

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 EX6C1209027 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: LX6C120D010 EX6C1209027 6LBPSSQMW
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBPSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

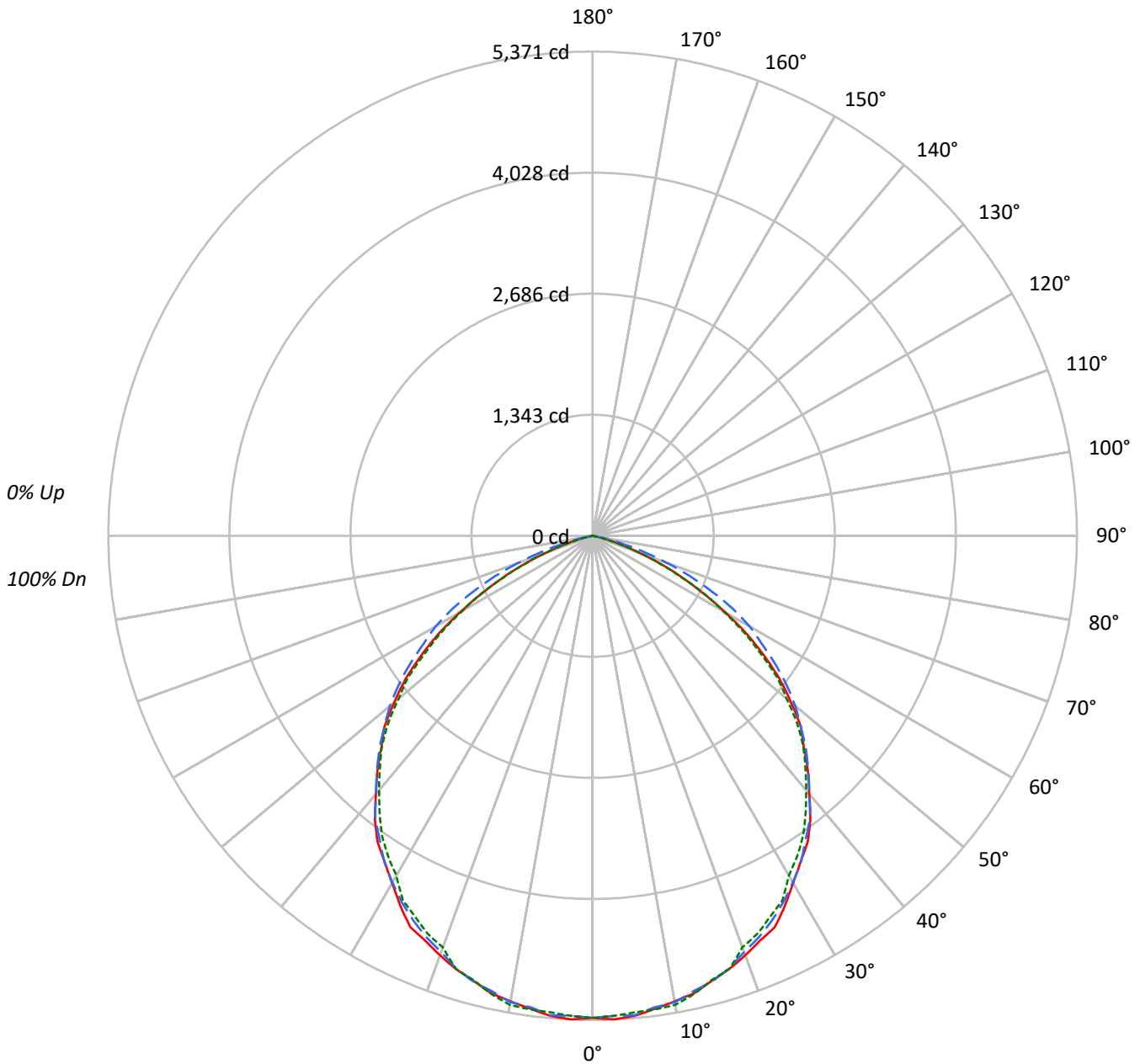
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12909.0 lumens
Efficiency: N/A
Efficacy: 90.7 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_{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			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°	230206	230206	230206
5°	231085	230752	229386
10°	229284	229625	231007
15°	227785	228141	227437
20°	226913	225108	222579
25°	227405	223666	221414
30°	221124	220736	216420
35°	218439	216374	213877
40°	210095	210095	206992
45°	201686	203598	201198
50°	192281	196514	188061
55°	174632	185291	170496
60°	146002	173153	143978
65°	111689	147815	110864
70°	69514	109206	70484
75°	26251	59056	24903
80°	1934	9769	1934
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.7	3.9
10°-20°	1442.0	11.2
20°-30°	2169.9	16.8
30°-40°	2566.9	19.9
40°-50°	2561.6	19.8
50°-60°	2124.2	16.5
60°-70°	1241.1	9.6
70°-80°	295.5	2.3
80°-90°	2.1	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°	4117.5	31.9
0°-40°	6684.4	51.8
0°-60°	11370.3	88.1
0°-90°	12909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5347	5347	5347	5347	5347	
5°	5347	5319	5339	5323	5307	507
15°	5110	5106	5118	5095	5102	1445
25°	4787	4732	4708	4692	4661	2188
35°	4156	4117	4117	4093	4069	2584
45°	3312	3316	3344	3308	3304	2562
55°	2326	2409	2468	2402	2271	2066
65°	1096	1234	1451	1230	1088	1090
75°	158	229	355	225	150	214
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°	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7
2.5°	5370.6	5339.0	5362.6	5315.4	5346.7	5315.4	5323.2	5307.4	5339.0	5330.9	5323.2
5°	5346.7	5354.8	5339.0	5354.8	5330.9	5307.4	5330.9	5315.4	5268.0	5339.0	5323.2
7.5°	5291.6	5299.6	5283.8	5307.4	5291.6	5259.9	5323.2	5275.8	5268.0	5275.8	5307.4
10°	5244.4	5259.9	5252.2	5244.4	5252.2	5252.2	5236.4	5212.8	5236.4	5252.2	5244.4
