

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 EX6C1209050 6LCSQWH**

Issue Date: 2/16/2022



**Test Information**

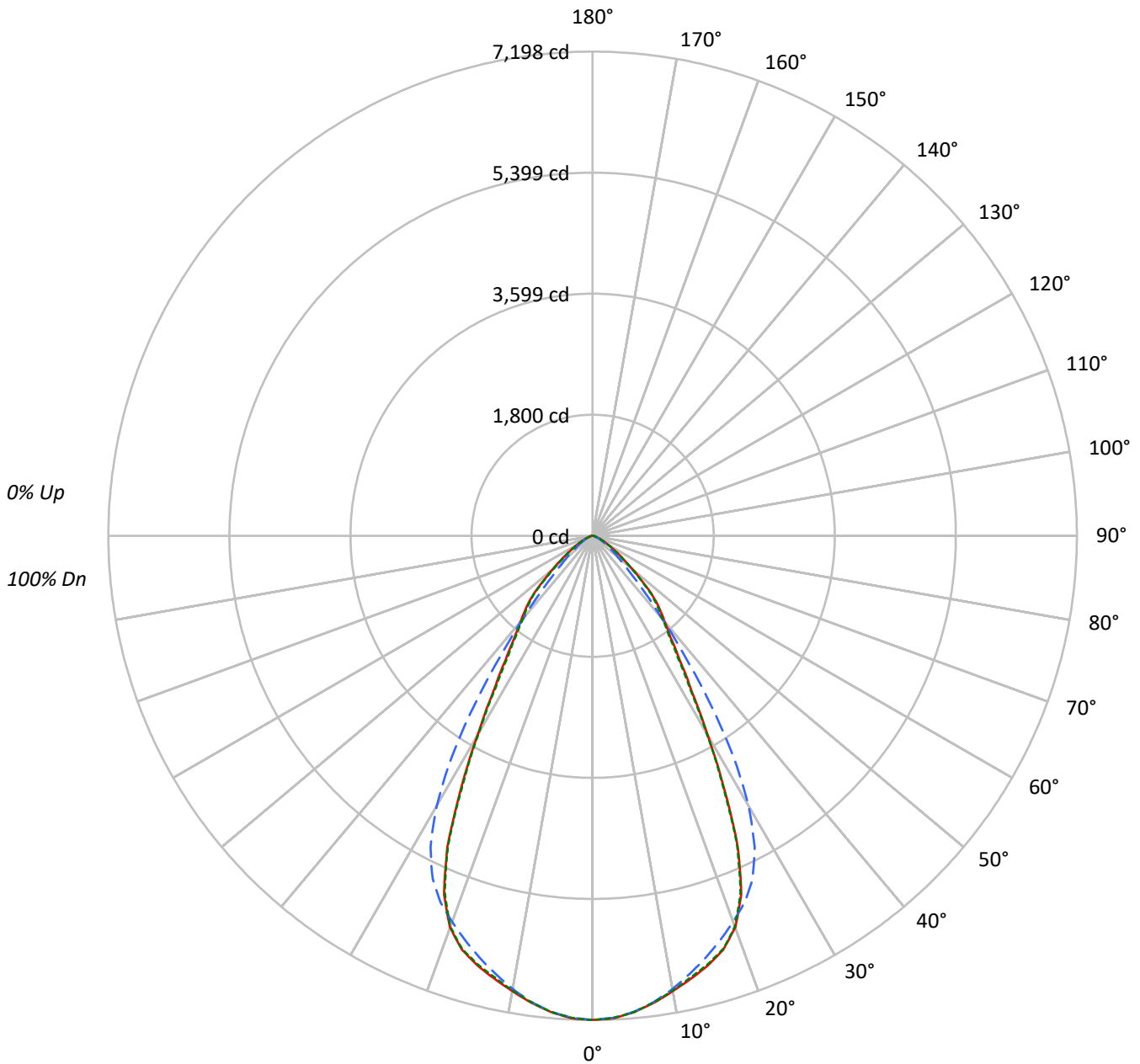
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C120D010 EX6C1209050 6LCSQWH  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7885.0 lumens  
Efficiency: N/A  
Efficacy: 55.4 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

