

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 6LBCSSQMW**

Issue Date: 5/25/2022

**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: 5/25/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C120D010 EX6C1209035 6LBCSSQMW  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBCSSQ TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

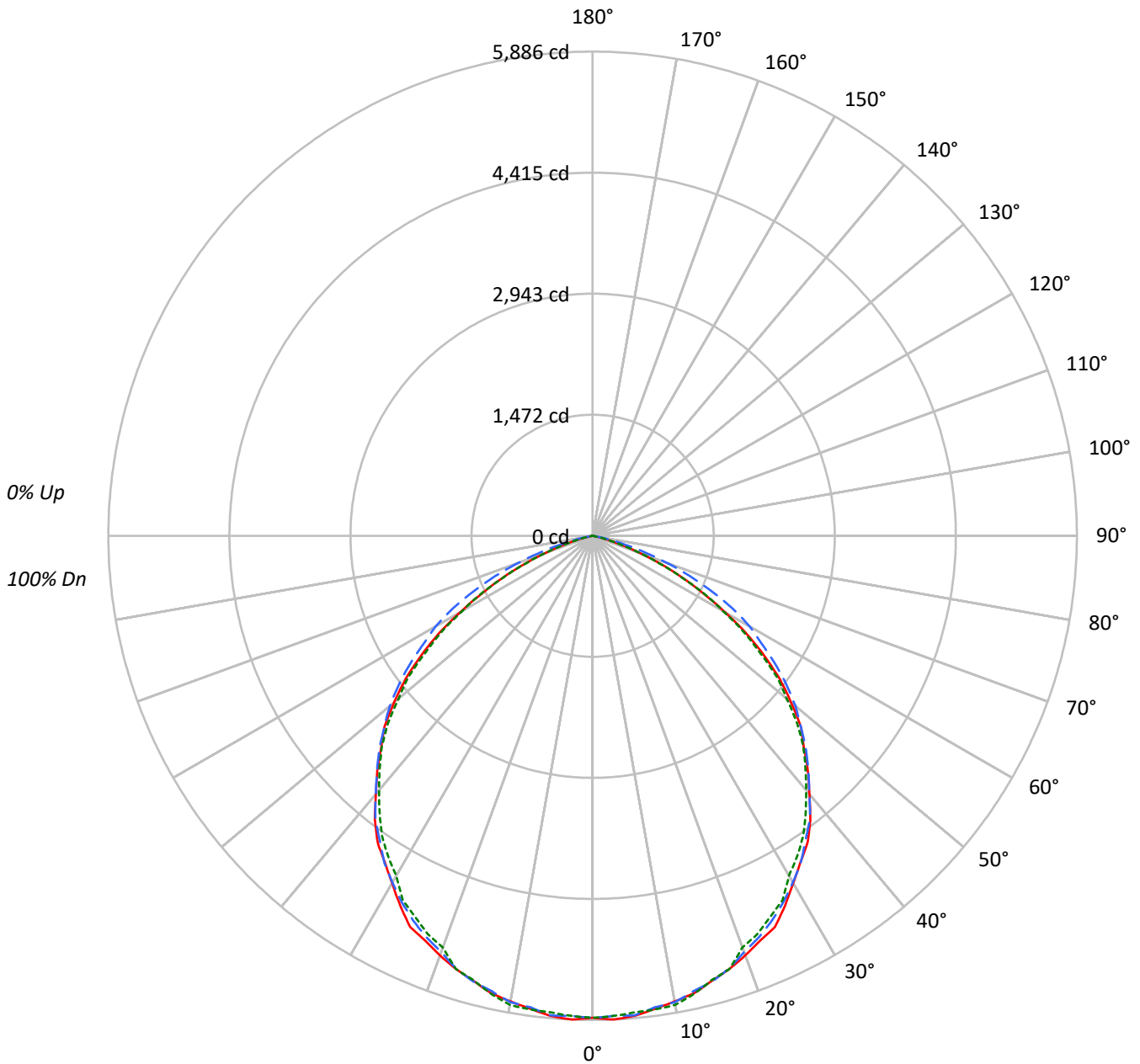
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14149.0 lumens  
Efficiency: N/A  
Efficacy: 99.4 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): 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				20				
RC	80				70				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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87			87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75			75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64			64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56			56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49			49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43			43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38			38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34			34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31			31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28			28

