

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 EX6C1209035 6LCSQWLI**

Issue Date: 2/16/2022



**Test Information**

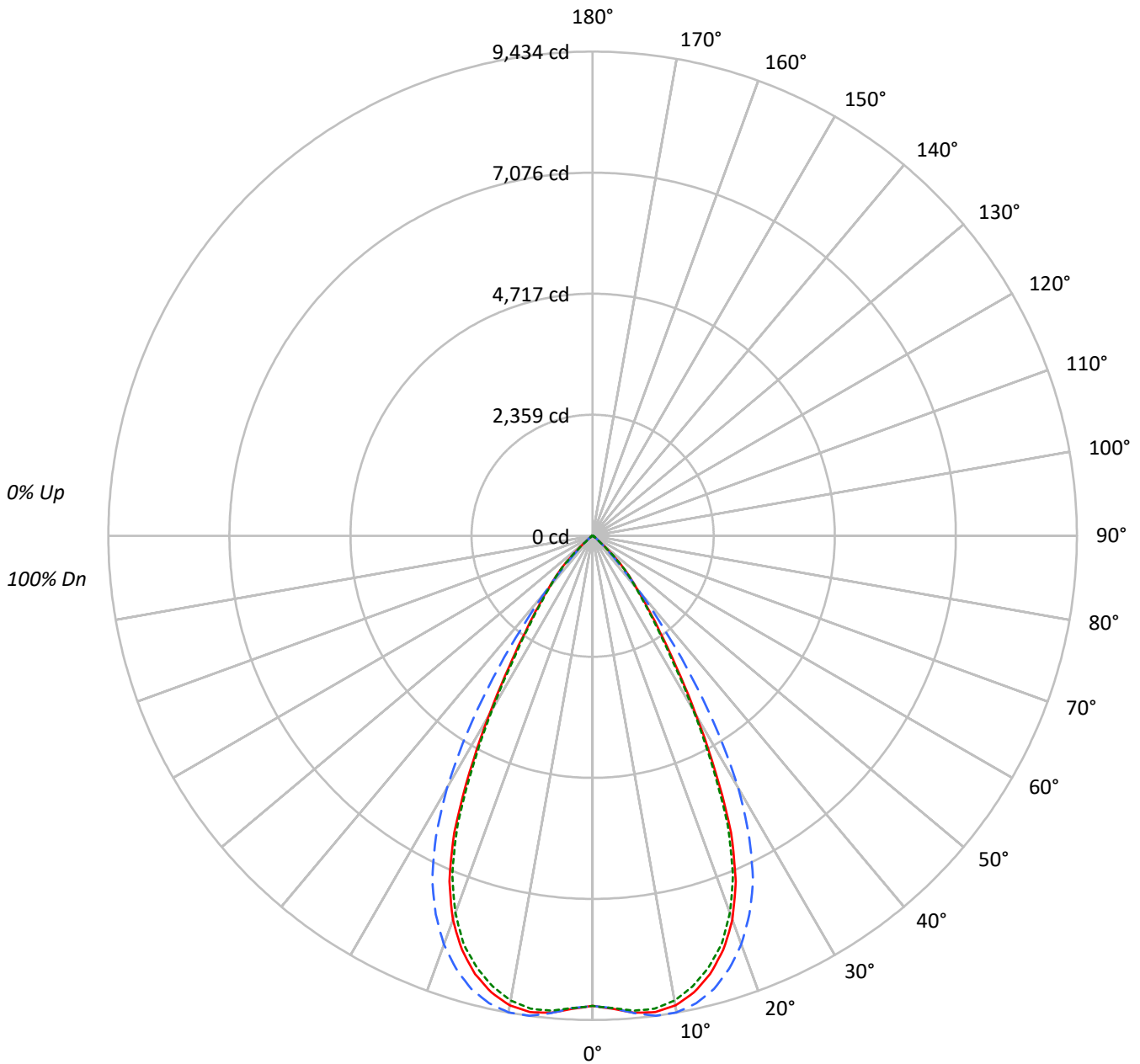
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C120D010 EX6C1209035 6LCSQWLI  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8831.0 lumens  
Efficiency: N/A  
Efficacy: 62.1 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): 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 EX6C1209035 6LCSQWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C120D010 EX6C1209035 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°	394394	394394	394394
5°	403226	403542	401450
10°	406197	412230	401960
15°	394056	407442	388333
20°	364663	388077	358116
25°	303074	351169	295824
30°	199890	282011	193869
35°	120176	177463	114699
40°	74736	80317	71740
45°	43652	29051	42032
50°	10222	10061	9893
55°	4909	4729	4909
60°	3126	2919	3126
65°	2221	1976	2221
70°	1523	1523	1523
75°	799	1214	799
80°	1190	1190	1190
85°	1186	1186	1186



