

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: P839457

Luminaire Tested: **LD6C120D010 EU61209030 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839457  
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 EU61209030 6LCSQWLI  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

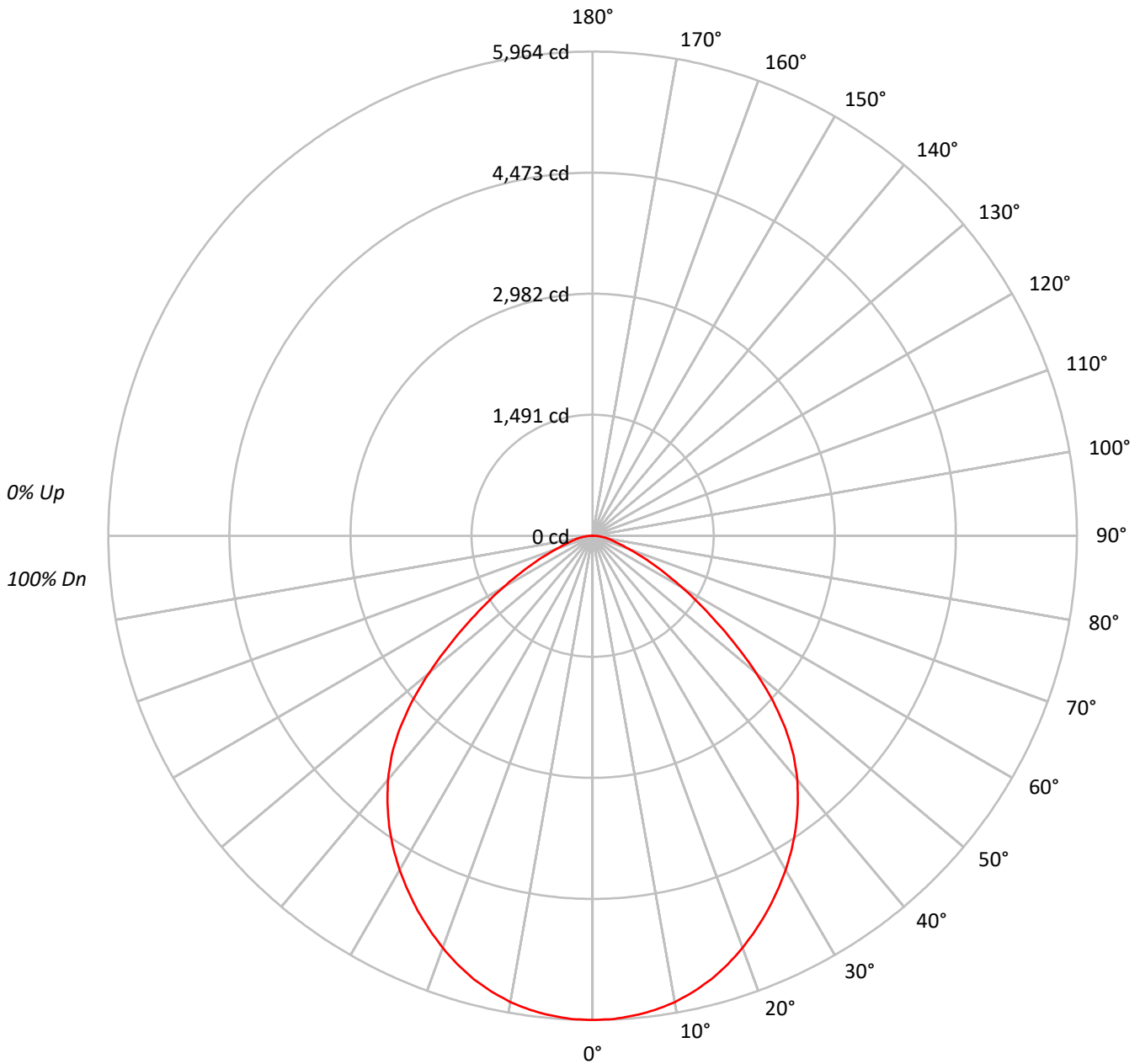
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12716.0 lumens  
Efficiency: N/A  
Efficacy: 89.4 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°	256771
5°	256352
10°	254957
15°	252006
20°	247431
25°	242070
30°	236307
35°	229567
40°	220330
45°	204383
50°	176071
55°	140455
60°	109344
65°	81849
70°	59393
75°	47095
80°	44110
85°	43967



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	563.1	4.4
10°-20°	1592.2	12.5
20°-30°	2346.3	18.5
30°-40°	2725.7	21.4
40°-50°	2562.1	20.1
50°-60°	1695.9	13.3
60°-70°	817.2	6.4
70°-80°	315.2	2.5
80°-90°	98.3	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°	4501.6	35.4
0°-40°	7227.3	56.8
0°-60°	11485.3	90.3
0°-90°	12716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12716.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5964	
5°	5931	563
15°	5654	1592
25°	5096	2346
35°	4368	2726
45°	3357	2562
55°	1871	1696
65°	803	817
75°	283	315
85°	89	98
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5963.7
2.5°	5958.3
5°	5931.3
7.5°	5890.9
10°	5831.6
12.5°	5750.7
15°	5653.6
17.5°	5535.0
20°	5400.2
22.5°	5251.9
25°	5095.5
27.5°	4928.4
30°	4753.1
32.5°	4567.1
35°	4367.6
37.5°	4149.2
40°	3920.1
42.5°	3661.2
45°	3356.6
47.5°	3011.5
50°	2628.6
52.5°	2240.4
55°	1871.1
57.5°	1552.9
60°	1269.8
62.5°	1016.4
65°	803.4
67.5°	622.8
70°	471.8
72.5°	358.6
75°	283.1
77.5°	229.2
80°	177.9
82.5°	132.1
85°	89.0
87.5°	51.2
90°	0.0



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— 0°-180°







(END OF REPORT)