

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 6LBCSSQMMS**

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

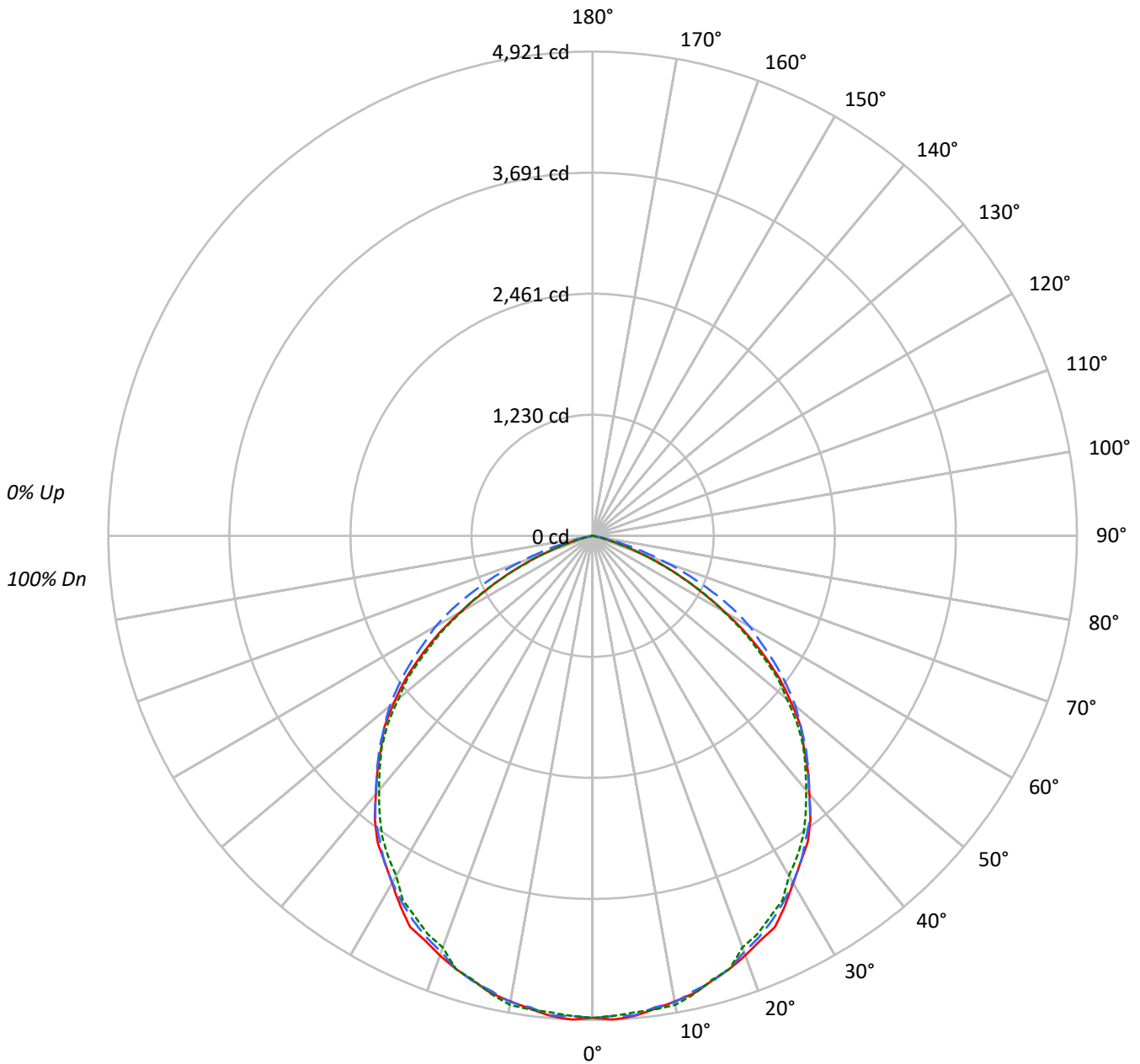
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11829.0 lumens
Efficiency: N/A
Efficacy: 83.1 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°	210947	210947	210947
5°	211753	211446	210192
10°	210105	210415	211678
15°	208729	209054	208413
20°	207931	206277	203958
25°	208383	204953	202887
30°	202624	202271	198314
35°	200164	198272	195985
40°	192520	192520	189676
45°	184813	186561	184362
50°	176191	180070	172326
55°	160024	169790	156226
60°	133791	158669	131931
65°	102337	135447	101593
70°	63698	100067	64592
75°	24055	54115	22824
80°	1760	8951	1760
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.4	3.9
10°-20°	1321.4	11.2
20°-30°	1988.3	16.8
30°-40°	2352.2	19.9
40°-50°	2347.3	19.8
50°-60°	1946.5	16.5
60°-70°	1137.2	9.6
70°-80°	270.8	2.3
80°-90°	1.9	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°	3773.1	31.9
0°-40°	6125.2	51.8
0°-60°	10419.0	88.1
0°-90°	11829.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11829.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4899	4899	4899	4899	4899	
5°	4899	4874	4892	4878	4863	464
15°	4683	4679	4690	4668	4676	1324
25°	4386	4336	4314	4300	4271	2005
35°	3808	3772	3772	3751	3729	2368
45°	3035	3039	3064	3032	3028	2348
55°	2132	2208	2262	2201	2081	1893
65°	1004	1131	1330	1127	997	999
75°	145	210	325	206	137	196
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°	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4
2.5°	4921.3	4892.3	4913.9	4870.7	4899.4	4870.7	4877.8	4863.3	4892.3	4884.9	4877.8
5°	4899.4	4906.8	4892.3	4906.8	4884.9	4863.3	4884.9	4870.7	4827.3	4892.3	4877.8
7.5°	4848.9	4856.2	4841.7	4863.3	4848.9	4819.9	4877.8	4834.4	4827.3	4834.4	4863.3
10°	4805.7	4819.9	4812.8	4805.7	4812.8	4812.8	4798.3	4776.7	4798.3	4812.8	4805.7
12.5°	4762.2	4783.8	4769.3	4755.1	4740.6	4747.7	4762.2	4726.1	4726.1	4740.6	4783.8
15°	4682.7	4697.1	4704.3	4675.6	4675.6	4682.7	4711.6	4653.7	4682.7	4690.0	4697.1
