

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: **LX6C100D010 EX6C1009030 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: LX6C100D010 EX6C1009030 6LBCSSQMW
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

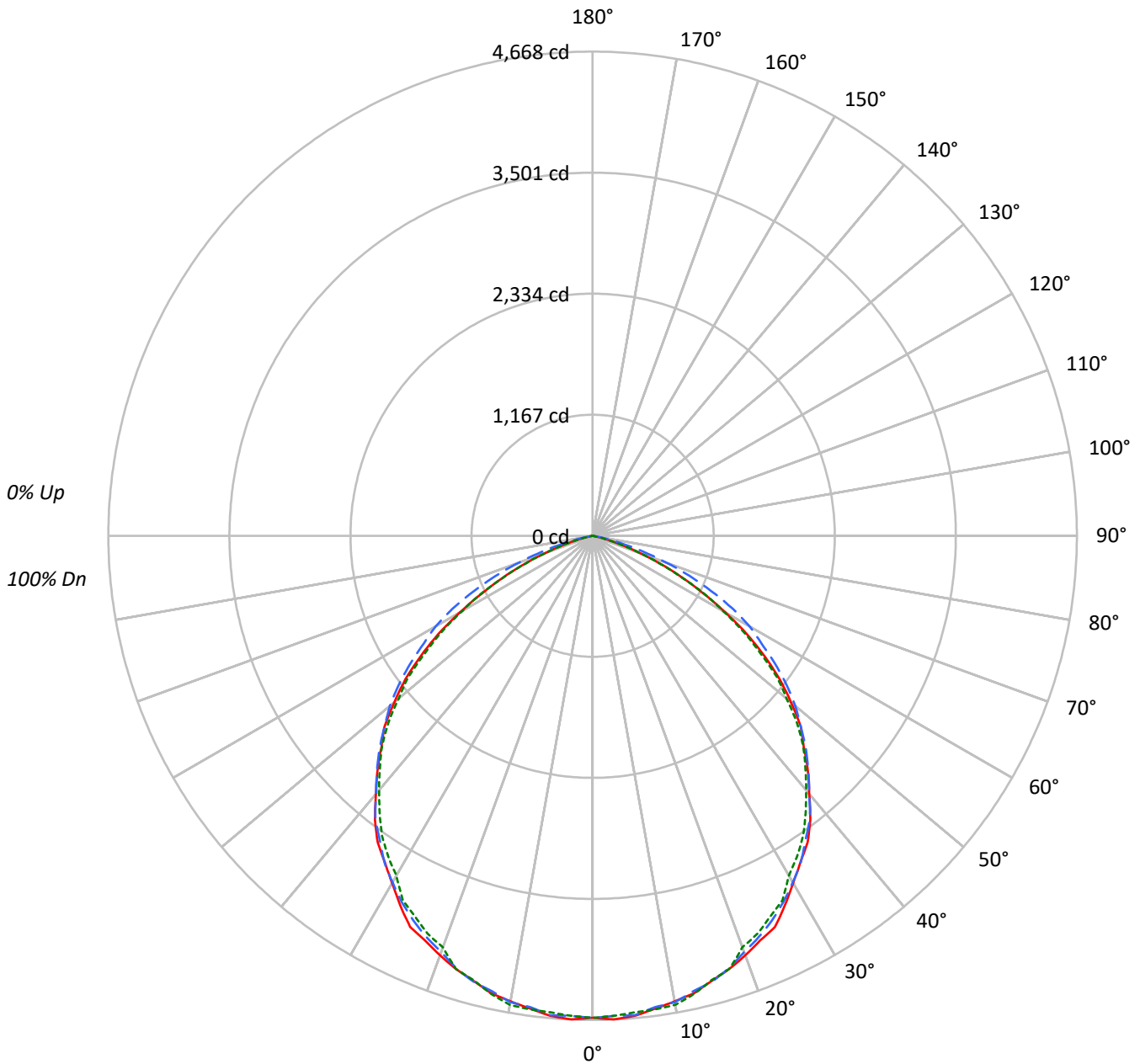
Lumens per Lamp: N/A
Luminaire Lumens: 11219.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.22 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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				20				
RC	80				70				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°	200071	200071	200071
5°	200835	200541	199353
10°	199266	199564	200766
15°	197964	198276	197661
20°	197204	195637	193443
25°	197637	194383	192426
30°	192174	191841	188087
35°	189846	188043	185878
40°	182588	182588	179896
45°	175284	176940	174858
50°	167102	170786	163438
55°	151774	161037	148171
60°	126894	150488	125128
65°	97060	128469	96346
70°	60413	94906	61256
75°	22807	51320	21643
80°	1661	8480	1661
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.5	3.9
10°-20°	1253.2	11.2
20°-30°	1885.8	16.8
30°-40°	2230.9	19.9
40°-50°	2226.3	19.8
50°-60°	1846.1	16.5
60°-70°	1078.6	9.6
70°-80°	256.8	2.3
80°-90°	1.8	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°	3578.5	31.9
0°-40°	5809.3	51.8
0°-60°	9881.7	88.1
0°-90°	11219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4647	4647	4647	4647	4647	
5°	4647	4623	4640	4626	4612	440
15°	4441	4438	4448	4428	4434	1255
25°	4160	4112	4092	4078	4050	1902
35°	3612	3578	3578	3557	3536	2246
45°	2879	2882	2906	2875	2872	2227
55°	2022	2094	2145	2087	1974	1795
65°	953	1073	1261	1069	946	947
