

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

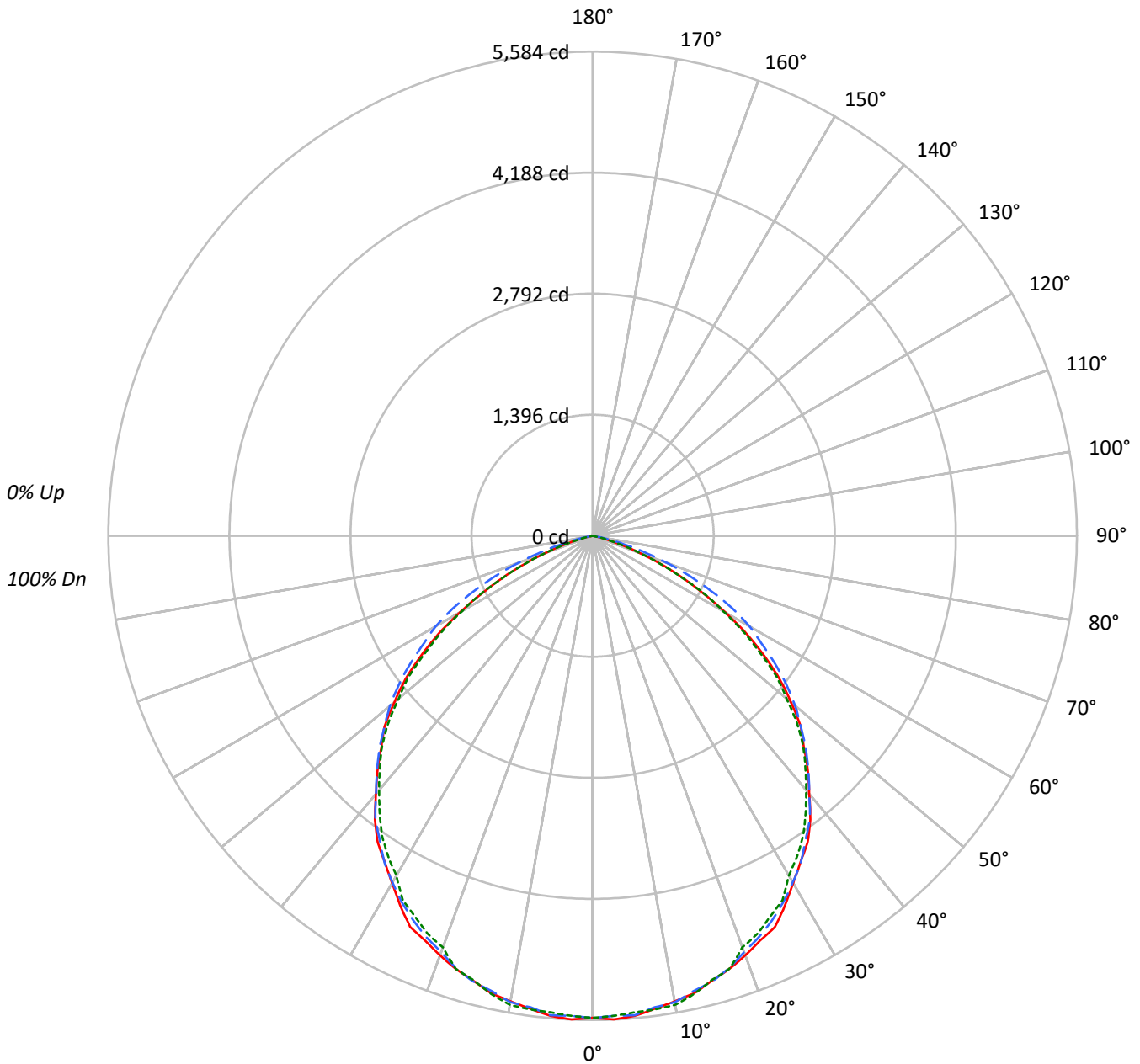
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13421.0 lumens
Efficiency: N/A
Efficacy: 94.3 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°	239338	239338	239338
5°	240252	239902	238484
10°	238378	238732	240171
15°	236820	237190	236459
20°	235912	234038	231408
25°	236426	232536	230194
30°	229894	229491	225006
35°	227107	224952	222360
40°	218430	218430	215204
45°	209687	211672	209175
50°	199903	204311	195523
55°	181560	192640	177252
60°	151797	180024	149687
65°	116111	153684	115265
70°	72271	113537	73278
75°	27299	61401	25901
80°	2008	10141	2008
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.7	3.9
10°-20°	1499.2	11.2
20°-30°	2255.9	16.8
30°-40°	2668.7	19.9
40°-50°	2663.2	19.8
50°-60°	2208.4	16.5
60°-70°	1290.3	9.6
70°-80°	307.3	2.3
80°-90°	2.2	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°	4280.8	31.9
0°-40°	6949.6	51.8
0°-60°	11821.3	88.1
0°-90°	13421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5559	5559	5559	5559	5559	
5°	5559	5530	5551	5534	5518	527
15°	5313	5309	5321	5297	5305	1502
25°	4977	4919	4895	4878	4846	2275
35°	4321	4280	4280	4255	4230	2686
45°	3444	3448	3476	3440	3435	2664
55°	2419	2505	2566	2497	2361	2147
65°	1140	1283	1508	1279	1131	1133
75°	164	238	369	234	156	222
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°	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8
2.5°	5583.6	5550.7	5575.2	5526.2	5558.8	5526.2	5534.3	5517.9	5550.7	5542.4	5534.3
5°	5558.8	5567.2	5550.7	5567.2	5542.4	5517.9	5542.4	5526.2	5476.9	5550.7	5534.3
7.5°	5501.4	5509.8	5493.4	5517.9	5501.4	5468.6	5534.3	5485.0	5476.9	5485.0	5517.9
10°	5452.4	5468.6	5460.5	5452.4	5460.5	5460.5	5444.1	5419.6	5444.1	5460.5	5452.4
12.5°	5403.1	5427.6	5411.2	5395.1	5378.6	5386.7	5403.1	5362.2	5362.2	5378.6	5427.6
15°	5312.9	5329.3	5337.4	5304.8	5304.8	5312.9	5345.8	5280.0	5312.9	5321.2	5329.3
17.5°	5239.1	5247.4	5247.4	5222.6	5239.1	5214.6	5239.1	5206.2	5239.1	5231.0	5247.4
