

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: **LX6C100D010 EX6C1009035 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: LX6C100D010 EX6C1009035 6LBCSSQMW  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBCSSQ TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

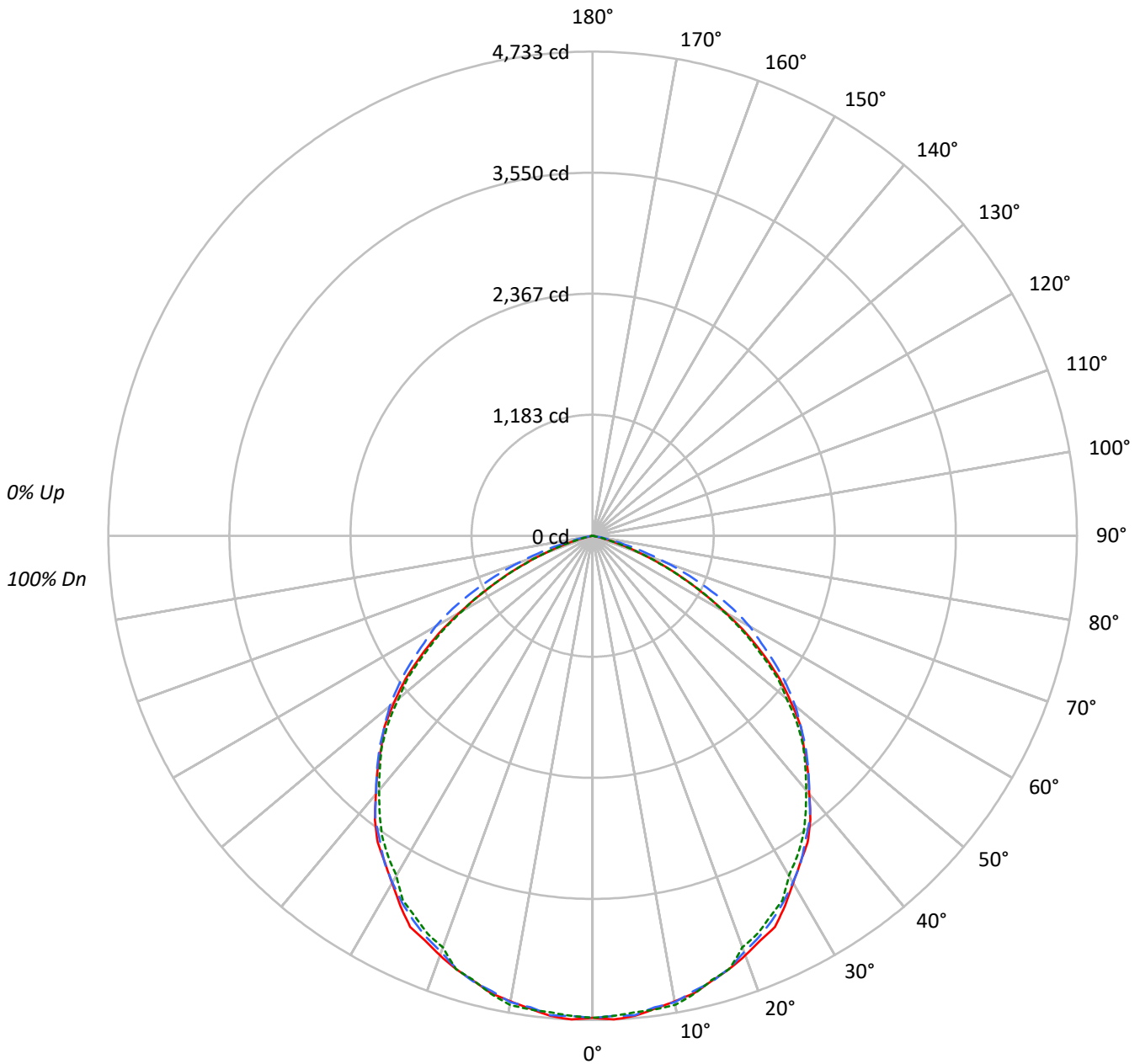
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11376.0 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): 114.4  
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	100	100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87	87	87	87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75	75	75	75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64	64	64	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	56	56	56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49	49	49	49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43	43	43	43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38	38	38	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34	34	34	34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31	31	31	31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28	28	28	28

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

	0°	45°	90°
0°	202870	202870	202870
5°	203645	203351	202145
10°	202056	202357	203573
15°	200732	201049	200429
20°	199967	198377	196146
25°	200402	197105	195119
30°	194863	194525	190722
35°	192500	190676	188479
40°	185145	185145	182414
45°	177738	179418	177305
50°	169446	173177	165729
55°	153899	163289	150243
60°	128668	152598	126876
65°	98425	130262	97701
70°	61256	96228	62112
75°	23140	52036	21959
80°	1686	8604	1686
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	445.6	3.9
10°-20°	1270.8	11.2
20°-30°	1912.2	16.8
30°-40°	2262.1	19.9
40°-50°	2257.4	19.8
50°-60°	1871.9	16.5
60°-70°	1093.7	9.6
70°-80°	260.4	2.3
80°-90°	1.9	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°	3628.6	31.9
0°-40°	5890.6	51.8
0°-60°	10020.0	88.1
0°-90°	11376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11376.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4712	4712	4712	4712	4712	
5°	4712	4688	4705	4691	4677	446
15°	4503	4500	4510	4490	4496	1273
25°	4218	4170	4149	4135	4107	1928
35°	3662	3628	3628	3607	3586	2277
45°	2919	2922	2947	2915	2912	2258
55°	2050	2123	2175	2116	2002	1820
65°	966	1088	1279	1084	959	960
75°	139	202	313	198	132	188
