

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 EX6C1309027 6LBPSSQMW**

Issue Date: 2/18/2022

**Test Information**

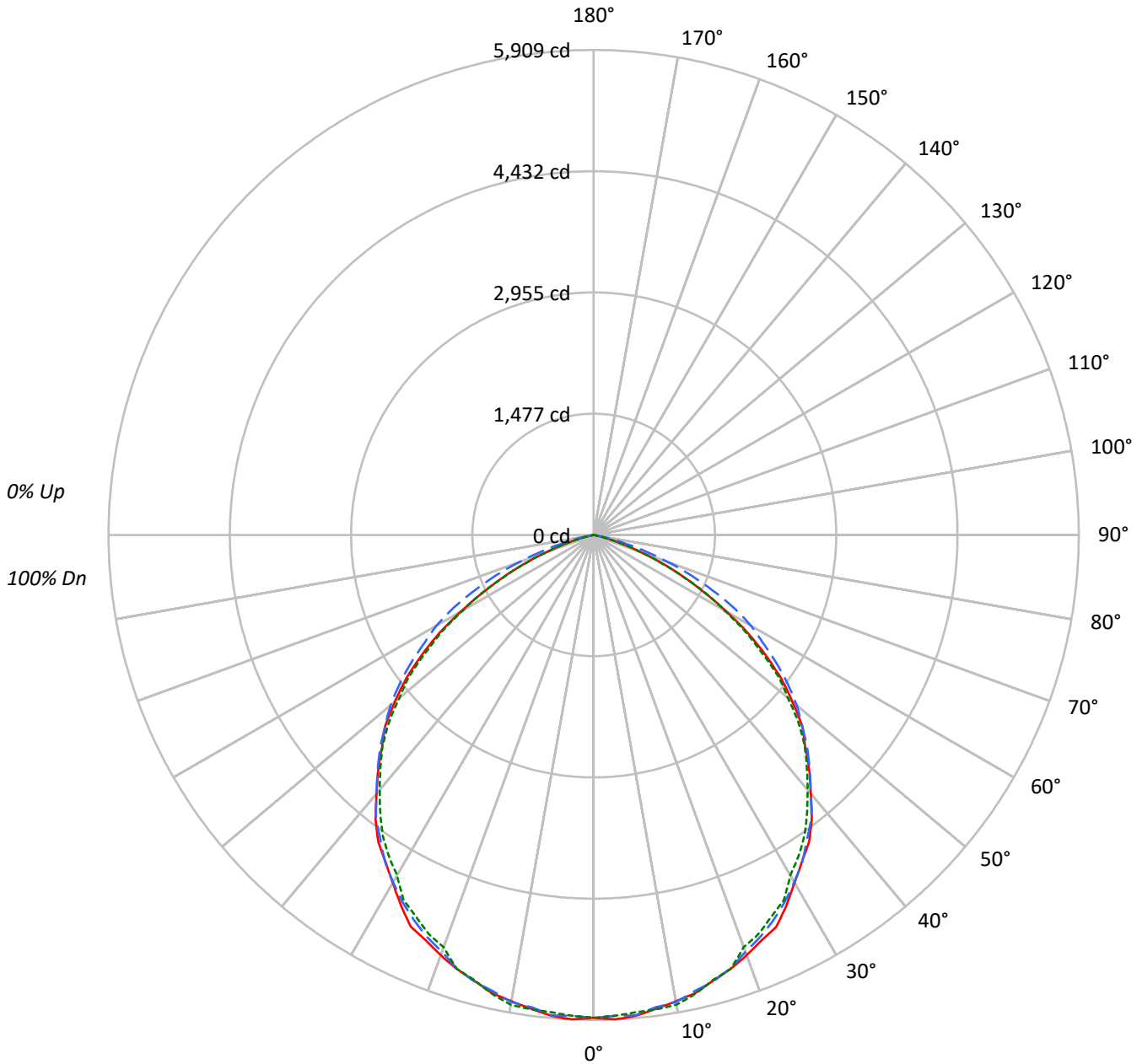
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209457)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309027 6LBPSSQMW  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBPSSQ TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14203.0 lumens  
Efficiency: N/A  
Efficacy: 98.4 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°	253284	253284	253284
5°	254251	253884	252380
10°	252268	252644	254165
15°	250616	251012	250237
20°	249658	247674	244893
25°	250203	246085	243605
30°	243287	242865	238117
35°	240336	238060	235317
40°	231155	231155	227743
45°	221907	224002	221365
50°	211552	216214	206910
55°	192145	203870	187581
60°	160641	190513	158410
65°	122876	162639	121979
70°	76476	120146	77546
75°	28879	64978	27415
80°	2108	10736	2108
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	556.4	3.9
10°-20°	1586.5	11.2
20°-30°	2387.4	16.8
30°-40°	2824.2	19.9
40°-50°	2818.4	19.8
50°-60°	2337.1	16.5
60°-70°	1365.5	9.6
70°-80°	325.2	2.3
80°-90°	2.3	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°	4530.3	31.9
0°-40°	7354.5	51.8
0°-60°	12510.0	88.1
0°-90°	14203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14203.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5883	5883	5883	5883	5883	
5°	5883	5852	5874	5857	5839	557
15°	5622	5618	5631	5605	5614	1589
25°	5267	5206	5180	5163	5128	2407
35°	4572	4529	4529	4503	4477	2843
45°	3644	3649	3679	3640	3636	2819
55°	2560	2651	2716	2642	2499	2273
65°	1206	1358	1596	1354	1197	1199
75°	174	252	391	247	165	235
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7
2.5°	5909.0	5874.2	5900.1	5848.2	5882.7	5848.2	5856.8	5839.4	5874.2	5865.3	5856.8
5°	5882.7	5891.6	5874.2	5891.6	5865.3	5839.4	5865.3	5848.2	5796.1	5874.2	5856.8
7.5°	5822.0	5830.8	5813.5	5839.4	5822.0	5787.2	5856.8	5804.6	5796.1	5804.6	5839.4
10°	5770.1	5787.2	5778.7	5770.1	5778.7	5778.7	5761.3	5735.3	5761.3	5778.7	5770.1
12.5°	5717.9	5743.9	5726.5	5709.4	5692.0	5700.6	5717.9	5674.6	5674.6	5692.0	5743.9
