

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

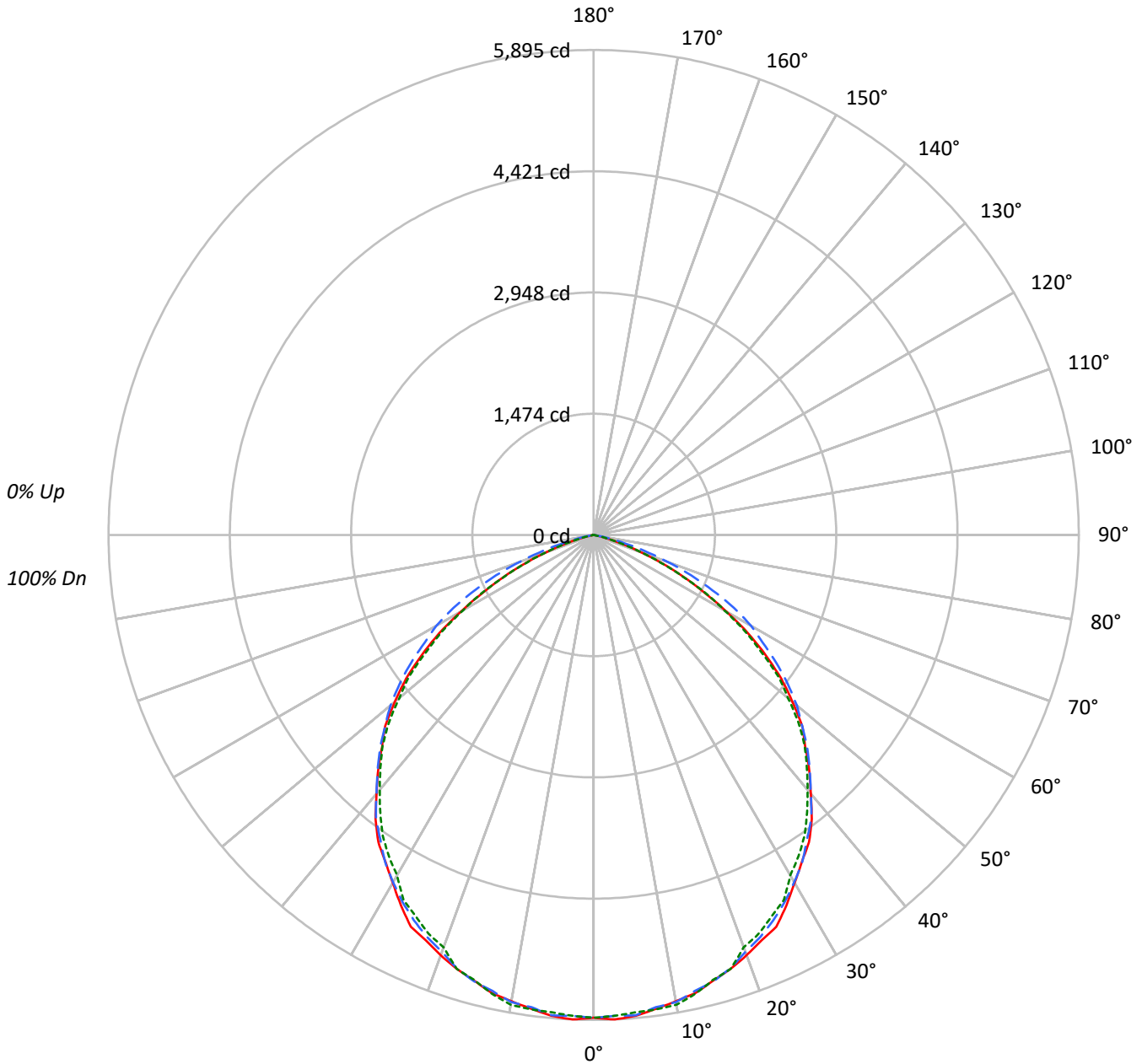
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14170.0 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): 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°	252694	252694	252694
5°	253659	253292	251792
10°	251682	252054	253571
15°	250036	250428	249657
20°	249081	247097	244325
25°	249619	245514	243039
30°	242720	242298	237560
35°	239779	237509	234770
40°	230621	230621	227215
45°	221390	223484	220854
50°	211063	215711	206434
55°	191694	203397	187145
60°	160270	190074	158040
65°	122590	162262	121694
70°	76300	119869	77370
75°	28813	64828	27349
80°	2108	10711	2108
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.1	3.9
10°-20°	1582.9	11.2
20°-30°	2381.8	16.8
30°-40°	2817.7	19.9
40°-50°	2811.9	19.8
50°-60°	2331.7	16.5
60°-70°	1362.3	9.6
70°-80°	324.4	2.3
80°-90°	2.3	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°	4519.7	31.9
0°-40°	7337.4	51.8
0°-60°	12481.0	88.1
0°-90°	14170.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14170.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5869	5869	5869	5869	5869	
5°	5869	5839	5860	5843	5826	556
15°	5609	5605	5618	5592	5601	1586
25°	5254	5194	5168	5151	5116	2402
35°	4562	4519	4519	4493	4467	2836
45°	3636	3640	3670	3631	3627	2813
55°	2554	2645	2710	2636	2493	2267
65°	1203	1355	1593	1350	1194	1196
75°	173	251	390	247	164	234
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°	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0
2.5°	5895.2	5860.5	5886.4	5834.7	5869.0	5834.7	5843.2	5825.8	5860.5	5851.7	5843.2
5°	5869.0	5877.9	5860.5	5877.9	5851.7	5825.8	5851.7	5834.7	5782.6	5860.5	5843.2
7.5°	5808.5	5817.3	5799.9	5825.8	5808.5	5773.8	5843.2	5791.1	5782.6	5791.1	5825.8
10°	5756.7	5773.8	5765.2	5756.7	5765.2	5765.2	5747.9	5722.0	5747.9	5765.2	5756.7
12.5°	5704.7	5730.5	5713.2	5696.1	5678.8	5687.3	5704.7	5661.4	5661.4	5678.8	5730.5
15°	5609.4	5626.7	5635.2	5600.9	5600.9	5609.4	5644.1	5574.7	5609.4	5618.2	5626.7