TEST NUMBER: P#

CATALOG NUMBER: LX6C120D010 EX6C1209035 6LCSQWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	890.7	10.1
10°-20°	2508.6	28.4
20°-30°	3059.3	34.6
30°-40°	1735.6	19.7
40°-50°	532.3	6.0
50°-60°	71.6	0.8
60°-70°	22.0	0.2
70°-80°	7.8	0.1
80°-90°	3.1	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°	6458.5	73.1
0°-40°	8194.1	92.8
0°-60°	8798.0	99.6
0°-90°	8831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8831.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9160	9160	9160	9160	9160	
5°	9330	9332	9337	9310	9288	889
15°	8840	9039	9141	8969	8712	2464
25°	6380	6927	7392	6869	6227	2820
35°	2286	2613	3376	2536	2182	1495
45°	717	751	477	722	690	540
55°	65	68	63	65	65	66
65°	22	22	19	22	22	22
75°	5	7	7	7	5	7
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C120D010 EX6C1209035 6LCSQWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9160.1	9160.1	9160.1	9160.1	9160.1
2.5°	9227.9	9220.7	9211.0	9208.5	9211.0
5°	9329.6	9332.1	9336.9	9310.3	9288.5
7.5°	9361.1	9404.7	9433.8	9363.6	9293.3
10°	9290.9	9380.5	9428.9	9320.0	9194.0
12.5°	9114.1	9261.8	9327.2	9186.7	8993.0
15°	8840.4	9039.0	9140.7	8968.8	8712.0
17.5°	8462.6	8731.4	8845.2	8653.9	8346.3
20°	7958.8	8278.5	8469.8	8220.4	7815.9
22.5°	7287.9	7716.6	7983.0	7663.3	7142.6
25°	6379.6	6927.0	7392.0	6868.9	6227.0
27.5°	5183.1	5900.1	6604.9	5822.5	5045.1
30°	4020.6	4669.7	5672.4	4614.0	3899.5
32.5°	3022.7	3548.3	4548.6	3485.3	2896.7
35°	2286.4	2613.4	3376.3	2535.9	2182.2
37.5°	1739.0	1920.7	2262.2	1865.0	1649.4
40°	1329.7	1409.6	1429.0	1368.4	1276.4
42.5°	1039.0	1039.0	835.6	1007.6	1007.6
45°	716.9	750.8	477.1	721.8	690.3
47.5°	360.9	482.0	261.6	465.0	336.7
50°	152.6	237.4	150.2	230.1	147.7
52.5°	92.0	104.1	92.0	104.1	87.2
55°	65.4	67.8	63.0	65.4	65.4
57.5°	48.4	48.4	46.0	48.4	48.4
60°	36.3	36.3	33.9	36.3	36.3
62.5°	26.6	29.1	26.6	29.1	26.6
65°	21.8	21.8	19.4	21.8	21.8
67.5°	17.0	17.0	14.5	17.0	17.0
70°	12.1	12.1	12.1	12.1	12.1
72.5°	9.7	9.7	9.7	9.7	9.7
75°	4.8	7.3	7.3	7.3	4.8
77.5°	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8
82.5°	2.4	4.8	4.8	4.8	2.4
85°	2.4	2.4	2.4	2.4	2.4
87.5°	2.4	2.4	2.4	2.4	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)