

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: P839539

Luminaire Tested: **LD6C80D010 EU6809040 6LCSQWLI**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839539  
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: LD6C80D010 EU6809040 6LCSQWLI  
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

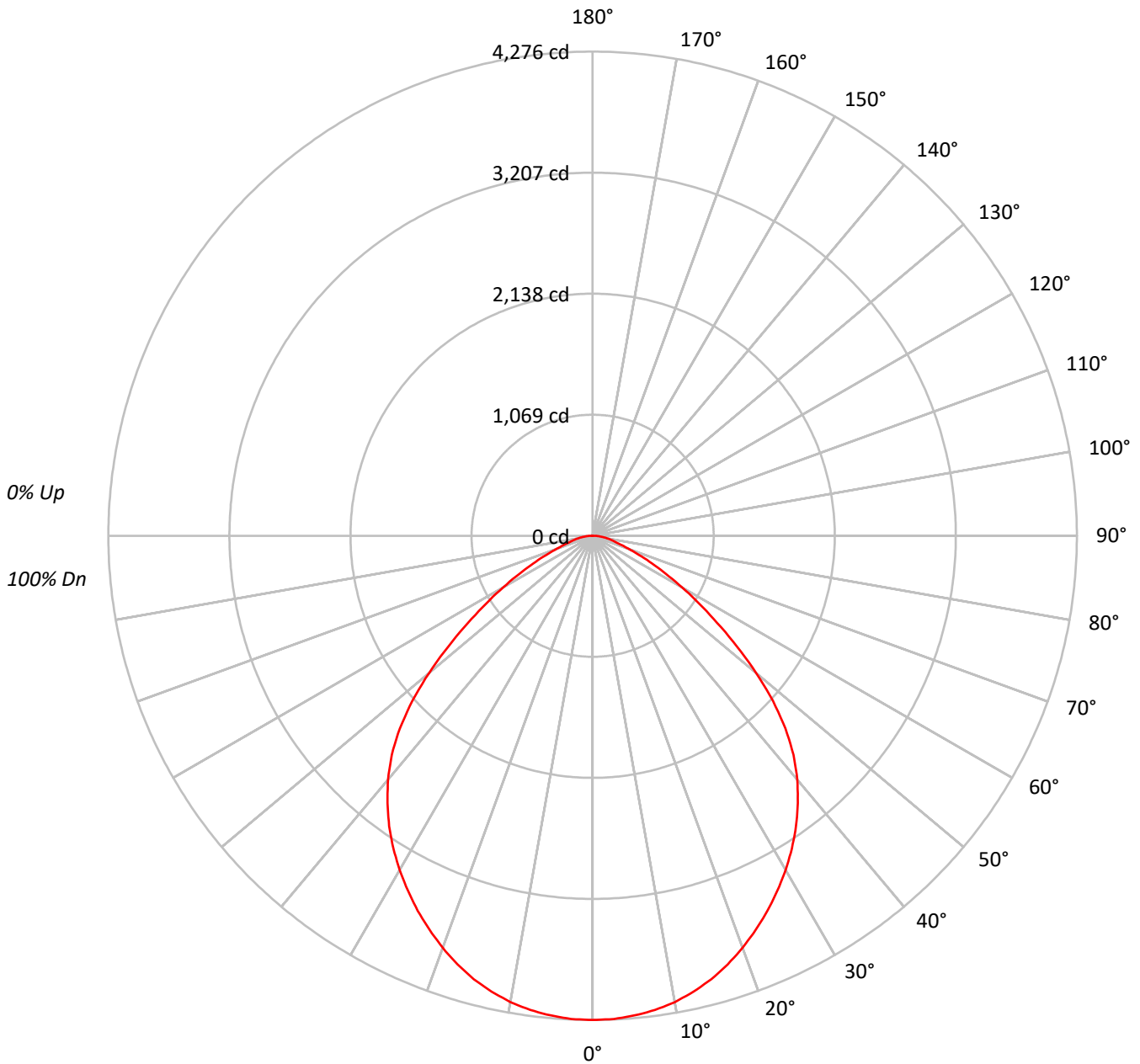
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9117.0 lumens  
Efficiency: N/A  
Efficacy: 101.9 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): 89.5  
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: P839539

CATALOG NUMBER: LD6C80D010 EU6809040 6LCSQWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P839539

CATALOG NUMBER: LD6C80D010 EU6809040 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°	184097
5°	183798
10°	182797
15°	180683
20°	177402
25°	173561
30°	169428
35°	164590
40°	157970
45°	146538
50°	126242
55°	100700
60°	78396
65°	58682
70°	42587
75°	33770
80°	31638
85°	31518



TEST NUMBER: P839539

CATALOG NUMBER: LD6C80D010 EU6809040 6LCSQWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	403.7	4.4
10°-20°	1141.6	12.5
20°-30°	1682.3	18.5
30°-40°	1954.2	21.4
40°-50°	1836.9	20.1
50°-60°	1215.9	13.3
60°-70°	585.9	6.4
70°-80°	226.0	2.5
80°-90°	70.5	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°	3227.5	35.4
0°-40°	5181.8	56.8
0°-60°	8234.7	90.3
0°-90°	9117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9117.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4276	
5°	4253	404
15°	4054	1142
25°	3653	1682
35°	3131	1954
45°	2407	1837
55°	1342	1216
65°	576	586
75°	203	226
85°	64	70
90°	0	



TEST NUMBER: P839539

CATALOG NUMBER: LD6C80D010 EU6809040 6LCSQWLI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4275.8
2.5°	4271.9
5°	4252.6
7.5°	4223.6
10°	4181.1
12.5°	4123.1
15°	4053.5
17.5°	3968.4
20°	3871.8
22.5°	3765.5
25°	3653.4
27.5°	3533.5
30°	3407.9
32.5°	3274.5
35°	3131.4
37.5°	2974.9
40°	2810.6
42.5°	2625.0
45°	2406.6
47.5°	2159.1
50°	1884.7
52.5°	1606.3
55°	1341.5
57.5°	1113.4
60°	910.4
62.5°	728.7
65°	576.0
67.5°	446.5
70°	338.3
72.5°	257.1
75°	203.0
77.5°	164.3
80°	127.6
82.5°	94.7
85°	63.8
87.5°	36.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)