

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 EX6C1009040 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 EX6C1009040 6LBCSSQMW
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

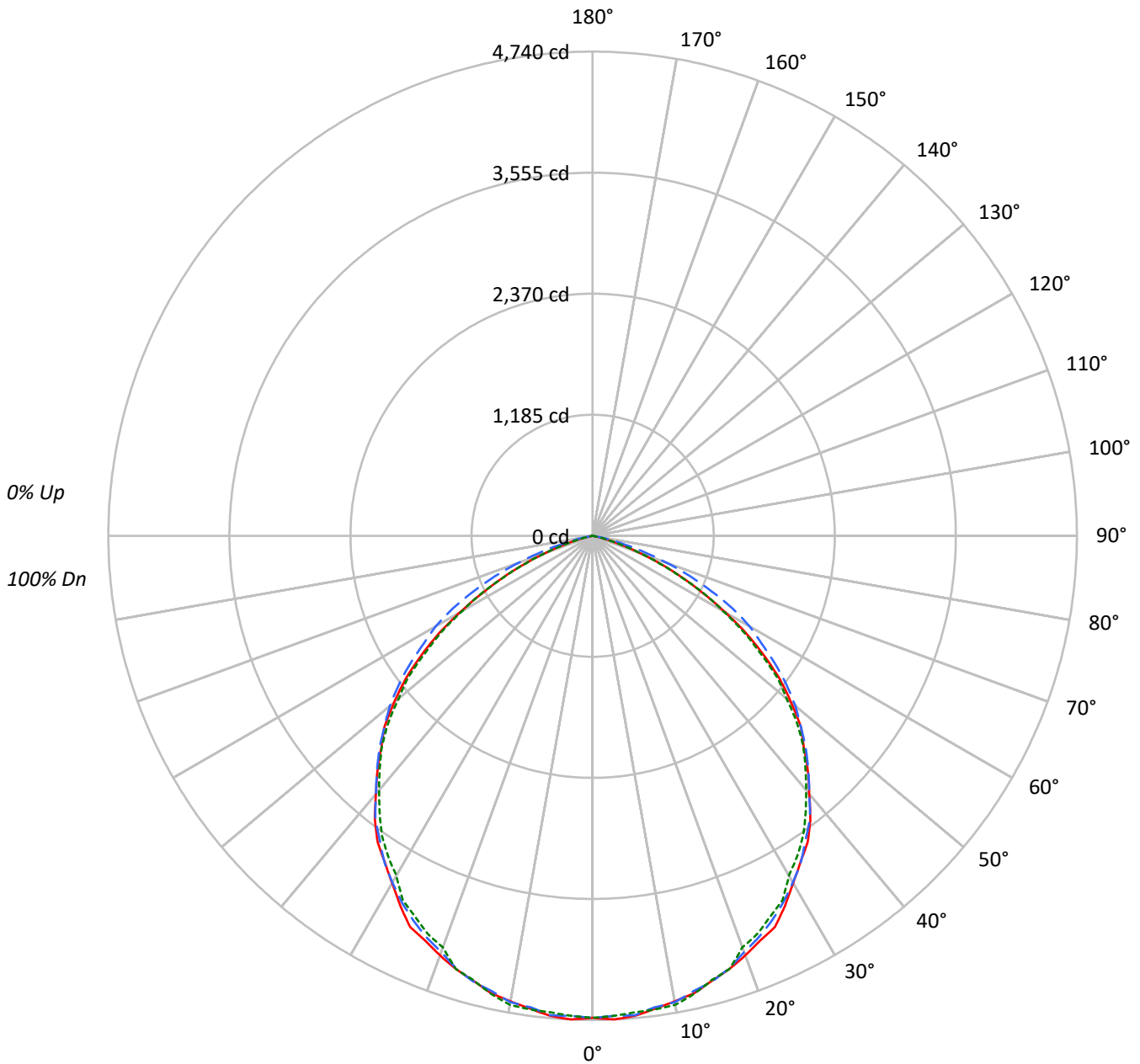
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11393.0 lumens
Efficiency: N/A
Efficacy: 99.6 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_{in}): 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°	203171	203171	203171
5°	203947	203653	202447
10°	202357	202659	203879
15°	201035	201352	200728
20°	200265	198671	196439
25°	200701	197400	195409
30°	195152	194814	191005
35°	192789	190960	188763
40°	185421	185421	182684
45°	177999	179686	177567
50°	169694	173438	165976
55°	154124	163537	150468
60°	128857	152822	127066
65°	98567	130455	97844
70°	61344	96379	62213
75°	23173	52119	21992
80°	1686	8629	1686
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.3	3.9
10°-20°	1272.7	11.2
20°-30°	1915.0	16.8
30°-40°	2265.5	19.9
40°-50°	2260.8	19.8
50°-60°	1874.7	16.5
60°-70°	1095.3	9.6
70°-80°	260.8	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°	3634.0	31.9
0°-40°	5899.4	51.8
0°-60°	10035.0	88.1
0°-90°	11393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4719	4719	4719	4719	4719	
5°	4719	4694	4712	4698	4684	447
15°	4510	4507	4517	4496	4503	1275
25°	4225	4176	4155	4141	4113	1931
35°	3668	3633	3633	3612	3591	2280
45°	2923	2927	2951	2920	2916	2261
55°	2053	2126	2179	2119	2004	1823
65°	968	1089	1280	1086	960	962
75°	139	202	313	198	132	189
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°	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8
2.5°	4739.9	4712.0	4732.8	4691.2	4718.8	4691.2	4698.0	4684.1	4712.0	4704.9	4698.0
5°	4718.8	4725.9	4712.0	4725.9	4704.9	4684.1	4704.9	4691.2	4649.3	4712.0	4698.0
7.5°	4670.1	4677.2	4663.3	4684.1	4670.1	4642.2	4698.0	4656.2	4649.3	4656.2	4684.1
10°	4628.5	4642.2	4635.4	4628.5	4635.4	4635.4	4621.4	4600.6	4621.4	4635.4	4628.5
12.5°	4586.7	4607.5	4593.5	4579.8	4565.9	4572.7	4586.7	4551.9	4551.9	4565.9	4607.5