20°	5148.8	5165.3	5148.8	5148.8	5132.7	5140.8	5140.8	5140.8	5116.3	5107.9	5124.3
22.5°	5050.5	5050.5	5034.1	5050.5	5034.1	5026.0	5066.9	5001.5	5066.9	5009.6	5058.9
25°	4976.7	4935.8	4911.3	4902.9	4935.8	4902.9	4919.3	4894.8	4911.3	4894.8	4902.9
27.5°	4804.6	4780.1	4771.7	4780.1	4780.1	4771.7	4804.6	4714.3	4771.7	4763.6	4763.6
30°	4624.1	4624.1	4640.5	4624.1	4640.5	4616.0	4648.9	4575.1	4624.1	4616.0	4624.1
32.5°	4460.3	4468.4	4468.4	4484.8	4460.3	4468.4	4468.4	4443.9	4460.3	4468.4	4451.9
35°	4320.8	4279.8	4279.8	4279.8	4279.8	4279.8	4296.3	4271.8	4296.3	4279.8	4279.8
37.5°	4124.1	4083.2	4083.2	4074.8	4115.8	4091.3	4132.2	4099.3	4099.3	4115.8	4115.8
40°	3886.3	3902.7	3878.2	3910.8	3902.7	3869.8	3943.6	3894.6	3927.2	3886.3	3919.1
42.5°	3673.2	3681.3	3673.2	3664.8	3697.7	3689.6	3722.2	3689.6	3681.3	3681.3	3738.6
45°	3443.7	3443.7	3443.7	3468.2	3443.7	3451.8	3484.6	3468.2	3484.6	3476.3	3533.6
47.5°	3254.8	3213.9	3205.8	3254.8	3246.8	3254.8	3254.8	3263.2	3271.3	3254.8	3279.6
50°	2984.4	2968.0	2968.0	2976.3	2984.4	3000.8	3025.3	3041.8	3025.3	3050.2	3058.2
52.5°	2722.0	2705.6	2714.0	2746.5	2763.0	2754.9	2795.8	2803.9	2795.8	2812.3	2812.3
55°	2418.7	2402.3	2426.8	2468.0	2492.5	2517.0	2558.0	2525.4	2558.0	2566.3	2574.4
57.5°	2107.0	2099.0	2107.0	2148.0	2172.8	2230.2	2295.6	2295.6	2328.5	2304.0	2328.5
60°	1762.8	1762.8	1795.7	1820.2	1885.9	1926.9	1992.3	2025.2	2058.0	2090.6	2074.5
62.5°	1434.7	1443.0	1467.5	1524.9	1565.9	1623.5	1697.0	1729.9	1787.3	1820.2	1803.7
65°	1139.7	1139.7	1156.2	1205.2	1246.1	1319.9	1385.7	1459.5	1492.4	1508.5	1516.9
67.5°	852.6	844.5	877.4	910.2	951.2	1025.0	1098.8	1139.7	1197.1	1213.5	1205.2
70°	574.1	582.1	598.6	631.4	680.4	737.8	820.0	852.6	885.4	901.9	885.4
72.5°	360.7	360.7	369.1	401.6	434.5	475.4	532.8	565.7	606.6	615.0	598.6
75°	164.1	164.1	180.5	196.6	221.4	254.3	295.2	319.7	344.2	369.1	369.1
77.5°	32.9	40.9	49.3	49.3	65.4	90.2	114.7	139.2	164.1	164.1	164.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	16.4	24.5	40.9	40.9	40.9
