

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 EX6C1209050 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 EX6C1209050 6LBCSSQMW
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

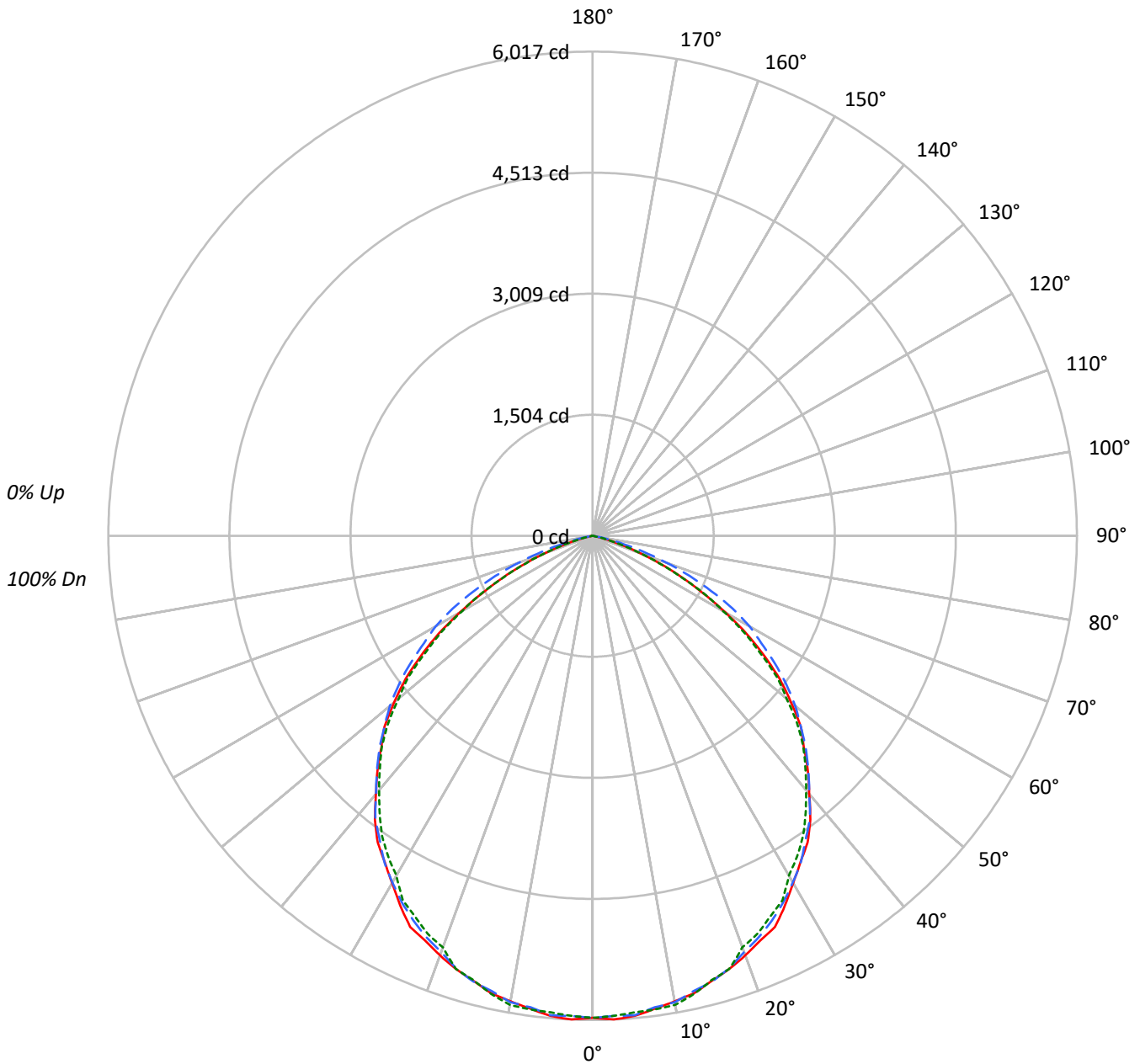
Lumens per Lamp: N/A
Luminaire Lumens: 14462.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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																			
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°	257903	257903	257903
5°	258889	258513	256983
10°	256872	257248	258800
15°	255189	255590	254801
20°	254212	252192	249355
25°	254764	250574	248047
30°	247722	247289	242457
35°	244720	242402	239611
40°	235370	235370	231897
45°	225950	228087	225402
50°	215410	220152	210687
55°	195643	207585	191004
60°	163568	193992	161295
65°	125117	165603	124200
70°	77873	122336	78968
75°	29411	66159	27914
80°	2157	10934	2157
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.5	3.9
10°-20°	1615.5	11.2
20°-30°	2430.9	16.8
30°-40°	2875.7	19.9
40°-50°	2869.8	19.8
50°-60°	2379.8	16.5
60°-70°	1390.4	9.6
70°-80°	331.1	2.3
80°-90°	2.4	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°	4612.9	31.9
0°-40°	7488.6	51.8
0°-60°	12738.2	88.1
0°-90°	14462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14462.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5990	5990	5990	5990	5990	
5°	5990	5959	5981	5964	5946	567
15°	5725	5721	5734	5707	5716	1618
25°	5363	5301	5274	5257	5221	2451
35°	4656	4612	4612	4585	4559	2895
45°	3711	3715	3746	3706	3702	2871
55°	2606	2699	2765	2690	2544	2314
65°	1228	1383	1626	1378	1219	1221
75°	177	256	398	252	168	239
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°	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0
2.5°	6016.7	5981.3	6007.7	5954.9	5990.0	5954.9	5963.6	5945.9	5981.3	5972.3	5963.6
5°	5990.0	5999.0	5981.3	5999.0	5972.3	5945.9	5972.3	5954.9	5901.8	5981.3	5963.6
7.5°	5928.2	5937.2	5919.5	5945.9	5928.2	5892.7	5963.6	5910.4	5901.8	5910.4	5945.9
10°	5875.4	5892.7	5884.0	5875.4	5884.0	5884.0	5866.3	5839.9	5866.3	5884.0	5875.4
12.5°	5822.2	5848.6	5830.9	5813.5	5795.8	5804.5	5822.2	5778.1	5778.1	5795.8	5848.6