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### Luminous Intensity Polar Plot





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**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				100															
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92															
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84															
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77															
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71				71															
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65				65															
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60				60															
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56				56															
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52				52															
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48				48															
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45															

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

	0°	45°	90°
0°	309923	309923	309923
5°	307148	306936	307148
10°	300526	299123	300093
15°	294816	289520	294045
20°	283880	279798	283312
25°	242598	267291	241419
30°	169826	230500	168350
35°	118657	160291	115924
40°	93492	89878	90850
45°	77172	50490	75966
50°	51731	31998	49909
55°	34192	21927	32518
60°	23018	14923	21743
65°	15384	10341	14375
70°	10285	7478	9655
75°	6588	5357	6172
80°	4289	4289	4289
85°	3656	3656	3656



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	670.1	8.5
10°-20°	1842.5	23.4
20°-30°	2381.1	30.2
30°-40°	1612.1	20.4
40°-50°	848.3	10.8
50°-60°	355.0	4.5
60°-70°	127.4	1.6
70°-80°	39.6	0.5
80°-90°	8.9	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°	4893.8	62.1
0°-40°	6505.9	82.5
0°-60°	7709.1	97.8
0°-90°	7885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7885.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7198	7198	7198	7198	7198	
5°	7107	7104	7102	7104	7107	671
15°	6614	6552	6495	6540	6597	1858
25°	5107	5322	5626	5322	5082	2266
35°	2258	2433	3050	2396	2206	1462
45°	1267	1161	829	1139	1248	950
55°	456	389	292	381	433	427
65°	151	121	102	119	141	157
75°	40	35	32	32	37	46
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7198.2	7198.2	7198.2	7198.2	7198.2
2.5°	7180.9	7173.5	7171.0	7173.5	7173.5
5°	7106.6	7104.2	7101.7	7104.2	7106.6
7.5°	7002.7	6995.2	6990.3	6990.3	6992.8
10°	6873.9	6861.6	6841.8	6854.1	6864.0
12.5°	6745.2	6715.5	6671.0	6700.7	6725.4
15°	6614.0	6552.2	6495.2	6539.8	6596.7
17.5°	6453.1	6391.3	6302.2	6378.9	6443.2
20°	6195.7	6158.6	6106.6	6158.6	6183.3
22.5°	5772.4	5817.0	5901.1	5809.6	5742.7
25°	5106.6	5321.9	5626.4	5321.9	5081.8
27.5°	4232.8	4606.6	5218.0	4576.9	4195.7
30°	3415.9	3784.8	4636.3	3787.2	3386.2
32.5°	2742.6	3037.2	3896.1	2995.1	2685.7
35°	2257.5	2433.2	3049.6	2396.1	2205.5
37.5°	1901.0	1958.0	2232.7	1925.8	1861.4
40°	1663.4	1616.4	1599.1	1591.6	1616.4
42.5°	1475.3	1363.9	1158.4	1336.7	1430.7
45°	1267.4	1160.9	829.2	1138.6	1247.6
47.5°	997.6	953.0	616.4	933.2	962.9
50°	772.3	712.9	477.7	700.5	745.1
52.5°	594.1	527.2	376.2	509.9	564.4
55°	455.5	388.6	292.1	381.2	433.2
57.5°	351.5	292.1	225.3	282.2	334.2
60°	267.3	220.3	173.3	210.4	252.5
62.5°	200.5	163.4	133.7	158.4	190.6
65°	151.0	121.3	101.5	118.8	141.1
67.5°	111.4	91.6	76.7	86.6	104.0
70°	81.7	66.8	59.4	64.4	76.7
72.5°	56.9	49.5	44.6	47.0	52.0
75°	39.6	34.7	32.2	32.2	37.1
77.5°	27.2	24.8	22.3	24.8	27.2
80°	17.3	17.3	17.3	17.3	17.3
82.5°	12.4	12.4	12.4	12.4	9.9
85°	7.4	7.4	7.4	7.4	7.4
87.5°	5.0	5.0	5.0	5.0	2.5
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)