15°	4510.1	4524.0	4530.9	4503.2	4503.2	4510.1	4538.0	4482.2	4510.1	4517.2	4524.0
17.5°	4447.4	4454.5	4454.5	4433.5	4447.4	4426.6	4447.4	4419.5	4447.4	4440.6	4454.5
20°	4370.8	4384.8	4370.8	4370.8	4357.1	4364.0	4364.0	4364.0	4343.2	4336.0	4350.0
22.5°	4287.3	4287.3	4273.4	4287.3	4273.4	4266.5	4301.3	4245.7	4301.3	4252.6	4294.4
25°	4224.7	4189.9	4169.1	4162.0	4189.9	4162.0	4176.0	4155.2	4169.1	4155.2	4162.0
27.5°	4078.6	4057.8	4050.7	4057.8	4057.8	4050.7	4078.6	4002.0	4050.7	4043.8	4043.8
30°	3925.3	3925.3	3939.3	3925.3	3939.3	3918.5	3946.4	3883.7	3925.3	3918.5	3925.3
32.5°	3786.3	3793.2	3793.2	3807.1	3786.3	3793.2	3793.2	3772.4	3786.3	3793.2	3779.2
35°	3667.9	3633.1	3633.1	3633.1	3633.1	3633.1	3647.1	3626.3	3647.1	3633.1	3633.1
37.5°	3501.0	3466.2	3466.2	3459.1	3493.8	3473.0	3507.8	3479.9	3479.9	3493.8	3493.8
40°	3299.0	3313.0	3292.2	3319.8	3313.0	3285.1	3347.7	3306.1	3333.8	3299.0	3326.9
42.5°	3118.2	3125.0	3118.2	3111.1	3139.0	3132.1	3159.8	3132.1	3125.0	3125.0	3173.7
45°	2923.3	2923.3	2923.3	2944.1	2923.3	2930.2	2958.1	2944.1	2958.1	2951.0	2999.7
47.5°	2763.0	2728.3	2721.4	2763.0	2756.2	2763.0	2763.0	2770.1	2777.0	2763.0	2784.1
50°	2533.4	2519.5	2519.5	2526.6	2533.4	2547.4	2568.2	2582.1	2568.2	2589.3	2596.1
52.5°	2310.7	2296.8	2303.9	2331.5	2345.5	2338.6	2373.4	2380.2	2373.4	2387.3	2387.3
55°	2053.2	2039.3	2060.1	2095.1	2115.9	2136.7	2171.4	2143.8	2171.4	2178.6	2185.4
57.5°	1788.7	1781.8	1788.7	1823.4	1844.5	1893.2	1948.7	1948.7	1976.6	1955.8	1976.6
60°	1496.4	1496.4	1524.3	1545.1	1600.9	1635.7	1691.2	1719.1	1747.1	1774.7	1761.0
62.5°	1217.9	1225.0	1245.8	1294.5	1329.2	1378.2	1440.6	1468.5	1517.2	1545.1	1531.2
65°	967.5	967.5	981.5	1023.1	1057.8	1120.5	1176.3	1238.9	1266.9	1280.5	1287.7
67.5°	723.7	716.9	744.8	772.7	807.4	870.1	932.8	967.5	1016.2	1030.2	1023.1
70°	487.3	494.2	508.1	536.0	577.6	626.3	696.1	723.7	751.6	765.6	751.6
72.5°	306.2	306.2	313.3	340.9	368.8	403.6	452.3	480.2	515.0	522.1	508.1
75°	139.3	139.3	153.2	166.9	188.0	215.9	250.6	271.4	292.2	313.3	313.3
77.5°	27.9	34.8	41.9	41.9	55.5	76.6	97.4	118.2	139.3	139.3	139.3
