4
45°	4148.0
47.5°	3721.5
50°	3248.4
52.5°	2768.6
55°	2312.2
57.5°	1919.1
60°	1569.2
62.5°	1256.0
65°	992.8
67.5°	769.6
70°	583.0
72.5°	443.1
75°	349.8
77.5°	283.2
80°	219.9
82.5°	163.3
85°	109.9
87.5°	63.3
90°	0.0



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— 0°-180°







(END OF REPORT)