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

	0°	45°	90°
0°	252319	252319	252319
5°	253283	252916	251420
10°	251311	251682	253199
15°	249666	250058	249287
20°	248709	246730	243963
25°	249248	245149	242678
30°	242362	241940	237212
35°	239422	237156	234423
40°	230278	230278	226878
45°	221061	223149	220525
50°	210748	215390	206126
55°	191409	203097	186867
60°	160029	189789	157808
65°	122417	162017	121510
70°	76186	119693	77256
75°	28779	64728	27299
80°	2108	10711	2108
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	554.2	3.9
10°-20°	1580.5	11.2
20°-30°	2378.3	16.8
30°-40°	2813.5	19.9
40°-50°	2807.7	19.8
50°-60°	2328.2	16.5
60°-70°	1360.3	9.6
70°-80°	323.9	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°	4513.0	31.9
0°-40°	7326.5	51.8
0°-60°	12462.5	88.1
0°-90°	14149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14149.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5860	5860	5860	5860	5860	
5°	5860	5830	5852	5835	5817	555
15°	5601	5597	5610	5584	5593	1583
25°	5247	5186	5160	5143	5108	2398
35°	4555	4512	4512	4486	4460	2832
45°	3630	3635	3665	3626	3622	2808
55°	2550	2641	2706	2632	2489	2264
65°	1202	1353	1590	1348	1193	1194
75°	173	251	389	246	164	234
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3
2.5°	5886.5	5851.8	5877.7	5826.0	5860.3	5826.0	5834.5	5817.2	5851.8	5843.0	5834.5
5°	5860.3	5869.2	5851.8	5869.2	5843.0	5817.2	5843.0	5826.0	5774.0	5851.8	5834.5
7.5°	5799.9	5808.7	5791.4	5817.2	5799.9	5765.2	5834.5	5782.5	5774.0	5782.5	5817.2
10°	5748.2	5765.2	5756.7	5748.2	5756.7	5756.7	5739.4	5713.5	5739.4	5756.7	5748.2
12.5°	5696.2	5722.0	5704.7	5687.7	5670.4	5678.9	5696.2	5653.1	5653.1	5670.4	5722.0
15°	5601.1	5618.4	5626.9	5592.6	5592.6	5601.1	5635.7	5566.4	5601.1	5609.9	5618.4
17.5°	5523.2	5532.1	5532.1	5505.9	5523.2	5497.4	5523.2	5488.6	5523.2	5514.7	5532.1
20°	5428.1	5445.4	5428.1	5428.1	5411.1	5419.6	5419.6	5419.6	5393.8	5384.9	5402.3
22.5°	5324.5	5324.5	5307.1	5324.5	5307.1	5298.6	5341.8	5272.8	5341.8	5281.3	5333.3
25°	5246.6	5203.5	5177.7	5168.8	5203.5	5168.8	5186.2	5160.3	5177.7	5160.3	5168.8
27.5°	5065.2	5039.4	5030.5	5039.4	5039.4	5030.5	5065.2	4970.0	5030.5	5022.0	5022.0
30°	4874.9	4874.9	4892.2	4874.9	4892.2	4866.4	4901.1	4823.2	4874.9	4866.4	4874.9
32.5°	4702.3	4710.8	4710.8	4728.1	4702.3	4710.8	4710.8	4684.9	4702.3	4710.8	4693.4
35°	4555.1	4512.0	4512.0	4512.0	4512.0	4512.0	4529.3	4503.5	4529.3	4512.0	4512.0
37.5°	4347.8	4304.7	4304.7	4295.9	4339.0	4313.2	4356.3	4321.7	4321.7	4339.0	4339.0
40°	4097.1	4114.4	4088.6	4122.9	4114.4	4079.7	4157.6	4105.9	4140.2	4097.1	4131.7
42.5°	3872.5	3881.0	3872.5	3863.6	3898.3	3889.8	3924.1	3889.8	3881.0	3881.0	3941.4
45°	3630.5	3630.5	3630.5	3656.3	3630.5	3639.0	3673.7	3656.3	3673.7	3664.8	3725.3
47.5°	3431.4	3388.2	3379.7	3431.4	3422.9	3431.4	3431.4	3440.2	3448.7	3431.4	3457.5
50°	3146.3	3129.0	3129.0	3137.8	3146.3	3163.6	3189.4	3206.8	3189.4	3215.6	3224.1
