

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: **LX6C130D010 EX6C1309040 6LBPSSQMW**

Issue Date: 2/18/2022



**Test Information**

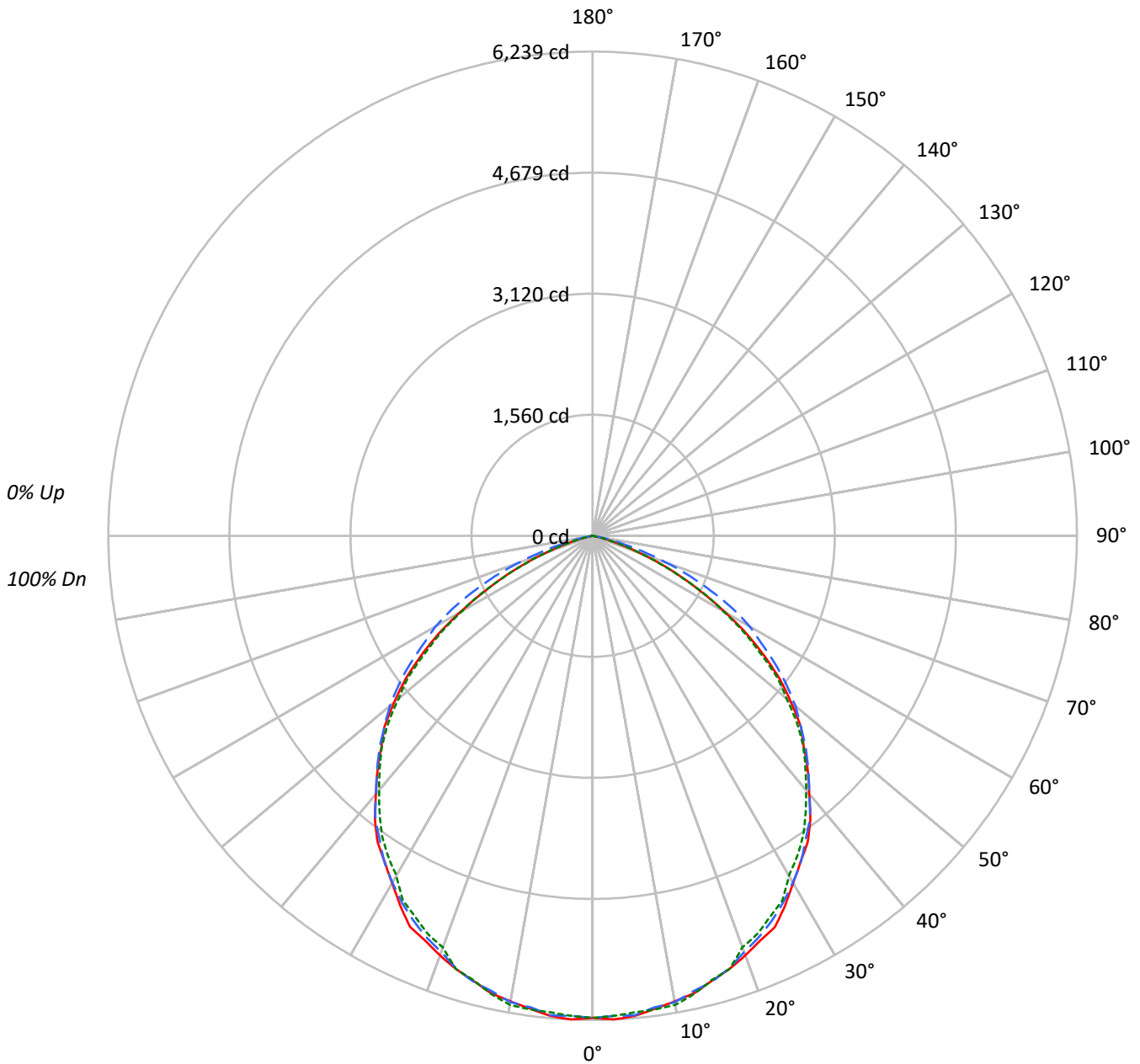
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309040 6LBPSSQMW  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBPSSQ TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14996.0 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 144.3  
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																			
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87																			
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75																			
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64																			
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56																			
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49																			
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43																			
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38																			
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34																			
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31																			
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28																			

