

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: **LX6C120D010 EX6C1209030 6LCSQWH**

Issue Date: 2/16/2022



**Test Information**

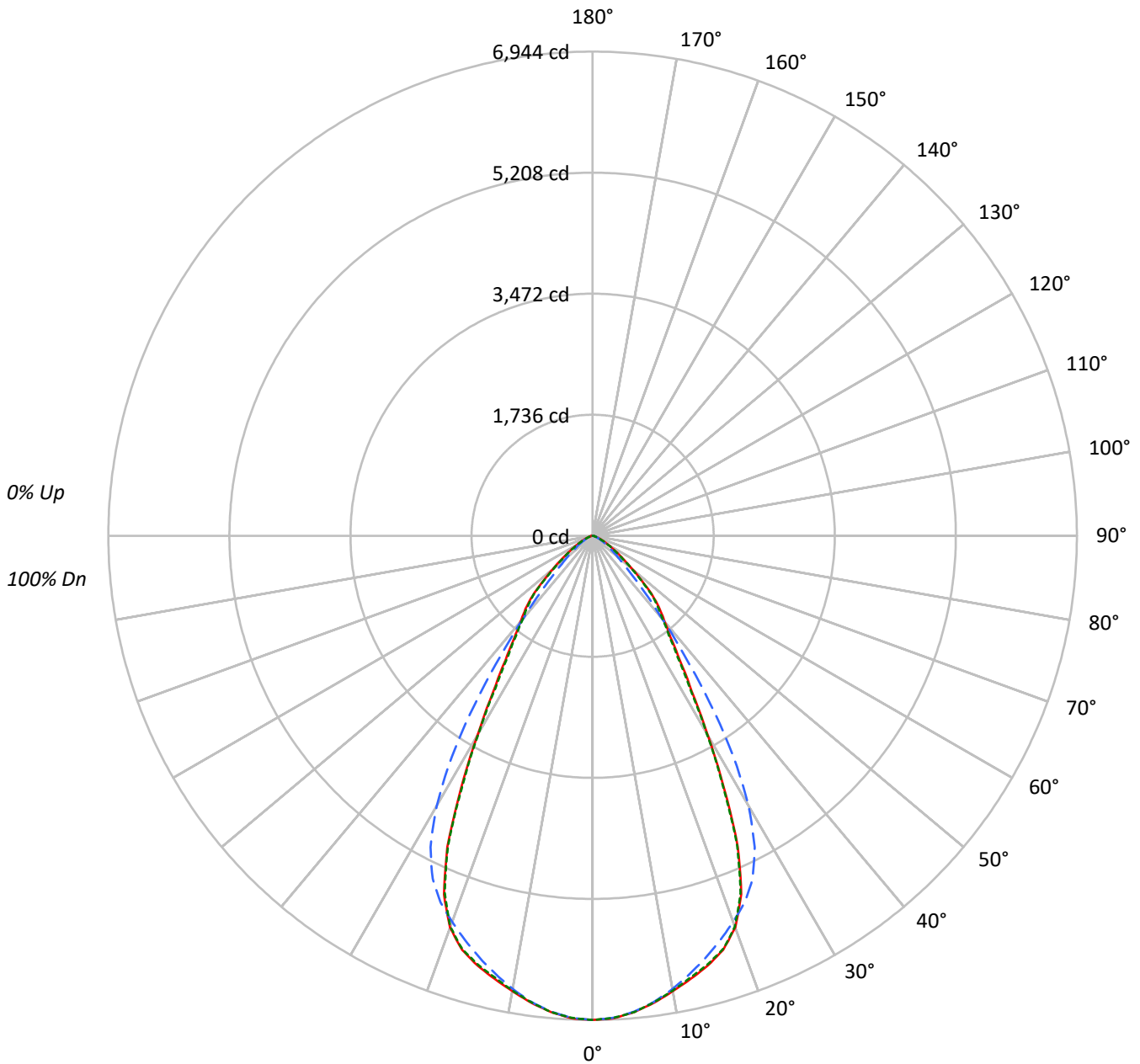
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C120D010 EX6C1209030 6LCSQWH  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7607.0 lumens  
Efficiency: N/A  
Efficacy: 53.5 lumens/watt  
Spacing Criteria (0/90/45): 0.96 / 0.95 / 0.97  
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

