

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 EX6C1209040 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 EX6C1209040 6LBPSSQMW
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBPSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

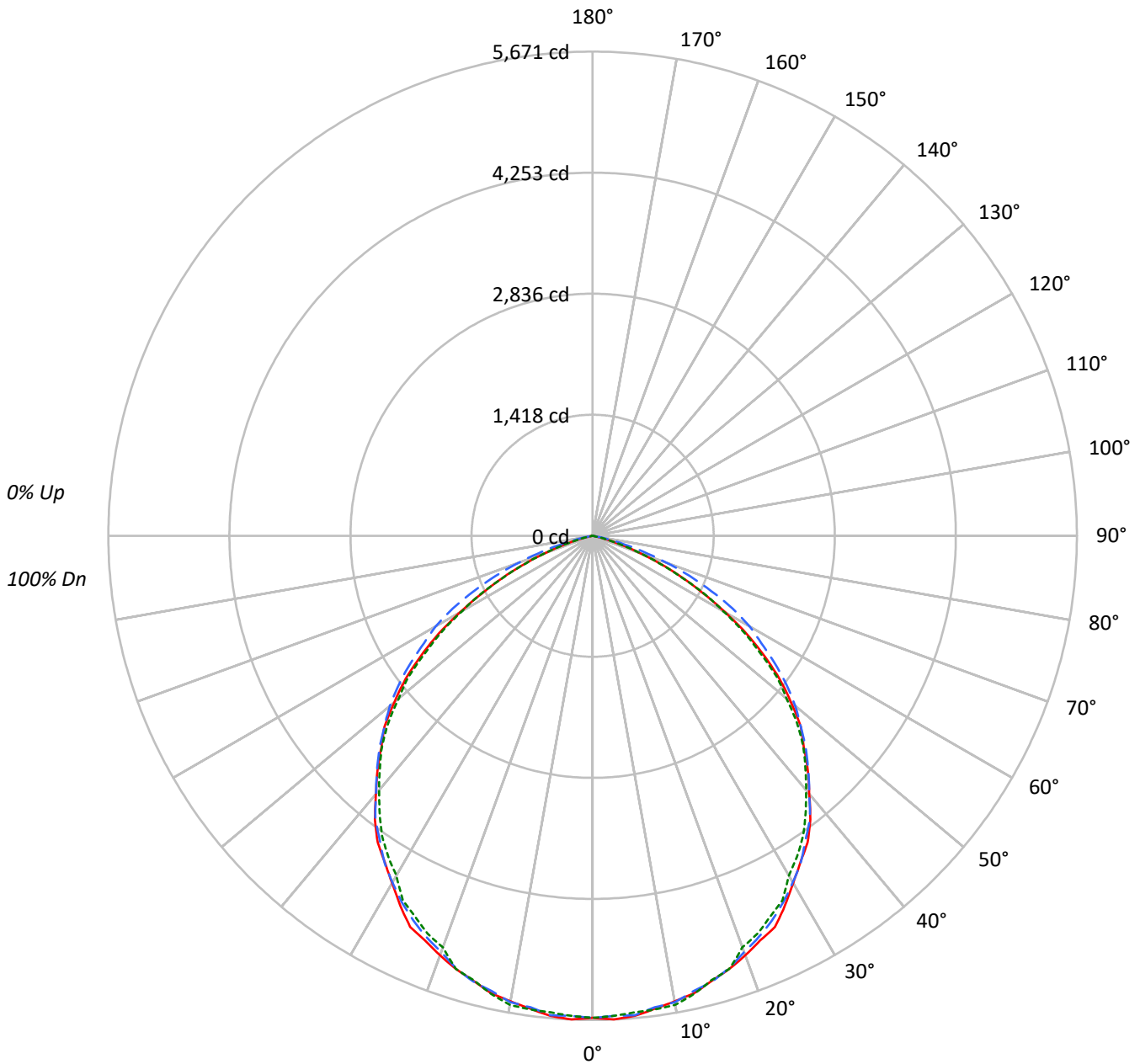
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13630.0 lumens
Efficiency: N/A
Efficacy: 95.8 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°	243066	243066	243066
5°	243995	243640	242197
10°	242090	242449	243909
15°	240506	240885	240141
20°	239587	237681	235014
25°	240108	236156	233780
30°	233473	233065	228506
35°	230639	228457	225824
40°	221831	221831	218554
45°	212950	214966	212433
50°	203018	207486	198564
55°	184390	195643	180014
60°	154156	182832	152021
65°	117924	156078	117058
70°	73392	115299	74424
75°	27715	62350	26301
80°	2033	10315	2033
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.9	3.9
10°-20°	1522.5	11.2
20°-30°	2291.0	16.8
30°-40°	2710.3	19.9
40°-50°	2704.7	19.8
50°-60°	2242.8	16.5
60°-70°	1310.4	9.6
70°-80°	312.0	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°	4347.5	31.9
0°-40°	7057.8	51.8
0°-60°	12005.3	88.1
0°-90°	13630.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13630.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5645	5645	5645	5645	5645	
5°	5645	5616	5637	5620	5604	535
15°	5396	5392	5404	5379	5387	1525
25°	5054	4996	4971	4954	4921	2310
35°	4388	4346	4346	4322	4296	2728
45°	3497	3501	3530	3493	3489	2705
55°	2456	2544	2606	2536	2398	2181
65°	1158	1303	1532	1299	1149	1151
75°	167	242	375	237	158	226
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4
2.5°	5670.6	5637.2	5662.1	5612.3	5645.4	5612.3	5620.5	5603.8	5637.2	5628.7	5620.5
5°	5645.4	5653.9	5637.2	5653.9	5628.7	5603.8	5628.7	5612.3	5562.2	5637.2	5620.5
7.5°	5587.1	5595.6	5578.9	5603.8	5587.1	5553.7	5620.5	5570.4	5562.2	5570.4	5603.8
10°	5537.3	5553.7	5545.5	5537.3	5545.5	5545.5	5528.8	5504.0	5528.8	5545.5	5537.3
12.5°	5487.3	5512.1	5495.5	5479.1	5462.4	5470.6	5487.3	5445.7	5445.7	5462.4	5512.1