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°	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8
2.5°	4732.8	4705.0	4725.7	4684.2	4711.8	4684.2	4691.0	4677.1	4705.0	4697.9	4691.0
5°	4711.8	4718.9	4705.0	4718.9	4697.9	4677.1	4697.9	4684.2	4642.4	4705.0	4691.0
7.5°	4663.2	4670.3	4656.3	4677.1	4663.2	4635.3	4691.0	4649.2	4642.4	4649.2	4677.1
10°	4621.6	4635.3	4628.5	4621.6	4628.5	4628.5	4614.5	4593.8	4614.5	4628.5	4621.6
12.5°	4579.8	4600.6	4586.7	4573.0	4559.1	4565.9	4579.8	4545.1	4545.1	4559.1	4600.6
15°	4503.3	4517.3	4524.1	4496.5	4496.5	4503.3	4531.2	4475.5	4503.3	4510.4	4517.3
17.5°	4440.8	4447.9	4447.9	4426.8	4440.8	4420.0	4440.8	4412.9	4440.8	4433.9	4447.9
20°	4364.3	4378.2	4364.3	4364.3	4350.6	4357.4	4357.4	4357.4	4336.7	4329.6	4343.5
22.5°	4280.9	4280.9	4267.0	4280.9	4267.0	4260.2	4294.9	4239.4	4294.9	4246.2	4288.0
25°	4218.4	4183.7	4162.9	4155.8	4183.7	4155.8	4169.7	4149.0	4162.9	4149.0	4155.8
27.5°	4072.5	4051.7	4044.6	4051.7	4051.7	4044.6	4072.5	3996.0	4044.6	4037.8	4037.8
30°	3919.5	3919.5	3933.4	3919.5	3933.4	3912.7	3940.5	3878.0	3919.5	3912.7	3919.5
32.5°	3780.7	3787.5	3787.5	3801.5	3780.7	3787.5	3787.5	3766.8	3780.7	3787.5	3773.6
35°	3662.4	3627.7	3627.7	3627.7	3627.7	3627.7	3641.6	3620.9	3641.6	3627.7	3627.7
37.5°	3495.7	3461.0	3461.0	3453.9	3488.6	3467.9	3502.6	3474.7	3474.7	3488.6	3488.6
40°	3294.1	3308.0	3287.3	3314.9	3308.0	3280.2	3342.7	3301.2	3328.8	3294.1	3322.0
42.5°	3113.5	3120.3	3113.5	3106.4	3134.3	3127.4	3155.0	3127.4	3120.3	3120.3	3169.0
45°	2919.0	2919.0	2919.0	2939.7	2919.0	2925.8	2953.7	2939.7	2953.7	2946.6	2995.2
47.5°	2758.9	2724.2	2717.4	2758.9	2752.1	2758.9	2758.9	2766.0	2772.8	2758.9	2779.9
50°	2529.7	2515.7	2515.7	2522.8	2529.7	2543.6	2564.4	2578.3	2564.4	2585.4	2592.2
52.5°	2307.3	2293.3	2300.4	2328.0	2342.0	2335.1	2369.8	2376.7	2369.8	2383.8	2383.8
55°	2050.2	2036.2	2057.0	2092.0	2112.7	2133.5	2168.2	2140.6	2168.2	2175.3	2182.1
57.5°	1786.0	1779.1	1786.0	1820.7	1841.7	1890.3	1945.8	1945.8	1973.7	1952.9	1973.7
60°	1494.2	1494.2	1522.1	1542.8	1598.6	1633.3	1688.7	1716.6	1744.4	1772.1	1758.4
62.5°	1216.1	1223.2	1243.9	1292.6	1327.3	1376.2	1438.5	1466.3	1515.0	1542.8	1528.9
65°	966.1	966.1	980.0	1021.5	1056.2	1118.8	1174.5	1237.1	1265.0	1278.6	1285.7
67.5°	722.6	715.8	743.7	771.5	806.2	868.8	931.4	966.1	1014.7	1028.6	1021.5