17.5°	5531.4	5540.3	5540.3	5514.1	5531.4	5505.6	5531.4	5496.7	5531.4	5522.9	5540.3
20°	5436.2	5453.5	5436.2	5436.2	5419.1	5427.6	5427.6	5427.6	5401.8	5392.9	5410.3
22.5°	5332.4	5332.4	5315.0	5332.4	5315.0	5306.5	5349.7	5280.6	5349.7	5289.1	5341.2
25°	5254.4	5211.2	5185.3	5176.5	5211.2	5176.5	5193.9	5168.0	5185.3	5168.0	5176.5
27.5°	5072.7	5046.8	5038.0	5046.8	5046.8	5038.0	5072.7	4977.4	5038.0	5029.5	5029.5
30°	4882.1	4882.1	4899.5	4882.1	4899.5	4873.6	4908.3	4830.4	4882.1	4873.6	4882.1
32.5°	4709.2	4717.8	4717.8	4735.1	4709.2	4717.8	4717.8	4691.9	4709.2	4717.8	4700.4
35°	4561.9	4518.7	4518.7	4518.7	4518.7	4518.7	4536.0	4510.2	4536.0	4518.7	4518.7
37.5°	4354.3	4311.1	4311.1	4302.2	4345.5	4319.6	4362.8	4328.1	4328.1	4345.5	4345.5
40°	4103.2	4120.5	4094.6	4129.0	4120.5	4085.8	4163.7	4112.0	4146.4	4103.2	4137.9
42.5°	3878.2	3886.7	3878.2	3869.4	3904.1	3895.6	3929.9	3895.6	3886.7	3886.7	3947.3
45°	3635.9	3635.9	3635.9	3661.8	3635.9	3644.4	3679.1	3661.8	3679.1	3670.3	3730.9
47.5°	3436.5	3393.3	3384.7	3436.5	3428.0	3436.5	3436.5	3445.3	3453.8	3436.5	3462.7
50°	3151.0	3133.6	3133.6	3142.4	3151.0	3168.3	3194.2	3211.5	3194.2	3220.4	3228.9
52.5°	2873.9	2856.6	2865.4	2899.8	2917.2	2908.7	2951.9	2960.4	2951.9	2969.2	2969.2
55°	2553.7	2536.4	2562.2	2605.8	2631.6	2657.5	2700.7	2666.3	2700.7	2709.6	2718.1
57.5°	2224.6	2216.1	2224.6	2267.9	2294.0	2354.6	2423.7	2423.7	2458.4	2432.6	2458.4
60°	1861.2	1861.2	1895.9	1921.7	1991.2	2034.4	2103.5	2138.2	2172.9	2207.3	2190.2
62.5°	1514.7	1523.6	1549.4	1610.0	1653.2	1714.1	1791.8	1826.5	1887.0	1921.7	1904.4
65°	1203.3	1203.3	1220.7	1272.4	1315.7	1393.6	1463.0	1540.9	1575.6	1592.7	1601.5
67.5°	900.1	891.6	926.3	961.0	1004.3	1082.2	1160.1	1203.3	1263.9	1281.3	1272.4
70°	606.1	614.6	632.0	666.7	718.4	779.0	865.8	900.1	934.8	952.2	934.8
72.5°	380.8	380.8	389.7	424.0	458.7	502.0	562.5	597.3	640.5	649.3	632.0
75°	173.2	173.2	190.6	207.6	233.8	268.5	311.7	337.6	363.5	389.7	389.7
77.5°	34.7	43.2	52.1	52.1	69.1	95.3	121.2	147.0	173.2	173.2	173.2
80°	8.5	8.5	8.5	8.5	8.5	8.5	17.4	25.9	43.2	43.2	43.2