15°	5395.6	5412.3	5420.5	5387.4	5387.4	5395.6	5429.0	5362.2	5395.6	5404.1	5412.3
17.5°	5320.7	5329.2	5329.2	5304.0	5320.7	5295.8	5320.7	5287.3	5320.7	5312.5	5329.2
20°	5229.0	5245.7	5229.0	5229.0	5212.6	5220.8	5220.8	5220.8	5195.9	5187.4	5204.1
22.5°	5129.2	5129.2	5112.5	5129.2	5112.5	5104.3	5145.8	5079.4	5145.8	5087.6	5137.7
25°	5054.2	5012.6	4987.7	4979.2	5012.6	4979.2	4995.9	4971.0	4987.7	4971.0	4979.2
27.5°	4879.4	4854.5	4846.0	4854.5	4854.5	4846.0	4879.4	4787.7	4846.0	4837.8	4837.8
30°	4696.1	4696.1	4712.8	4696.1	4712.8	4687.9	4721.3	4646.3	4696.1	4687.9	4696.1
32.5°	4529.8	4538.0	4538.0	4554.7	4529.8	4538.0	4538.0	4513.1	4529.8	4538.0	4521.3
35°	4388.0	4346.5	4346.5	4346.5	4346.5	4346.5	4363.2	4338.3	4363.2	4346.5	4346.5
37.5°	4188.4	4146.8	4146.8	4138.3	4179.9	4155.0	4196.6	4163.2	4163.2	4179.9	4179.9
40°	3946.8	3963.5	3938.6	3971.7	3963.5	3930.1	4005.1	3955.3	3988.4	3946.8	3980.2
42.5°	3730.4	3738.6	3730.4	3721.9	3755.3	3747.1	3780.2	3747.1	3738.6	3738.6	3796.9
45°	3497.3	3497.3	3497.3	3522.2	3497.3	3505.5	3538.9	3522.2	3538.9	3530.4	3588.7
47.5°	3305.5	3263.9	3255.8	3305.5	3297.3	3305.5	3305.5	3314.0	3322.2	3305.5	3330.7
50°	3030.9	3014.2	3014.2	3022.7	3030.9	3047.6	3072.5	3089.1	3072.5	3097.6	3105.8
52.5°	2764.4	2747.7	2756.2	2789.3	2806.0	2797.8	2839.4	2847.6	2839.4	2856.1	2856.1
55°	2456.4	2439.7	2464.6	2506.5	2531.3	2556.2	2597.8	2564.7	2597.8	2606.3	2614.5
57.5°	2139.9	2131.7	2139.9	2181.4	2206.6	2264.9	2331.3	2331.3	2364.7	2339.9	2364.7
60°	1790.2	1790.2	1823.6	1848.5	1915.3	1956.9	2023.3	2056.7	2090.1	2123.2	2106.8
62.5°	1457.0	1465.5	1490.4	1548.7	1590.2	1648.8	1723.5	1756.9	1815.1	1848.5	1831.8
65°	1157.5	1157.5	1174.2	1223.9	1265.5	1340.5	1407.2	1482.2	1515.6	1532.0	1540.5
67.5°	865.8	857.6	891.0	924.4	966.0	1040.9	1115.9	1157.5	1215.8	1232.4	1223.9
70°	583.0	591.2	607.9	641.3	691.0	749.3	832.8	865.8	899.2	915.9	899.2
72.5°	366.3	366.3	374.8	407.9	441.3	482.8	541.1	574.5	616.1	624.6	607.9
75°	166.6	166.6	183.3	199.7	224.9	258.3	299.8	324.7	349.6	374.8	374.8
77.5°	33.4	41.6	50.1	50.1	66.5	91.7	116.5	141.4	166.6	166.6	166.6
80°	8.2	8.2	8.2	8.2	8.2	8.2	16.7	24.9	41.6	41.6	41.6