52.5°	2869.7	2852.4	2861.2	2895.5	2912.8	2904.3	2947.5	2956.0	2947.5	2964.8	2964.8
55°	2549.9	2532.6	2558.4	2601.9	2627.7	2653.6	2696.7	2662.4	2696.7	2705.6	2714.1
57.5°	2221.3	2212.8	2221.3	2264.5	2290.6	2351.1	2420.1	2420.1	2454.8	2428.9	2454.8
60°	1858.4	1858.4	1893.1	1918.9	1988.2	2031.4	2100.4	2135.0	2169.7	2204.0	2187.0
62.5°	1512.5	1521.3	1547.2	1607.6	1650.8	1711.6	1789.1	1823.8	1884.2	1918.9	1901.6
65°	1201.6	1201.6	1218.9	1270.5	1313.7	1391.5	1460.8	1538.6	1573.3	1590.3	1599.1
67.5°	898.8	890.3	925.0	959.6	1002.8	1080.6	1158.4	1201.6	1262.0	1279.4	1270.5
70°	605.2	613.7	631.0	665.7	717.3	777.8	864.5	898.8	933.5	950.8	933.5
72.5°	380.2	380.2	389.1	423.4	458.1	501.2	561.7	596.4	639.5	648.4	631.0
75°	173.0	173.0	190.3	207.3	233.4	268.1	311.3	337.1	362.9	389.1	389.1
77.5°	34.7	43.2	52.0	52.0	69.0	95.1	121.0	146.8	173.0	173.0	173.0
80°	8.5	8.5	8.5	8.5	8.5	8.5	17.3	25.8	43.2	43.2	43.2
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°	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3	5860.3
2.5°	5860.3	5912.3	5860.3	5834.5	5869.2	5860.3	5834.5	5843.0
5°	5834.5	5851.8	5869.2	5799.9	5843.0	5851.8	5834.5	5817.2
7.5°	5808.7	5817.2	5808.7	5791.4	5791.4	5791.4	5808.7	5808.7
10°	5799.9	5774.0	5730.9	5704.7	5730.9	5730.9	5722.0	5791.4
12.5°	5687.7	5722.0	5696.2	5644.2	5696.2	5687.7	5687.7	5704.7
15°	5601.1	5601.1	5618.4	5549.4	5583.7	5575.2	5575.2	5592.6
17.5°	5514.7	5514.7	5505.9	5488.6	5480.1	5505.9	5480.1	5523.2
20°	5393.8	5411.1	5462.8	5376.4	5402.3	5376.4	5376.4	5324.5
22.5°	5246.6	5333.3	5289.8	5281.3	5272.8	5281.3	5298.6	5238.1
25°	5151.5	5151.5	5168.8	5117.2	5117.2	5134.5	5125.7	5108.3
27.5°	5022.0	5013.2	5004.7	4987.4	5030.5	4996.2	4996.2	4996.2
30°	4840.6	4866.4	4857.9	4814.4	4866.4	4849.1	4823.2	4771.3
32.5°	4684.9	4719.6	4667.6	4659.1	4650.3	4659.1	4667.6	4624.5
35°	4494.6	4503.5	4503.5	4468.8	4477.3	4468.8	4451.5	4460.0
37.5°	4321.7	4313.2	4270.0	4252.7	4261.2	4261.2	4270.0	4252.7
40°	4079.7	4105.9	4105.9	4045.4	4062.4	4045.4	4045.4	4036.6
42.5°	3881.0	3889.8	3863.6	3837.8	3837.8	3829.3	3812.0	3829.3
45°	3673.7	3664.8	3639.0	3613.2	3613.2	3604.4	3587.0	3621.7
47.5°	3440.2	3422.9	3414.4	3379.7	3379.7	3327.7	3336.6	3370.9
50°	3206.8	3189.4	3155.1	3137.8	3111.6	3085.8	3077.3	3077.3
52.5°	2930.2	2930.2	2895.5	2861.2	2852.4	2835.0	2817.7	2826.5
55°	2688.2	2688.2	2662.4	2601.9	2567.2	2524.1	2497.9	2489.4
57.5°	2411.6	2394.3	2342.3	2273.3	2238.7	2204.0	2178.2	2178.2
60°	2135.0	2091.9	2039.9	1979.4	1918.9	1858.4	1841.1	1832.6
62.5°	1832.6	1789.1	1694.3	1625.0	1581.8	1547.2	1512.5	1538.6
65°	1529.8	1469.3	1383.0	1313.7	1270.5	1218.9	1192.7	1192.7
67.5°	1210.1	1149.6	1063.3	993.9	950.8	916.1	881.8	881.8
70°	890.3	847.1	769.3	708.8	674.2	622.2	613.7	613.7
72.5°	605.2	553.2	492.7	449.6	414.9	380.2	362.9	354.4
75°	337.1	302.4	259.3	233.4	198.8	181.5	164.1	164.1
77.5°	138.3	112.5	86.3	69.0	52.0	43.2	34.7	43.2
80°	25.8	17.3	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)