15°	5725.0	5742.7	5751.4	5716.3	5716.3	5725.0	5760.4	5689.5	5725.0	5734.0	5742.7
17.5°	5645.4	5654.5	5654.5	5627.7	5645.4	5619.0	5645.4	5610.0	5645.4	5636.7	5654.5
20°	5548.2	5565.9	5548.2	5548.2	5530.8	5539.5	5539.5	5539.5	5513.1	5504.1	5521.8
22.5°	5442.2	5442.2	5424.5	5442.2	5424.5	5415.8	5460.0	5389.4	5460.0	5398.1	5451.3
25°	5362.7	5318.6	5292.2	5283.2	5318.6	5283.2	5300.9	5274.5	5292.2	5274.5	5283.2
27.5°	5177.2	5150.8	5141.8	5150.8	5150.8	5141.8	5177.2	5080.0	5141.8	5133.1	5133.1
30°	4982.7	4982.7	5000.5	4982.7	5000.5	4974.0	5009.5	4929.9	4982.7	4974.0	4982.7
32.5°	4806.3	4815.0	4815.0	4832.7	4806.3	4815.0	4815.0	4788.6	4806.3	4815.0	4797.3
35°	4655.9	4611.8	4611.8	4611.8	4611.8	4611.8	4629.5	4603.1	4629.5	4611.8	4611.8
37.5°	4444.0	4399.9	4399.9	4390.9	4435.0	4408.6	4452.7	4417.3	4417.3	4435.0	4435.0
40°	4187.7	4205.4	4179.0	4214.1	4205.4	4170.0	4249.5	4196.7	4231.8	4187.7	4223.1
42.5°	3958.1	3966.8	3958.1	3949.1	3984.5	3975.8	4010.9	3975.8	3966.8	3966.8	4028.6
45°	3710.8	3710.8	3710.8	3737.2	3710.8	3719.5	3754.9	3737.2	3754.9	3745.9	3807.7
47.5°	3507.3	3463.2	3454.5	3507.3	3498.6	3507.3	3507.3	3516.3	3525.0	3507.3	3534.0
50°	3215.9	3198.2	3198.2	3207.2	3215.9	3233.6	3260.0	3277.7	3260.0	3286.7	3295.4
52.5°	2933.2	2915.5	2924.5	2959.6	2977.3	2968.6	3012.7	3021.4	3012.7	3030.4	3030.4
55°	2606.3	2588.6	2615.0	2659.5	2685.9	2712.3	2756.4	2721.3	2756.4	2765.4	2774.1
57.5°	2270.5	2261.8	2270.5	2314.6	2341.3	2403.1	2473.7	2473.7	2509.1	2482.7	2509.1
60°	1899.5	1899.5	1934.9	1961.3	2032.2	2076.3	2146.8	2182.2	2217.7	2252.8	2235.4
62.5°	1546.0	1555.0	1581.4	1643.2	1687.3	1749.5	1828.7	1864.1	1925.9	1961.3	1943.6
65°	1228.1	1228.1	1245.9	1298.7	1342.8	1422.3	1493.2	1572.7	1608.1	1625.5	1634.5
67.5°	918.7	910.0	945.4	980.8	1025.0	1104.5	1184.0	1228.1	1290.0	1307.7	1298.7
70°	618.6	627.3	645.0	680.4	733.2	795.0	883.6	918.7	954.1	971.8	954.1
72.5°	388.7	388.7	397.7	432.8	468.2	512.3	574.1	609.6	653.7	662.7	645.0
75°	176.8	176.8	194.5	211.9	238.6	274.0	318.1	344.5	370.9	397.7	397.7
77.5°	35.4	44.1	53.1	53.1	70.5	97.2	123.6	150.1	176.8	176.8	176.8
