

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: P839511

Luminaire Tested: **LD6C55D010 EU6559027 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839511  
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: LD6C55D010 EU6559027 6LCSQWLI  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

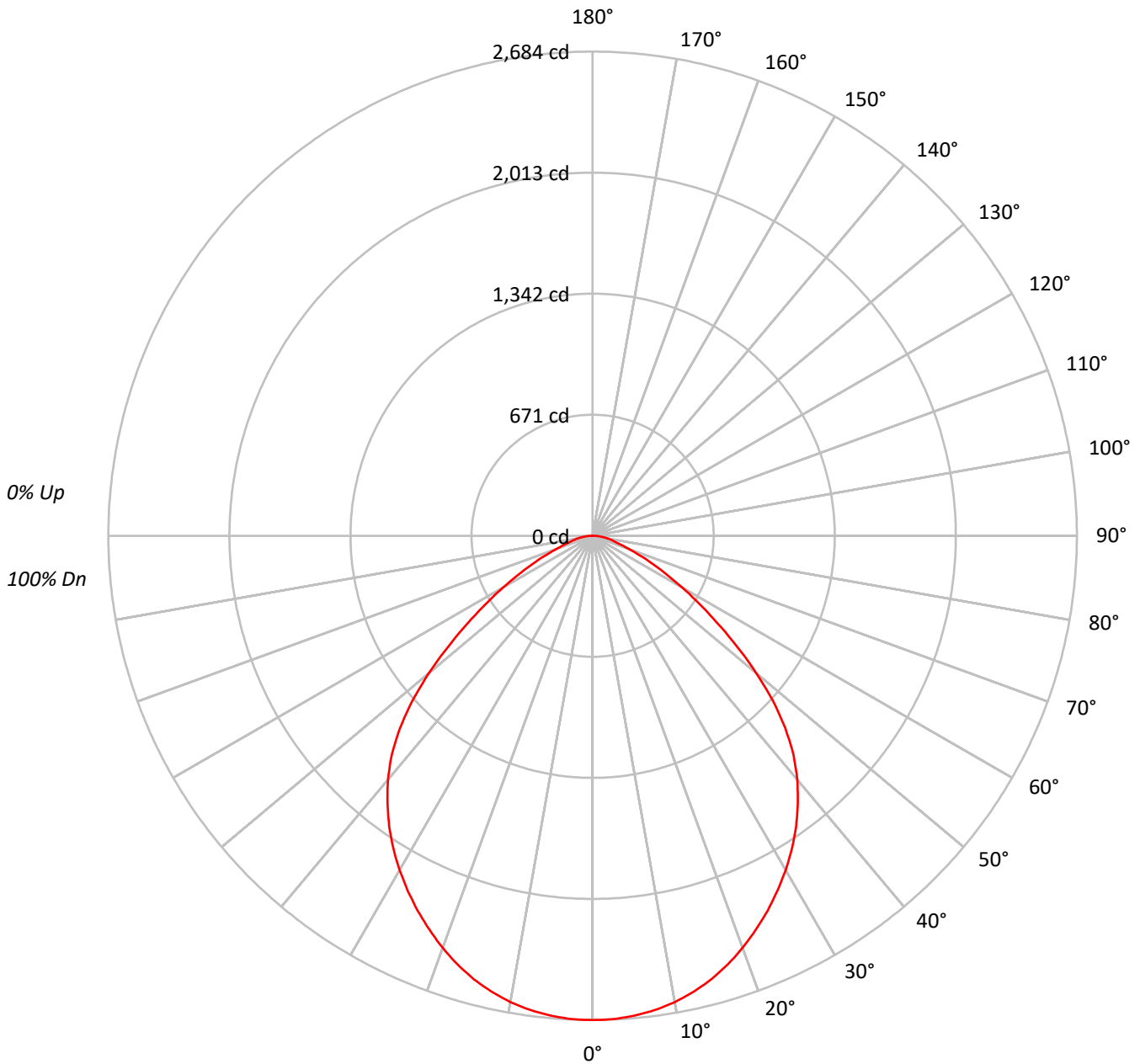
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5724.0 lumens  
Efficiency: N/A  
Efficacy: 89.6 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): 63.9  
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: P839511

CATALOG NUMBER: LD6C55D010 EU6559027 6LCSQWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P839511

CATALOG NUMBER: LD6C55D010 EU6559027 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°	115583
5°	115393
10°	114765
15°	113438
20°	111381
25°	108966
30°	106373
35°	103335
40°	99180
45°	91999
50°	79261
55°	63220
60°	49221
65°	36849
70°	26738
75°	21194
80°	19861
85°	19760



TEST NUMBER: P839511

CATALOG NUMBER: LD6C55D010 EU6559027 6LCSQWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.5	4.4
10°-20°	716.7	12.5
20°-30°	1056.2	18.5
30°-40°	1226.9	21.4
40°-50°	1153.3	20.1
50°-60°	763.4	13.3
60°-70°	367.9	6.4
70°-80°	141.9	2.5
80°-90°	44.3	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°	2026.4	35.4
0°-40°	3253.3	56.8
0°-60°	5170.0	90.3
0°-90°	5724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5724.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2684	
5°	2670	253
15°	2545	717
25°	2294	1056
35°	1966	1227
45°	1511	1153
55°	842	763
65°	362	368
75°	127	142
85°	40	44
90°	0	



TEST NUMBER: P839511

CATALOG NUMBER: LD6C55D010 EU6559027 6LCSQWLI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2684.5
2.5°	2682.1
5°	2669.9
7.5°	2651.7
10°	2625.0
12.5°	2588.6
15°	2544.9
17.5°	2491.5
20°	2430.9
22.5°	2364.1
25°	2293.7
27.5°	2218.5
30°	2139.6
32.5°	2055.8
35°	1966.0
37.5°	1867.7
40°	1764.6
42.5°	1648.1
45°	1510.9
47.5°	1355.6
50°	1183.3
52.5°	1008.5
55°	842.2
57.5°	699.0
60°	571.6
62.5°	457.5
65°	361.7
67.5°	280.3
70°	212.4
72.5°	161.4
75°	127.4
77.5°	103.2
80°	80.1
82.5°	59.5
85°	40.0
87.5°	23.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)