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

	0°	45°	90°
0°	267427	267427	267427
5°	268449	268056	266469
10°	266355	266748	268353
15°	264612	265027	264211
20°	263596	261502	258565
25°	264170	259823	257206
30°	256870	256422	251411
35°	253755	251353	248457
40°	244060	244060	240457
45°	234292	236509	233726
50°	223361	228284	218464
55°	202871	215250	198060
60°	169613	201147	167254
65°	129742	171716	128784
70°	80743	126856	81876
75°	30493	68605	28946
80°	2232	11331	2232
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	587.4	3.9
10°-20°	1675.1	11.2
20°-30°	2520.7	16.8
30°-40°	2981.9	19.9
40°-50°	2975.8	19.8
50°-60°	2467.6	16.5
60°-70°	1441.7	9.6
70°-80°	343.3	2.3
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°	4783.2	31.9
0°-40°	7765.1	51.8
0°-60°	13208.5	88.1
0°-90°	14996.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14996.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6211	6211	6211	6211	6211	
5°	6211	6179	6202	6184	6165	588
15°	5936	5932	5946	5918	5927	1678
25°	5561	5497	5469	5451	5414	2542
35°	4828	4782	4782	4755	4727	3002
45°	3848	3852	3884	3843	3838	2977
55°	2703	2799	2868	2790	2638	2400
65°	1274	1434	1686	1429	1264	1266
75°	183	266	412	261	174	248
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309040 6LBPSSQMW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2
2.5°	6238.9	6202.1	6229.5	6174.8	6211.2	6174.8	6183.8	6165.4	6202.1	6192.8	6183.8
5°	6211.2	6220.5	6202.1	6220.5	6192.8	6165.4	6192.8	6174.8	6119.7	6202.1	6183.8
7.5°	6147.0	6156.4	6138.0	6165.4	6147.0	6110.3	6183.8	6128.7	6119.7	6128.7	6165.4
10°	6092.3	6110.3	6101.3	6092.3	6101.3	6101.3	6082.9	6055.6	6082.9	6101.3	6092.3
12.5°	6037.2	6064.6	6046.2	6028.2	6009.8	6018.8	6037.2	5991.5	5991.5	6009.8	6064.6
15°	5936.4	5954.7	5963.7	5927.4	5927.4	5936.4	5973.1	5899.6	5936.4	5945.7	5954.7
17.5°	5853.9	5863.2	5863.2	5835.5	5853.9	5826.5	5853.9	5817.2	5853.9	5844.9	5863.2
20°	5753.0	5771.4	5753.0	5753.0	5735.0	5744.0	5744.0	5744.0	5716.7	5707.3	5725.7
22.5°	5643.2	5643.2	5624.8	5643.2	5624.8	5615.8	5661.6	5588.4	5661.6	5597.5	5652.6
25°	5560.7	5515.0	5487.6	5478.3	5515.0	5478.3	5496.6	5469.2	5487.6	5469.2	5478.3
27.5°	5368.4	5341.0	5331.7	5341.0	5341.0	5331.7	5368.4	5267.6	5331.7	5322.7	5322.7
30°	5166.7	5166.7	5185.1	5166.7	5185.1	5157.7	5194.4	5112.0	5166.7	5157.7	5166.7
32.5°	4983.8	4992.8	4992.8	5011.1	4983.8	4992.8	4992.8	4965.4	4983.8	4992.8	4974.4
35°	4827.8	4782.1	4782.1	4782.1	4782.1	4782.1	4800.4	4773.1	4800.4	4782.1	4782.1
37.5°	4608.1	4562.4	4562.4	4553.0	4598.8	4571.4	4617.1	4580.4	4580.4	4598.8	4598.8
40°	4342.3	4360.7	4333.3	4369.7	4360.7	4324.0	4406.4	4351.7	4388.1	4342.3	4379.1
42.5°	4104.3	4113.3	4104.3	4094.9	4131.6	4122.6	4159.0	4122.6	4113.3	4113.3	4177.4
45°	3847.8	3847.8	3847.8	3875.2	3847.8	3856.8	3893.6	3875.2	3893.6	3884.2	3948.3
47.5°	3636.8	3591.1	3582.1	3636.8	3627.8	3636.8	3636.8	3646.2	3655.2	3636.8	3664.5
50°	3334.6	3316.3	3316.3	3325.6	3334.6	3353.0	3380.4	3398.7	3380.4	3408.1	3417.1