15°	5622.4	5639.8	5648.4	5613.9	5613.9	5622.4	5657.2	5587.7	5622.4	5631.3	5639.8
17.5°	5544.3	5553.2	5553.2	5526.9	5544.3	5518.4	5544.3	5509.5	5544.3	5535.8	5553.2
20°	5448.8	5466.2	5448.8	5448.8	5431.8	5440.3	5440.3	5440.3	5414.4	5405.5	5422.9
22.5°	5344.8	5344.8	5327.4	5344.8	5327.4	5318.9	5362.2	5292.9	5362.2	5301.5	5353.6
25°	5266.7	5223.3	5197.4	5188.6	5223.3	5188.6	5206.0	5180.0	5197.4	5180.0	5188.6
27.5°	5084.5	5058.6	5049.7	5058.6	5058.6	5049.7	5084.5	4989.0	5049.7	5041.2	5041.2
30°	4893.5	4893.5	4910.9	4893.5	4910.9	4885.0	4919.8	4841.6	4893.5	4885.0	4893.5
32.5°	4720.2	4728.7	4728.7	4746.1	4720.2	4728.7	4728.7	4702.8	4720.2	4728.7	4711.4
35°	4572.5	4529.2	4529.2	4529.2	4529.2	4529.2	4546.6	4520.7	4546.6	4529.2	4529.2
37.5°	4364.4	4321.1	4321.1	4312.3	4355.6	4329.7	4373.0	4338.2	4338.2	4355.6	4355.6
40°	4112.7	4130.1	4104.2	4138.6	4130.1	4095.3	4173.4	4121.6	4156.0	4112.7	4147.5
42.5°	3887.2	3895.8	3887.2	3878.4	3913.2	3904.6	3939.1	3904.6	3895.8	3895.8	3956.5
45°	3644.4	3644.4	3644.4	3670.3	3644.4	3652.9	3687.7	3670.3	3687.7	3678.8	3739.5
47.5°	3444.5	3401.2	3392.6	3444.5	3436.0	3444.5	3444.5	3453.3	3461.9	3444.5	3470.7
50°	3158.3	3140.9	3140.9	3149.8	3158.3	3175.7	3201.6	3219.0	3201.6	3227.9	3236.4
52.5°	2880.6	2863.2	2872.1	2906.6	2924.0	2915.4	2958.7	2967.3	2958.7	2976.1	2976.1
55°	2559.7	2542.3	2568.2	2611.8	2637.8	2663.7	2707.0	2672.6	2707.0	2715.9	2724.4
57.5°	2229.8	2221.3	2229.8	2273.1	2299.4	2360.1	2429.4	2429.4	2464.1	2438.2	2464.1
60°	1865.5	1865.5	1900.3	1926.2	1995.8	2039.1	2108.4	2143.2	2178.0	2212.4	2195.3
62.5°	1518.3	1527.1	1553.1	1613.8	1657.1	1718.1	1795.9	1830.7	1891.4	1926.2	1908.8
65°	1206.1	1206.1	1223.5	1275.4	1318.7	1396.8	1466.4	1544.5	1579.3	1596.4	1605.2
67.5°	902.2	893.7	928.5	963.3	1006.6	1084.7	1162.8	1206.1	1266.9	1284.3	1275.4
70°	607.5	616.0	633.4	668.2	720.1	780.8	867.8	902.2	937.0	954.4	937.0
72.5°	381.7	381.7	390.6	425.0	459.8	503.1	563.9	598.6	642.0	650.8	633.4
75°	173.6	173.6	191.0	208.1	234.3	269.1	312.4	338.4	364.3	390.6	390.6
77.5°	34.8	43.3	52.2	52.2	69.3	95.5	121.4	147.4	173.6	173.6	173.6