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°	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0	5869.0
2.5°	5869.0	5921.1	5869.0	5843.2	5877.9	5869.0	5843.2	5851.7
5°	5843.2	5860.5	5877.9	5808.5	5851.7	5860.5	5843.2	5825.8
7.5°	5817.3	5825.8	5817.3	5799.9	5799.9	5799.9	5817.3	5817.3
10°	5808.5	5782.6	5739.4	5713.2	5739.4	5739.4	5730.5	5799.9
12.5°	5696.1	5730.5	5704.7	5652.6	5704.7	5696.1	5696.1	5713.2
15°	5609.4	5609.4	5626.7	5557.6	5592.0	5583.5	5583.5	5600.9
17.5°	5522.9	5522.9	5514.1	5496.7	5488.2	5514.1	5488.2	5531.4
20°	5401.8	5419.1	5470.9	5384.4	5410.3	5384.4	5384.4	5332.4
22.5°	5254.4	5341.2	5297.7	5289.1	5280.6	5289.1	5306.5	5245.9
25°	5159.1	5159.1	5176.5	5124.8	5124.8	5142.1	5133.3	5115.9
27.5°	5029.5	5020.6	5012.1	4994.8	5038.0	5003.6	5003.6	5003.6
30°	4847.8	4873.6	4865.1	4821.6	4873.6	4856.3	4830.4	4778.3
32.5°	4691.9	4726.6	4674.5	4666.0	4657.2	4666.0	4674.5	4631.3
35°	4501.3	4510.2	4510.2	4475.5	4484.0	4475.5	4458.1	4466.6
37.5°	4328.1	4319.6	4276.4	4259.0	4267.5	4267.5	4276.4	4259.0
40°	4085.8	4112.0	4112.0	4051.4	4068.4	4051.4	4051.4	4042.6
42.5°	3886.7	3895.6	3869.4	3843.5	3843.5	3835.0	3817.6	3835.0
45°	3679.1	3670.3	3644.4	3618.5	3618.5	3609.7	3592.3	3627.1
47.5°	3445.3	3428.0	3419.5	3384.7	3384.7	3332.7	3341.5	3375.9
50°	3211.5	3194.2	3159.8	3142.4	3116.2	3090.4	3081.9	3081.9
52.5°	2934.5	2934.5	2899.8	2865.4	2856.6	2839.2	2821.9	2830.7
55°	2692.2	2692.2	2666.3	2605.8	2571.1	2527.8	2501.6	2493.1
57.5°	2415.2	2397.8	2345.8	2276.7	2242.0	2207.3	2181.4	2181.4
60°	2138.2	2095.0	2042.9	1982.3	1921.7	1861.2	1843.8	1835.3
62.5°	1835.3	1791.8	1696.8	1627.4	1584.2	1549.4	1514.7	1540.9
65°	1532.1	1471.5	1385.1	1315.7	1272.4	1220.7	1194.5	1194.5
67.5°	1211.9	1151.3	1064.8	995.4	952.2	917.5	883.1	883.1
70°	891.6	848.4	770.5	709.9	675.2	623.1	614.6	614.6
72.5°	606.1	554.0	493.5	450.2	415.5	380.8	363.5	354.9
75°	337.6	302.9	259.7	233.8	199.1	181.7	164.4	164.4
77.5°	138.5	112.6	86.4	69.1	52.1	43.2	34.7	43.2
80°	25.9	17.4	8.5	8.5	8.5	8.5	8.5	8.5
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)