

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: P#

Luminaire Tested: **LX6C100D010 EX6C1009027 6LCSQWLI**

Issue Date: 2/16/2022



**Test Information**

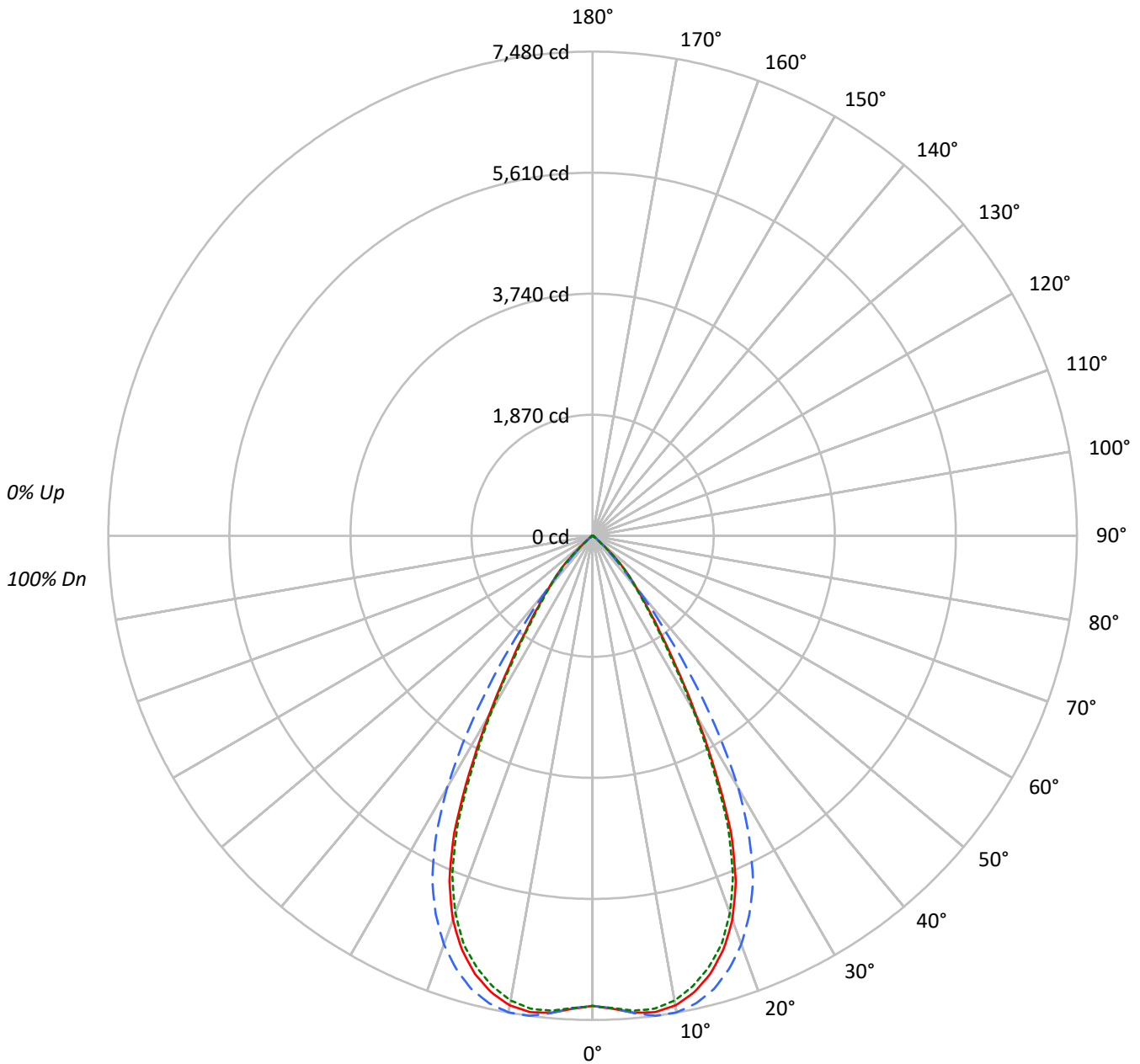
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C100D010 EX6C1009027 6LCSQWLI  
Description: 6 INCH 10000 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: 7002.0 lumens  
Efficiency: N/A  
Efficacy: 61.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94  
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