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°	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4	5645.4
2.5°	5645.4	5695.5	5645.4	5620.5	5653.9	5645.4	5620.5	5628.7
5°	5620.5	5637.2	5653.9	5587.1	5628.7	5637.2	5620.5	5603.8
7.5°	5595.6	5603.8	5595.6	5578.9	5578.9	5578.9	5595.6	5595.6
10°	5587.1	5562.2	5520.7	5495.5	5520.7	5520.7	5512.1	5578.9
12.5°	5479.1	5512.1	5487.3	5437.2	5487.3	5479.1	5479.1	5495.5
15°	5395.6	5395.6	5412.3	5345.8	5378.9	5370.7	5370.7	5387.4
17.5°	5312.5	5312.5	5304.0	5287.3	5279.1	5304.0	5279.1	5320.7
20°	5195.9	5212.6	5262.4	5179.2	5204.1	5179.2	5179.2	5129.2
22.5°	5054.2	5137.7	5095.8	5087.6	5079.4	5087.6	5104.3	5046.0
25°	4962.5	4962.5	4979.2	4929.5	4929.5	4946.2	4937.7	4921.0
27.5°	4837.8	4829.3	4821.1	4804.4	4846.0	4812.9	4812.9	4812.9
30°	4663.0	4687.9	4679.7	4637.8	4687.9	4671.2	4646.3	4596.2
32.5°	4513.1	4546.5	4496.4	4488.2	4479.7	4488.2	4496.4	4454.8
35°	4329.8	4338.3	4338.3	4304.9	4313.1	4304.9	4288.2	4296.4
37.5°	4163.2	4155.0	4113.4	4096.7	4104.9	4104.9	4113.4	4096.7
40°	3930.1	3955.3	3955.3	3897.0	3913.4	3897.0	3897.0	3888.5
42.5°	3738.6	3747.1	3721.9	3697.0	3697.0	3688.8	3672.1	3688.8
45°	3538.9	3530.4	3505.5	3480.6	3480.6	3472.1	3455.4	3488.8
47.5°	3314.0	3297.3	3289.1	3255.8	3255.8	3205.7	3214.2	3247.3
50°	3089.1	3072.5	3039.4	3022.7	2997.5	2972.6	2964.4	2964.4
52.5°	2822.7	2822.7	2789.3	2756.2	2747.7	2731.0	2714.3	2722.8
55°	2589.6	2589.6	2564.7	2506.5	2473.1	2431.5	2406.3	2398.1
57.5°	2323.2	2306.5	2256.4	2189.9	2156.5	2123.2	2098.3	2098.3
60°	2056.7	2015.1	1965.0	1906.8	1848.5	1790.2	1773.6	1765.4
62.5°	1765.4	1723.5	1632.1	1565.4	1523.8	1490.4	1457.0	1482.2
65°	1473.7	1415.4	1332.3	1265.5	1223.9	1174.2	1149.0	1149.0
67.5°	1165.7	1107.4	1024.3	957.5	915.9	882.5	849.5	849.5
70°	857.6	816.1	741.1	682.8	649.5	599.4	591.2	591.2
72.5°	583.0	532.9	474.6	433.1	399.7	366.3	349.6	341.4
75°	324.7	291.3	249.8	224.9	191.5	174.8	158.1	158.1
77.5°	133.2	108.3	83.1	66.5	50.1	41.6	33.4	41.6
80°	24.9	16.7	8.2	8.2	8.2	8.2	8.2	8.2
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)