12.5°	5197.0	5220.6	5204.8	5189.2	5173.4	5181.2	5197.0	5157.6	5157.6	5173.4	5220.6
15°	5110.2	5126.0	5133.8	5102.4	5102.4	5110.2	5141.8	5078.6	5110.2	5118.2	5126.0
17.5°	5039.2	5047.3	5047.3	5023.4	5039.2	5015.6	5039.2	5007.6	5039.2	5031.4	5047.3
20°	4952.4	4968.2	4952.4	4952.4	4936.9	4944.6	4944.6	4944.6	4921.1	4913.0	4928.8
22.5°	4857.8	4857.8	4842.0	4857.8	4842.0	4834.3	4873.6	4810.7	4873.6	4818.5	4865.9
25°	4786.8	4747.5	4723.9	4715.8	4747.5	4715.8	4731.7	4708.1	4723.9	4708.1	4715.8
27.5°	4621.3	4597.7	4589.7	4597.7	4597.7	4589.7	4621.3	4534.5	4589.7	4581.9	4581.9
30°	4447.7	4447.7	4463.5	4447.7	4463.5	4439.9	4471.5	4400.5	4447.7	4439.9	4447.7
32.5°	4290.2	4297.9	4297.9	4313.7	4290.2	4297.9	4297.9	4274.4	4290.2	4297.9	4282.1
35°	4155.9	4116.6	4116.6	4116.6	4116.6	4116.6	4132.4	4108.8	4132.4	4116.6	4116.6
37.5°	3966.8	3927.4	3927.4	3919.4	3958.8	3935.2	3974.6	3942.9	3942.9	3958.8	3958.8
40°	3738.0	3753.8	3730.3	3761.6	3753.8	3722.2	3793.2	3746.1	3777.4	3738.0	3769.6
42.5°	3533.1	3540.8	3533.1	3525.0	3556.6	3548.9	3580.2	3548.9	3540.8	3540.8	3596.0
45°	3312.3	3312.3	3312.3	3335.9	3312.3	3320.1	3351.7	3335.9	3351.7	3343.7	3398.8
47.5°	3130.7	3091.3	3083.5	3130.7	3122.9	3130.7	3130.7	3138.7	3146.5	3130.7	3154.5
50°	2870.6	2854.7	2854.7	2862.8	2870.6	2886.4	2909.9	2925.7	2909.9	2933.8	2941.5
52.5°	2618.2	2602.4	2610.4	2641.8	2657.6	2649.8	2689.2	2696.9	2689.2	2705.0	2705.0
55°	2326.4	2310.6	2334.2	2373.9	2397.4	2421.0	2460.4	2429.1	2460.4	2468.4	2476.2
57.5°	2026.7	2018.9	2026.7	2066.0	2089.9	2145.1	2208.0	2208.0	2239.6	2216.1	2239.6
60°	1695.5	1695.5	1727.2	1750.7	1814.0	1853.3	1916.3	1947.9	1979.5	2010.8	1995.3
62.5°	1379.9	1388.0	1411.6	1466.7	1506.1	1561.6	1632.3	1663.9	1719.1	1750.7	1734.9
65°	1096.3	1096.3	1112.1	1159.2	1198.6	1269.6	1332.8	1403.8	1435.4	1450.9	1459.0
67.5°	820.0	812.3	843.9	875.5	914.9	985.9	1056.9	1096.3	1151.4	1167.3	1159.2
70°	552.2	559.9	575.7	607.3	654.5	709.7	788.7	820.0	851.6	867.5	851.6
72.5°	346.9	346.9	355.0	386.3	417.9	457.3	512.5	544.1	583.5	591.5	575.7
75°	157.8	157.8	173.6	189.1	213.0	244.6	284.0	307.5	331.1	355.0	355.0