80°	8.7	8.7	8.7	8.7	8.7	8.7	17.7	26.4	44.1	44.1	44.1
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°	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0	5990.0
2.5°	5990.0	6043.1	5990.0	5963.6	5999.0	5990.0	5963.6	5972.3
5°	5963.6	5981.3	5999.0	5928.2	5972.3	5981.3	5963.6	5945.9
7.5°	5937.2	5945.9	5937.2	5919.5	5919.5	5919.5	5937.2	5937.2
10°	5928.2	5901.8	5857.6	5830.9	5857.6	5857.6	5848.6	5919.5
12.5°	5813.5	5848.6	5822.2	5769.1	5822.2	5813.5	5813.5	5830.9
15°	5725.0	5725.0	5742.7	5672.2	5707.3	5698.6	5698.6	5716.3
17.5°	5636.7	5636.7	5627.7	5610.0	5601.3	5627.7	5601.3	5645.4
20°	5513.1	5530.8	5583.6	5495.4	5521.8	5495.4	5495.4	5442.2
22.5°	5362.7	5451.3	5406.8	5398.1	5389.4	5398.1	5415.8	5354.0
25°	5265.5	5265.5	5283.2	5230.4	5230.4	5248.1	5239.1	5221.3
27.5°	5133.1	5124.1	5115.4	5097.7	5141.8	5106.7	5106.7	5106.7
30°	4947.6	4974.0	4965.4	4920.9	4974.0	4956.3	4929.9	4876.8
32.5°	4788.6	4824.0	4770.9	4762.2	4753.2	4762.2	4770.9	4726.8
35°	4594.1	4603.1	4603.1	4567.7	4576.4	4567.7	4550.0	4558.7
37.5°	4417.3	4408.6	4364.5	4346.8	4355.5	4355.5	4364.5	4346.8
40°	4170.0	4196.7	4196.7	4134.9	4152.3	4134.9	4134.9	4125.9
42.5°	3966.8	3975.8	3949.1	3922.7	3922.7	3914.0	3896.3	3914.0
45°	3754.9	3745.9	3719.5	3693.1	3693.1	3684.1	3666.4	3701.8
47.5°	3516.3	3498.6	3489.9	3454.5	3454.5	3401.4	3410.4	3445.5
50°	3277.7	3260.0	3224.9	3207.2	3180.5	3154.1	3145.4	3145.4
52.5°	2995.0	2995.0	2959.6	2924.5	2915.5	2897.7	2880.0	2889.1
55°	2747.7	2747.7	2721.3	2659.5	2624.0	2579.9	2553.2	2544.5
57.5°	2465.0	2447.3	2394.1	2323.6	2288.2	2252.8	2226.4	2226.4
60°	2182.2	2138.1	2085.0	2023.2	1961.3	1899.5	1881.8	1873.1
62.5°	1873.1	1828.7	1731.8	1660.9	1616.8	1581.4	1546.0	1572.7
65°	1563.7	1501.8	1413.6	1342.8	1298.7	1245.9	1219.1	1219.1
67.5°	1236.8	1175.0	1086.8	1015.9	971.8	936.4	901.3	901.3
70°	910.0	865.9	786.3	724.5	689.1	636.0	627.3	627.3
72.5°	618.6	565.4	503.6	459.5	424.1	388.7	370.9	362.3
75°	344.5	309.1	265.0	238.6	203.2	185.5	167.8	167.8
77.5°	141.4	115.0	88.2	70.5	53.1	44.1	35.4	44.1
80°	26.4	17.7	8.7	8.7	8.7	8.7	8.7	8.7
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)