80°	6.8	6.8	6.8	6.8	6.8	6.8	14.0	20.8	34.8	34.8	34.8
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°	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8	4718.8
2.5°	4718.8	4760.7	4718.8	4698.0	4725.9	4718.8	4698.0	4704.9
5°	4698.0	4712.0	4725.9	4670.1	4704.9	4712.0	4698.0	4684.1
7.5°	4677.2	4684.1	4677.2	4663.3	4663.3	4663.3	4677.2	4677.2
10°	4670.1	4649.3	4614.6	4593.5	4614.6	4614.6	4607.5	4663.3
12.5°	4579.8	4607.5	4586.7	4544.8	4586.7	4579.8	4579.8	4593.5
15°	4510.1	4510.1	4524.0	4468.5	4496.1	4489.3	4489.3	4503.2
17.5°	4440.6	4440.6	4433.5	4419.5	4412.7	4433.5	4412.7	4447.4
20°	4343.2	4357.1	4398.7	4329.2	4350.0	4329.2	4329.2	4287.3
22.5°	4224.7	4294.4	4259.4	4252.6	4245.7	4252.6	4266.5	4217.8
25°	4148.1	4148.1	4162.0	4120.4	4120.4	4134.4	4127.3	4113.3
27.5°	4043.8	4036.7	4029.9	4015.9	4050.7	4023.0	4023.0	4023.0
30°	3897.7	3918.5	3911.7	3876.6	3918.5	3904.5	3883.7	3841.9
32.5°	3772.4	3800.3	3758.4	3751.6	3744.5	3751.6	3758.4	3723.7
35°	3619.2	3626.3	3626.3	3598.4	3605.2	3598.4	3584.4	3591.3
37.5°	3479.9	3473.0	3438.3	3424.3	3431.2	3431.2	3438.3	3424.3
40°	3285.1	3306.1	3306.1	3257.4	3271.1	3257.4	3257.4	3250.3
42.5°	3125.0	3132.1	3111.1	3090.3	3090.3	3083.4	3069.5	3083.4
45°	2958.1	2951.0	2930.2	2909.4	2909.4	2902.3	2888.3	2916.2
47.5°	2770.1	2756.2	2749.3	2721.4	2721.4	2679.6	2686.7	2714.3
50°	2582.1	2568.2	2540.5	2526.6	2505.5	2484.7	2477.9	2477.9
52.5°	2359.4	2359.4	2331.5	2303.9	2296.8	2282.8	2268.9	2276.0
55°	2164.6	2164.6	2143.8	2095.1	2067.2	2032.4	2011.4	2004.5
57.5°	1941.9	1927.9	1886.1	1830.5	1802.6	1774.7	1753.9	1753.9
60°	1719.1	1684.4	1642.5	1593.8	1545.1	1496.4	1482.5	1475.6
62.5°	1475.6	1440.6	1364.3	1308.4	1273.7	1245.8	1217.9	1238.9
65°	1231.8	1183.1	1113.6	1057.8	1023.1	981.5	960.4	960.4
67.5°	974.4	925.7	856.2	800.3	765.6	737.7	710.0	710.0
70°	716.9	682.1	619.5	570.8	542.9	501.0	494.2	494.2
72.5°	487.3	445.5	396.7	362.0	334.1	306.2	292.2	285.4
75°	271.4	243.5	208.8	188.0	160.1	146.1	132.2	132.2
77.5°	111.4	90.6	69.5	55.5	41.9	34.8	27.9	34.8
80°	20.8	14.0	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)