70°	486.6	493.4	507.4	535.2	576.8	625.4	695.0	722.6	750.5	764.4	750.5
72.5°	305.7	305.7	312.8	340.4	368.3	403.0	451.6	479.5	514.2	521.3	507.4
75°	139.1	139.1	153.0	166.7	187.7	215.6	250.3	271.0	291.8	312.8	312.8
77.5°	27.9	34.7	41.8	41.8	55.5	76.5	97.3	118.0	139.1	139.1	139.1
80°	6.8	6.8	6.8	6.8	6.8	6.8	13.9	20.8	34.7	34.7	34.7
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°	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8	4711.8
2.5°	4711.8	4753.6	4711.8	4691.0	4718.9	4711.8	4691.0	4697.9
5°	4691.0	4705.0	4718.9	4663.2	4697.9	4705.0	4691.0	4677.1
7.5°	4670.3	4677.1	4670.3	4656.3	4656.3	4656.3	4670.3	4670.3
10°	4663.2	4642.4	4607.7	4586.7	4607.7	4607.7	4600.6	4656.3
12.5°	4573.0	4600.6	4579.8	4538.0	4579.8	4573.0	4573.0	4586.7
15°	4503.3	4503.3	4517.3	4461.8	4489.4	4482.6	4482.6	4496.5
17.5°	4433.9	4433.9	4426.8	4412.9	4406.1	4426.8	4406.1	4440.8
20°	4336.7	4350.6	4392.1	4322.7	4343.5	4322.7	4322.7	4280.9
22.5°	4218.4	4288.0	4253.1	4246.2	4239.4	4246.2	4260.2	4211.5
25°	4141.9	4141.9	4155.8	4114.3	4114.3	4128.2	4121.1	4107.2
27.5°	4037.8	4030.7	4023.9	4009.9	4044.6	4017.0	4017.0	4017.0
30°	3891.9	3912.7	3905.8	3870.9	3912.7	3898.7	3878.0	3836.2
32.5°	3766.8	3794.6	3752.8	3746.0	3738.9	3746.0	3752.8	3718.1
35°	3613.8	3620.9	3620.9	3593.0	3599.8	3593.0	3579.1	3585.9
37.5°	3474.7	3467.9	3433.2	3419.2	3426.1	3426.1	3433.2	3419.2
40°	3280.2	3301.2	3301.2	3252.6	3266.2	3252.6	3252.6	3245.5
42.5°	3120.3	3127.4	3106.4	3085.6	3085.6	3078.8	3064.9	3078.8
45°	2953.7	2946.6	2925.8	2905.0	2905.0	2898.0	2884.0	2911.9
47.5°	2766.0	2752.1	2745.2	2717.4	2717.4	2675.6	2682.7	2710.3
50°	2578.3	2564.4	2536.8	2522.8	2501.8	2481.0	2474.2	2474.2
52.5°	2355.9	2355.9	2328.0	2300.4	2293.3	2279.4	2265.5	2272.6
55°	2161.4	2161.4	2140.6	2092.0	2064.1	2029.4	2008.4	2001.5
57.5°	1939.0	1925.0	1883.2	1827.8	1799.9	1772.1	1751.3	1751.3
60°	1716.6	1681.9	1640.1	1591.5	1542.8	1494.2	1480.3	1473.4
62.5°	1473.4	1438.5	1362.2	1306.5	1271.8	1243.9	1216.1	1237.1
65°	1230.0	1181.4	1112.0	1056.2	1021.5	980.0	959.0	959.0
67.5°	972.9	924.3	854.9	799.1	764.4	736.6	709.0	709.0
70°	715.8	681.1	618.5	569.9	542.1	500.3	493.4	493.4
72.5°	486.6	444.8	396.2	361.5	333.6	305.7	291.8	285.0
75°	271.0	243.2	208.5	187.7	159.8	145.9	132.0	132.0
77.5°	111.2	90.4	69.4	55.5	41.8	34.7	27.9	34.7
80°	20.8	13.9	6.8	6.8	6.8	6.8	6.8	6.8
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)