52.5°	3041.5	3023.1	3032.5	3068.8	3087.2	3078.2	3123.9	3133.0	3123.9	3142.3	3142.3
55°	2702.6	2684.2	2711.6	2757.7	2785.0	2812.4	2858.2	2821.8	2858.2	2867.5	2876.5
57.5°	2354.3	2345.3	2354.3	2400.0	2427.8	2491.9	2565.0	2565.0	2601.7	2574.4	2601.7
60°	1969.7	1969.7	2006.4	2033.8	2107.2	2153.0	2226.1	2262.8	2299.6	2335.9	2317.9
62.5°	1603.0	1612.4	1639.8	1703.9	1749.6	1814.1	1896.2	1932.9	1997.0	2033.8	2015.4
65°	1273.5	1273.5	1291.9	1346.6	1392.3	1474.8	1548.3	1630.8	1667.5	1685.5	1694.9
67.5°	952.6	943.6	980.3	1017.1	1062.8	1145.3	1227.7	1273.5	1337.6	1356.0	1346.6
70°	641.4	650.4	668.8	705.5	760.3	824.4	916.2	952.6	989.3	1007.7	989.3
72.5°	403.0	403.0	412.4	448.8	485.5	531.2	595.3	632.1	677.8	687.2	668.8
75°	183.3	183.3	201.7	219.7	247.4	284.2	329.9	357.3	384.6	412.4	412.4
77.5°	36.7	45.7	55.1	55.1	73.1	100.8	128.2	155.6	183.3	183.3	183.3
80°	9.0	9.0	9.0	9.0	9.0	9.0	18.4	27.4	45.7	45.7	45.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2	6211.2
2.5°	6211.2	6266.3	6211.2	6183.8	6220.5	6211.2	6183.8	6192.8
5°	6183.8	6202.1	6220.5	6147.0	6192.8	6202.1	6183.8	6165.4
7.5°	6156.4	6165.4	6156.4	6138.0	6138.0	6138.0	6156.4	6156.4
10°	6147.0	6119.7	6073.9	6046.2	6073.9	6073.9	6064.6	6138.0
12.5°	6028.2	6064.6	6037.2	5982.1	6037.2	6028.2	6028.2	6046.2
15°	5936.4	5936.4	5954.7	5881.6	5918.0	5909.0	5909.0	5927.4
17.5°	5844.9	5844.9	5835.5	5817.2	5808.1	5835.5	5808.1	5853.9
20°	5716.7	5735.0	5789.8	5698.3	5725.7	5698.3	5698.3	5643.2
22.5°	5560.7	5652.6	5606.5	5597.5	5588.4	5597.5	5615.8	5551.7
25°	5459.9	5459.9	5478.3	5423.5	5423.5	5441.9	5432.5	5414.1
27.5°	5322.7	5313.3	5304.3	5285.9	5331.7	5295.3	5295.3	5295.3
30°	5130.3	5157.7	5148.7	5102.6	5157.7	5139.3	5112.0	5056.9
32.5°	4965.4	5002.1	4947.0	4938.0	4928.7	4938.0	4947.0	4901.3
35°	4763.7	4773.1	4773.1	4736.3	4745.3	4736.3	4718.0	4727.0
37.5°	4580.4	4571.4	4525.6	4507.3	4516.3	4516.3	4525.6	4507.3
40°	4324.0	4351.7	4351.7	4287.6	4305.6	4287.6	4287.6	4278.2
42.5°	4113.3	4122.6	4094.9	4067.5	4067.5	4058.5	4040.2	4058.5
45°	3893.6	3884.2	3856.8	3829.5	3829.5	3820.1	3801.8	3838.5
47.5°	3646.2	3627.8	3618.8	3582.1	3582.1	3527.0	3536.3	3572.7
50°	3398.7	3380.4	3344.0	3325.6	3297.9	3270.5	3261.5	3261.5
52.5°	3105.6	3105.6	3068.8	3032.5	3023.1	3004.7	2986.4	2995.7
55°	2849.1	2849.1	2821.8	2757.7	2720.9	2675.2	2647.5	2638.5
57.5°	2556.0	2537.6	2482.5	2409.4	2372.7	2335.9	2308.6	2308.6
60°	2262.8	2217.1	2162.0	2097.9	2033.8	1969.7	1951.3	1942.3
62.5°	1942.3	1896.2	1795.7	1722.2	1676.5	1639.8	1603.0	1630.8
65°	1621.4	1557.3	1465.8	1392.3	1346.6	1291.9	1264.1	1264.1
67.5°	1282.5	1218.4	1126.9	1053.4	1007.7	971.0	934.6	934.6
70°	943.6	897.9	815.4	751.3	714.5	659.4	650.4	650.4
72.5°	641.4	586.3	522.2	476.5	439.7	403.0	384.6	375.6
75°	357.3	320.5	274.8	247.4	210.7	192.3	174.0	174.0
77.5°	146.6	119.2	91.5	73.1	55.1	45.7	36.7	45.7
80°	27.4	18.4	9.0	9.0	9.0	9.0	9.0	9.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	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)