77.5°	31.6	39.4	47.4	47.4	62.9	86.8	110.4	133.9	157.8	157.8	157.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	15.8	23.6	39.4	39.4	39.4
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°	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7	5346.7
2.5°	5346.7	5394.2	5346.7	5323.2	5354.8	5346.7	5323.2	5330.9
5°	5323.2	5339.0	5354.8	5291.6	5330.9	5339.0	5323.2	5307.4
7.5°	5299.6	5307.4	5299.6	5283.8	5283.8	5283.8	5299.6	5299.6
10°	5291.6	5268.0	5228.6	5204.8	5228.6	5228.6	5220.6	5283.8
12.5°	5189.2	5220.6	5197.0	5149.6	5197.0	5189.2	5189.2	5204.8
15°	5110.2	5110.2	5126.0	5063.1	5094.4	5086.6	5086.6	5102.4
17.5°	5031.4	5031.4	5023.4	5007.6	4999.8	5023.4	4999.8	5039.2
20°	4921.1	4936.9	4984.0	4905.3	4928.8	4905.3	4905.3	4857.8
22.5°	4786.8	4865.9	4826.2	4818.5	4810.7	4818.5	4834.3	4779.1
25°	4700.0	4700.0	4715.8	4668.7	4668.7	4684.5	4676.5	4660.7
27.5°	4581.9	4573.8	4566.1	4550.3	4589.7	4558.3	4558.3	4558.3
30°	4416.3	4439.9	4432.2	4392.5	4439.9	4424.1	4400.5	4353.1
32.5°	4274.4	4306.0	4258.5	4250.8	4242.7	4250.8	4258.5	4219.2
35°	4100.7	4108.8	4108.8	4077.2	4084.9	4077.2	4061.4	4069.1
37.5°	3942.9	3935.2	3895.8	3880.0	3887.8	3887.8	3895.8	3880.0
40°	3722.2	3746.1	3746.1	3690.9	3706.4	3690.9	3690.9	3682.8
42.5°	3540.8	3548.9	3525.0	3501.5	3501.5	3493.7	3477.9	3493.7
45°	3351.7	3343.7	3320.1	3296.5	3296.5	3288.5	3272.7	3304.3
47.5°	3138.7	3122.9	3115.2	3083.5	3083.5	3036.1	3044.2	3075.5
50°	2925.7	2909.9	2878.6	2862.8	2838.9	2815.4	2807.6	2807.6
52.5°	2673.4	2673.4	2641.8	2610.4	2602.4	2586.6	2570.8	2578.8
55°	2452.6	2452.6	2429.1	2373.9	2342.3	2302.9	2279.0	2271.3
57.5°	2200.3	2184.5	2137.0	2074.1	2042.5	2010.8	1987.3	1987.3
60°	1947.9	1908.5	1861.1	1805.9	1750.7	1695.5	1679.7	1672.0
62.5°	1672.0	1632.3	1545.8	1482.6	1443.2	1411.6	1379.9	1403.8
65°	1395.8	1340.6	1261.8	1198.6	1159.2	1112.1	1088.2	1088.2
67.5°	1104.0	1048.8	970.1	906.8	867.5	835.8	804.5	804.5
70°	812.3	772.9	701.9	646.7	615.1	567.7	559.9	559.9
72.5°	552.2	504.7	449.5	410.2	378.5	346.9	331.1	323.4
75°	307.5	275.9	236.6	213.0	181.4	165.6	149.7	149.7
77.5°	126.2	102.6	78.8	62.9	47.4	39.4	31.6	39.4
80°	23.6	15.8	7.8	7.8	7.8	7.8	7.8	7.8
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)