17.5°	4617.6	4625.0	4625.0	4603.1	4617.6	4596.0	4617.6	4588.6	4617.6	4610.5	4625.0
20°	4538.1	4552.6	4538.1	4538.1	4523.8	4531.0	4531.0	4531.0	4509.4	4502.0	4516.5
22.5°	4451.4	4451.4	4436.9	4451.4	4436.9	4429.8	4465.9	4408.2	4465.9	4415.3	4458.8
25°	4386.4	4350.3	4328.7	4321.3	4350.3	4321.3	4335.8	4314.2	4328.7	4314.2	4321.3
27.5°	4234.7	4213.1	4205.7	4213.1	4213.1	4205.7	4234.7	4155.1	4205.7	4198.6	4198.6
30°	4075.6	4075.6	4090.1	4075.6	4090.1	4068.5	4097.4	4032.4	4075.6	4068.5	4075.6
32.5°	3931.2	3938.3	3938.3	3952.8	3931.2	3938.3	3938.3	3916.8	3931.2	3938.3	3923.9
35°	3808.2	3772.2	3772.2	3772.2	3772.2	3772.2	3786.6	3765.0	3786.6	3772.2	3772.2
37.5°	3634.9	3598.9	3598.9	3591.5	3627.6	3606.0	3642.0	3613.1	3613.1	3627.6	3627.6
40°	3425.3	3439.8	3418.2	3446.9	3439.8	3410.8	3475.8	3432.7	3461.4	3425.3	3454.3
42.5°	3237.5	3244.6	3237.5	3230.1	3259.1	3252.0	3280.7	3252.0	3244.6	3244.6	3295.2
45°	3035.2	3035.2	3035.2	3056.8	3035.2	3042.3	3071.3	3056.8	3071.3	3063.9	3114.5
47.5°	2868.7	2832.7	2825.6	2868.7	2861.6	2868.7	2868.7	2876.1	2883.2	2868.7	2890.6
50°	2630.4	2615.9	2615.9	2623.3	2630.4	2644.9	2666.5	2681.0	2666.5	2688.3	2695.4
52.5°	2399.1	2384.7	2392.0	2420.7	2435.2	2428.1	2464.2	2471.3	2464.2	2478.7	2478.7
55°	2131.8	2117.3	2138.9	2175.3	2196.9	2218.5	2254.5	2225.8	2254.5	2261.9	2269.0
57.5°	1857.1	1850.0	1857.1	1893.2	1915.1	1965.6	2023.3	2023.3	2052.3	2030.7	2052.3
60°	1553.7	1553.7	1582.7	1604.3	1662.2	1698.3	1756.0	1784.9	1813.9	1842.6	1828.4
62.5°	1264.5	1271.9	1293.5	1344.0	1380.1	1431.0	1495.7	1524.7	1575.3	1604.3	1589.8
65°	1004.5	1004.5	1019.0	1062.2	1098.3	1163.4	1221.3	1286.4	1315.3	1329.5	1336.9
67.5°	751.4	744.3	773.3	802.3	838.3	903.4	968.5	1004.5	1055.1	1069.6	1062.2
70°	506.0	513.1	527.6	556.5	599.7	650.3	722.7	751.4	780.4	794.9	780.4
72.5°	317.9	317.9	325.3	354.0	383.0	419.0	469.6	498.6	534.7	542.0	527.6
75°	144.6	144.6	159.1	173.3	195.2	224.1	260.2	281.8	303.4	325.3	325.3
77.5°	29.0	36.1	43.5	43.5	57.7	79.5	101.1	122.7	144.6	144.6	144.6
80°	7.1	7.1	7.1	7.1	7.1	7.1	14.5	21.6	36.1	36.1	36.1