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°	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8	5558.8
2.5°	5558.8	5608.1	5558.8	5534.3	5567.2	5558.8	5534.3	5542.4
5°	5534.3	5550.7	5567.2	5501.4	5542.4	5550.7	5534.3	5517.9
7.5°	5509.8	5517.9	5509.8	5493.4	5493.4	5493.4	5509.8	5509.8
10°	5501.4	5476.9	5436.0	5411.2	5436.0	5436.0	5427.6	5493.4
12.5°	5395.1	5427.6	5403.1	5353.8	5403.1	5395.1	5395.1	5411.2
15°	5312.9	5312.9	5329.3	5263.9	5296.4	5288.4	5288.4	5304.8
17.5°	5231.0	5231.0	5222.6	5206.2	5198.1	5222.6	5198.1	5239.1
20°	5116.3	5132.7	5181.7	5099.8	5124.3	5099.8	5099.8	5050.5
22.5°	4976.7	5058.9	5017.6	5009.6	5001.5	5009.6	5026.0	4968.6
25°	4886.4	4886.4	4902.9	4853.9	4853.9	4870.3	4861.9	4845.5
27.5°	4763.6	4755.3	4747.2	4730.8	4771.7	4739.1	4739.1	4739.1
30°	4591.5	4616.0	4607.9	4566.7	4616.0	4599.6	4575.1	4525.8
32.5°	4443.9	4476.8	4427.4	4419.4	4411.0	4419.4	4427.4	4386.5
35°	4263.4	4271.8	4271.8	4238.9	4247.0	4238.9	4222.5	4230.5
37.5°	4099.3	4091.3	4050.3	4033.9	4042.0	4042.0	4050.3	4033.9
40°	3869.8	3894.6	3894.6	3837.3	3853.4	3837.3	3837.3	3828.9
42.5°	3681.3	3689.6	3664.8	3640.3	3640.3	3632.3	3615.8	3632.3
45°	3484.6	3476.3	3451.8	3427.3	3427.3	3418.9	3402.5	3435.3
47.5°	3263.2	3246.8	3238.7	3205.8	3205.8	3156.5	3164.9	3197.5
50°	3041.8	3025.3	2992.8	2976.3	2951.5	2927.0	2919.0	2919.0
52.5°	2779.4	2779.4	2746.5	2714.0	2705.6	2689.2	2672.7	2681.1
55°	2549.9	2549.9	2525.4	2468.0	2435.2	2394.2	2369.4	2361.3
57.5°	2287.5	2271.1	2221.8	2156.3	2123.5	2090.6	2066.1	2066.1
60°	2025.2	1984.2	1934.9	1877.5	1820.2	1762.8	1746.4	1738.3
62.5°	1738.3	1697.0	1607.1	1541.4	1500.4	1467.5	1434.7	1459.5
65°	1451.1	1393.7	1311.9	1246.1	1205.2	1156.2	1131.4	1131.4
67.5°	1147.8	1090.4	1008.6	942.8	901.9	869.0	836.4	836.4
70°	844.5	803.6	729.7	672.4	639.5	590.2	582.1	582.1
72.5°	574.1	524.7	467.4	426.4	393.6	360.7	344.2	336.2
75°	319.7	286.9	245.9	221.4	188.6	172.1	155.7	155.7
77.5°	131.2	106.7	81.9	65.4	49.3	40.9	32.9	40.9
80°	24.5	16.4	8.1	8.1	8.1	8.1	8.1	8.1
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)