TEST NUMBER: P#  
CATALOG NUMBER: LX6C120D010 EX6C1209030 6LCSQWH

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C120D010 EX6C1209030 6LCSQWH

**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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																			
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71																			
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65																			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60																			
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56																			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52																			
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48																			
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

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

	0°	45°	90°
0°	298996	298996	298996
5°	296322	296114	296322
10°	289933	288577	289513
15°	284425	279313	283677
20°	273873	269933	273323
25°	234042	257866	232911
30°	163840	222371	162414
35°	114473	154640	111835
40°	90198	86708	87646
45°	74450	48712	73287
50°	49909	30872	48147
55°	32984	21153	31370
60°	22208	14398	20977
65°	14844	9974	13866
70°	9920	7213	9316
75°	6355	5157	5955
80°	4141	4141	4141
85°	3557	3557	3557



TEST NUMBER: P#

CATALOG NUMBER: LX6C120D010 EX6C1209030 6LCSQWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	646.5	8.5
10°-20°	1777.6	23.4
20°-30°	2297.2	30.2
30°-40°	1555.3	20.4
40°-50°	818.4	10.8
50°-60°	342.5	4.5
60°-70°	122.9	1.6
70°-80°	38.2	0.5
80°-90°	8.6	0.1
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°	4721.2	62.1
0°-40°	6276.5	82.5
0°-60°	7437.3	97.8
0°-90°	7607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7607.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6944	6944	6944	6944	6944	
5°	6856	6854	6851	6854	6856	647
15°	6381	6321	6266	6309	6364	1792
25°	4926	5134	5428	5134	4903	2186
35°	2178	2347	2942	2312	2128	1410
45°	1223	1120	800	1098	1204	917
55°	439	375	282	368	418	412
65°	146	117	98	115	136	151
75°	38	33	31	31	36	44
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C120D010 EX6C1209030 6LCSQWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6944.4	6944.4	6944.4	6944.4	6944.4
2.5°	6927.7	6920.5	6918.2	6920.5	6920.5
5°	6856.1	6853.7	6851.3	6853.7	6856.1
7.5°	6755.8	6748.6	6743.8	6743.8	6746.2
10°	6631.6	6619.7	6600.6	6612.5	6622.0
12.5°	6507.4	6478.8	6435.8	6464.4	6488.3
15°	6380.9	6321.1	6266.2	6309.2	6364.1
17.5°	6225.6	6165.9	6080.0	6154.0	6216.1
20°	5977.3	5941.5	5891.3	5941.5	5965.3
22.5°	5568.9	5611.9	5693.1	5604.7	5540.3
25°	4926.5	5134.3	5428.0	5134.3	4902.7
27.5°	4083.6	4444.1	5034.0	4415.5	4047.7
30°	3295.5	3651.3	4472.8	3653.7	3266.8
32.5°	2646.0	2930.1	3758.8	2889.5	2591.0
35°	2177.9	2347.4	2942.1	2311.6	2127.7
37.5°	1834.0	1888.9	2154.0	1857.9	1795.8
40°	1604.8	1559.4	1542.7	1535.5	1559.4
42.5°	1423.3	1315.8	1117.6	1289.5	1380.3
45°	1222.7	1120.0	800.0	1098.5	1203.6
47.5°	962.4	919.4	594.6	900.3	928.9
50°	745.1	687.8	460.9	675.8	718.8
52.5°	573.1	508.7	363.0	491.9	544.5
55°	439.4	374.9	281.8	367.8	417.9
57.5°	339.1	281.8	217.3	272.2	322.4
60°	257.9	212.5	167.2	203.0	243.6
62.5°	193.4	157.6	129.0	152.8	183.9
65°	145.7	117.0	97.9	114.6	136.1
67.5°	107.5	88.4	74.0	83.6	100.3
70°	78.8	64.5	57.3	62.1	74.0
72.5°	54.9	47.8	43.0	45.4	50.1
75°	38.2	33.4	31.0	31.0	35.8
77.5°	26.3	23.9	21.5	23.9	26.3
80°	16.7	16.7	16.7	16.7	16.7
82.5°	11.9	11.9	11.9	11.9	9.6
85°	7.2	7.2	7.2	7.2	7.2
87.5°	4.8	4.8	4.8	4.8	2.4
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)