

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: P839449

Luminaire Tested: **LD6C100D010 EU61009040 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839449  
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: LD6C100D010 EU61009040 6LCSQWLI  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

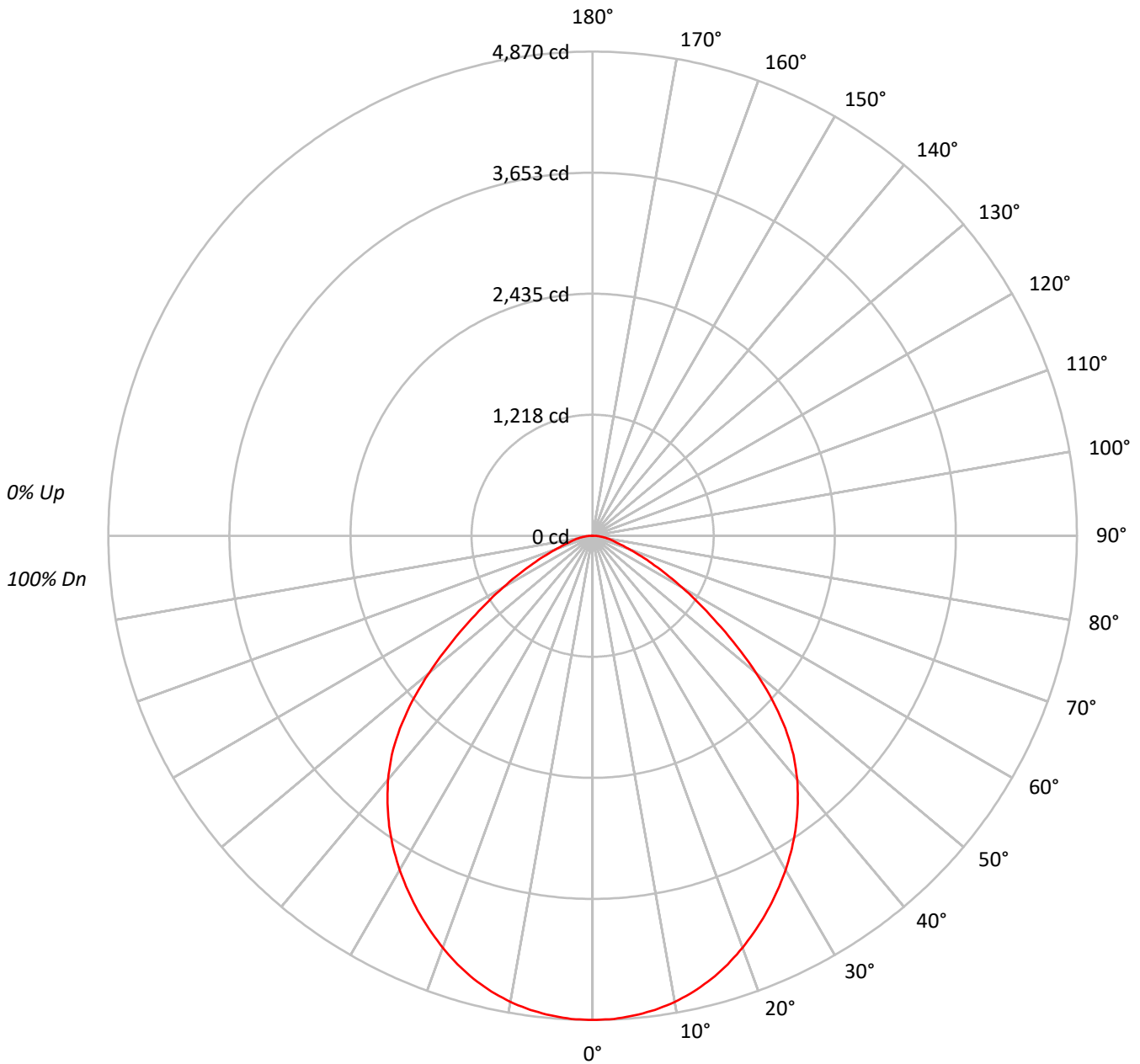
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10383.0 lumens  
Efficiency: N/A  
Efficacy: 90.8 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): 114.4  
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°	209660
5°	209319
10°	208177
15°	205774
20°	202034
25°	197661
30°	192954
35°	187449
40°	179902
45°	166887
50°	143772
55°	114685
60°	89289
65°	66832
70°	48491
75°	38444
80°	36027
85°	35865



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	459.8	4.4
10°-20°	1300.1	12.5
20°-30°	1915.9	18.5
30°-40°	2225.6	21.4
40°-50°	2092.0	20.1
50°-60°	1384.8	13.3
60°-70°	667.3	6.4
70°-80°	257.3	2.5
80°-90°	80.3	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°	3675.7	35.4
0°-40°	5901.3	56.8
0°-60°	9378.2	90.3
0°-90°	10383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10383.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4870	
5°	4843	460
15°	4616	1300
25°	4161	1916
35°	3566	2226
45°	2741	2092
55°	1528	1385
65°	656	667
75°	231	257
85°	73	80
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4869.5
2.5°	4865.1
5°	4843.1
7.5°	4810.1
10°	4761.6
12.5°	4695.6
15°	4616.4
17.5°	4519.5
20°	4409.4
22.5°	4288.3
25°	4160.7
27.5°	4024.2
30°	3881.1
32.5°	3729.2
35°	3566.3
37.5°	3388.0
40°	3200.8
42.5°	2989.5
45°	2740.8
47.5°	2459.0
50°	2146.4
52.5°	1829.4
55°	1527.8
57.5°	1268.0
60°	1036.9
62.5°	829.9
65°	656.0
67.5°	508.5
70°	385.2
72.5°	292.8
75°	231.1
77.5°	187.1
80°	145.3
82.5°	107.9
85°	72.6
87.5°	41.8
90°	0.0



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— 0°-180°







(END OF REPORT)