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°	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4	4899.4
2.5°	4899.4	4942.9	4899.4	4877.8	4906.8	4899.4	4877.8	4884.9
5°	4877.8	4892.3	4906.8	4848.9	4884.9	4892.3	4877.8	4863.3
7.5°	4856.2	4863.3	4856.2	4841.7	4841.7	4841.7	4856.2	4856.2
10°	4848.9	4827.3	4791.2	4769.3	4791.2	4791.2	4783.8	4841.7
12.5°	4755.1	4783.8	4762.2	4718.7	4762.2	4755.1	4755.1	4769.3
15°	4682.7	4682.7	4697.1	4639.5	4668.2	4661.1	4661.1	4675.6
17.5°	4610.5	4610.5	4603.1	4588.6	4581.5	4603.1	4581.5	4617.6
20°	4509.4	4523.8	4567.0	4494.9	4516.5	4494.9	4494.9	4451.4
22.5°	4386.4	4458.8	4422.4	4415.3	4408.2	4415.3	4429.8	4379.3
25°	4306.8	4306.8	4321.3	4278.1	4278.1	4292.6	4285.2	4270.7
27.5°	4198.6	4191.2	4184.1	4169.6	4205.7	4177.0	4177.0	4177.0
30°	4046.9	4068.5	4061.4	4025.0	4068.5	4054.0	4032.4	3988.9
32.5°	3916.8	3945.7	3902.3	3895.2	3887.8	3895.2	3902.3	3866.2
35°	3757.7	3765.0	3765.0	3736.1	3743.2	3736.1	3721.6	3728.7
37.5°	3613.1	3606.0	3569.9	3555.4	3562.5	3562.5	3569.9	3555.4
40°	3410.8	3432.7	3432.7	3382.1	3396.3	3382.1	3382.1	3374.7
42.5°	3244.6	3252.0	3230.1	3208.5	3208.5	3201.4	3186.9	3201.4
45°	3071.3	3063.9	3042.3	3020.7	3020.7	3013.3	2998.9	3027.8
47.5°	2876.1	2861.6	2854.5	2825.6	2825.6	2782.1	2789.5	2818.2
50°	2681.0	2666.5	2637.8	2623.3	2601.4	2579.8	2572.7	2572.7
52.5°	2449.7	2449.7	2420.7	2392.0	2384.7	2370.2	2355.7	2363.1
55°	2247.4	2247.4	2225.8	2175.3	2146.3	2110.2	2088.4	2081.2
57.5°	2016.2	2001.7	1958.2	1900.6	1871.6	1842.6	1821.0	1821.0
60°	1784.9	1748.9	1705.4	1654.8	1604.3	1553.7	1539.2	1532.1
62.5°	1532.1	1495.7	1416.5	1358.5	1322.4	1293.5	1264.5	1286.4
65°	1279.0	1228.4	1156.2	1098.3	1062.2	1019.0	997.2	997.2
67.5°	1011.6	961.1	888.9	831.0	794.9	765.9	737.2	737.2
70°	744.3	708.2	643.2	592.6	563.6	520.2	513.1	513.1
72.5°	506.0	462.5	411.9	375.8	346.9	317.9	303.4	296.3
75°	281.8	252.8	216.8	195.2	166.2	151.7	137.2	137.2
77.5°	115.6	94.0	72.2	57.7	43.5	36.1	29.0	36.1
80°	21.6	14.5	7.1	7.1	7.1	7.1	7.1	7.1
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)