80°	8.5	8.5	8.5	8.5	8.5	8.5	17.4	25.9	43.3	43.3	43.3
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°	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7	5882.7
2.5°	5882.7	5934.9	5882.7	5856.8	5891.6	5882.7	5856.8	5865.3
5°	5856.8	5874.2	5891.6	5822.0	5865.3	5874.2	5856.8	5839.4
7.5°	5830.8	5839.4	5830.8	5813.5	5813.5	5813.5	5830.8	5830.8
10°	5822.0	5796.1	5752.7	5726.5	5752.7	5752.7	5743.9	5813.5
12.5°	5709.4	5743.9	5717.9	5665.8	5717.9	5709.4	5709.4	5726.5
15°	5622.4	5622.4	5639.8	5570.6	5605.0	5596.5	5596.5	5613.9
17.5°	5535.8	5535.8	5526.9	5509.5	5501.0	5526.9	5501.0	5544.3
20°	5414.4	5431.8	5483.6	5397.0	5422.9	5397.0	5397.0	5344.8
22.5°	5266.7	5353.6	5310.0	5301.5	5292.9	5301.5	5318.9	5258.1
25°	5171.2	5171.2	5188.6	5136.7	5136.7	5154.1	5145.2	5127.8
27.5°	5041.2	5032.3	5023.8	5006.4	5049.7	5015.3	5015.3	5015.3
30°	4859.0	4885.0	4876.4	4832.8	4885.0	4867.6	4841.6	4789.5
32.5°	4702.8	4737.6	4685.4	4676.9	4668.0	4676.9	4685.4	4642.1
35°	4511.8	4520.7	4520.7	4485.9	4494.4	4485.9	4468.5	4477.0
37.5°	4338.2	4329.7	4286.3	4268.9	4277.5	4277.5	4286.3	4268.9
40°	4095.3	4121.6	4121.6	4060.9	4077.9	4060.9	4060.9	4052.0
42.5°	3895.8	3904.6	3878.4	3852.4	3852.4	3843.9	3826.5	3843.9
45°	3687.7	3678.8	3652.9	3627.0	3627.0	3618.1	3600.7	3635.5
47.5°	3453.3	3436.0	3427.4	3392.6	3392.6	3340.4	3349.3	3383.8
50°	3219.0	3201.6	3167.2	3149.8	3123.5	3097.6	3089.0	3089.0
52.5°	2941.4	2941.4	2906.6	2872.1	2863.2	2845.8	2828.5	2837.3
55°	2698.5	2698.5	2672.6	2611.8	2577.0	2533.7	2507.5	2498.9
57.5°	2420.8	2403.4	2351.2	2282.0	2247.2	2212.4	2186.5	2186.5
60°	2143.2	2099.8	2047.7	1986.9	1926.2	1865.5	1848.1	1839.6
62.5°	1839.6	1795.9	1700.7	1631.2	1587.8	1553.1	1518.3	1544.5
65°	1535.7	1474.9	1388.3	1318.7	1275.4	1223.5	1197.3	1197.3
67.5°	1214.7	1154.0	1067.3	997.7	954.4	919.6	885.2	885.2
70°	893.7	850.4	772.3	711.5	676.8	624.6	616.0	616.0
72.5°	607.5	555.3	494.6	451.3	416.5	381.7	364.3	355.8
75°	338.4	303.6	260.3	234.3	199.5	182.2	164.8	164.8
77.5°	138.8	112.9	86.6	69.3	52.2	43.3	34.8	43.3
80°	25.9	17.4	8.5	8.5	8.5	8.5	8.5	8.5
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)