TEST NUMBER: P#  
CATALOG NUMBER: LX6C100D010 EX6C1009027 6LCSQWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C100D010 EX6C1009027 6LCSQWLI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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																			
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	312709	312709	312709
5°	319717	319963	318303
10°	322067	326854	318709
15°	312440	323058	307907
20°	289135	307701	283944
25°	240303	278441	234555
30°	158491	223604	153713
35°	95288	140706	90947
40°	59257	63680	56880
45°	34610	23035	33325
50°	8105	7978	7844
55°	3896	3746	3896
60°	2480	2316	2480
65°	1762	1569	1762
70°	1209	1209	1209
75°	632	965	632
80°	942	942	942
85°	939	939	939



TEST NUMBER: P#

CATALOG NUMBER: LX6C100D010 EX6C1009027 6LCSQWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	706.2	10.1
10°-20°	1989.0	28.4
20°-30°	2425.7	34.6
30°-40°	1376.1	19.7
40°-50°	422.0	6.0
50°-60°	56.8	0.8
60°-70°	17.4	0.2
70°-80°	6.2	0.1
80°-90°	2.5	0.0
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°	5120.9	73.1
0°-40°	6497.0	92.8
0°-60°	6975.9	99.6
0°-90°	7002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7002.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7263	7263	7263	7263	7263	
5°	7397	7399	7403	7382	7365	705
15°	7009	7167	7248	7111	6908	1954
25°	5058	5492	5861	5446	4937	2236
35°	1813	2072	2677	2011	1730	1185
45°	568	595	378	572	547	428
55°	52	54	50	52	52	53
65°	17	17	15	17	17	18
75°	4	6	6	6	4	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C100D010 EX6C1009027 6LCSQWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7262.9	7262.9	7262.9	7262.9	7262.9
2.5°	7316.7	7311.0	7303.3	7301.3	7303.3
5°	7397.4	7399.3	7403.1	7382.0	7364.7
7.5°	7422.3	7456.9	7479.9	7424.3	7368.6
10°	7366.6	7437.7	7476.1	7389.7	7289.8
12.5°	7226.5	7343.6	7395.4	7284.1	7130.4
15°	7009.4	7166.9	7247.6	7111.2	6907.7
17.5°	6709.9	6923.0	7013.3	6861.6	6617.7
20°	6310.4	6563.9	6715.6	6517.8	6197.1
22.5°	5778.5	6118.4	6329.6	6076.1	5663.3
25°	5058.3	5492.3	5861.1	5446.2	4937.3
27.5°	4109.6	4678.1	5236.9	4616.6	4000.2
30°	3187.9	3702.5	4497.6	3658.4	3091.8
32.5°	2396.7	2813.4	3606.5	2763.5	2296.8
35°	1812.9	2072.1	2677.0	2010.7	1730.3
37.5°	1378.8	1522.9	1793.7	1478.7	1307.8
40°	1054.3	1117.7	1133.0	1085.0	1012.0
42.5°	823.9	823.9	662.5	798.9	798.9
45°	568.4	595.3	378.3	572.3	547.3
47.5°	286.1	382.2	207.4	368.7	266.9
50°	121.0	188.2	119.1	182.4	117.1
52.5°	73.0	82.6	73.0	82.6	69.1
55°	51.9	53.8	49.9	51.9	51.9
57.5°	38.4	38.4	36.5	38.4	38.4
60°	28.8	28.8	26.9	28.8	28.8
62.5°	21.1	23.0	21.1	23.0	21.1
65°	17.3	17.3	15.4	17.3	17.3
67.5°	13.4	13.4	11.5	13.4	13.4
70°	9.6	9.6	9.6	9.6	9.6
72.5°	7.7	7.7	7.7	7.7	7.7
75°	3.8	5.8	5.8	5.8	3.8
77.5°	3.8	3.8	3.8	3.8	3.8
80°	3.8	3.8	3.8	3.8	3.8
82.5°	1.9	3.8	3.8	3.8	1.9
85°	1.9	1.9	1.9	1.9	1.9
87.5°	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)