75°	137	199	308	195	130	186
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°	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8
2.5°	4667.5	4640.0	4660.5	4619.5	4646.8	4619.5	4626.3	4612.5	4640.0	4633.0	4626.3
5°	4646.8	4653.8	4640.0	4653.8	4633.0	4612.5	4633.0	4619.5	4578.3	4640.0	4626.3
7.5°	4598.8	4605.8	4592.1	4612.5	4598.8	4571.3	4626.3	4585.1	4578.3	4585.1	4612.5
10°	4557.8	4571.3	4564.6	4557.8	4564.6	4564.6	4550.8	4530.4	4550.8	4564.6	4557.8
12.5°	4516.6	4537.1	4523.4	4509.9	4496.1	4502.9	4516.6	4482.4	4482.4	4496.1	4537.1
15°	4441.2	4454.9	4461.7	4434.4	4434.4	4441.2	4468.7	4413.7	4441.2	4448.2	4454.9
17.5°	4379.5	4386.5	4386.5	4365.7	4379.5	4359.0	4379.5	4352.0	4379.5	4372.7	4386.5
20°	4304.0	4317.8	4304.0	4304.0	4290.6	4297.3	4297.3	4297.3	4276.8	4269.8	4283.6
22.5°	4221.9	4221.9	4208.1	4221.9	4208.1	4201.4	4235.6	4180.9	4235.6	4187.6	4228.9
25°	4160.2	4125.9	4105.5	4098.5	4125.9	4098.5	4112.2	4091.7	4105.5	4091.7	4098.5
27.5°	4016.3	3995.8	3988.8	3995.8	3995.8	3988.8	4016.3	3940.8	3988.8	3982.1	3982.1
30°	3865.4	3865.4	3879.1	3865.4	3879.1	3858.7	3886.1	3824.4	3865.4	3858.7	3865.4
32.5°	3728.5	3735.3	3735.3	3749.0	3728.5	3735.3	3735.3	3714.8	3728.5	3735.3	3721.5
35°	3611.9	3577.6	3577.6	3577.6	3577.6	3577.6	3591.4	3570.9	3591.4	3577.6	3577.6
37.5°	3447.5	3413.3	3413.3	3406.3	3440.5	3420.0	3454.2	3426.7	3426.7	3440.5	3440.5
40°	3248.6	3262.4	3241.9	3269.1	3262.4	3234.9	3296.6	3255.6	3282.9	3248.6	3276.1
42.5°	3070.5	3077.3	3070.5	3063.5	3091.0	3084.3	3111.5	3084.3	3077.3	3077.3	3125.2
45°	2878.7	2878.7	2878.7	2899.2	2878.7	2885.4	2912.9	2899.2	2912.9	2905.9	2953.9
47.5°	2720.8	2686.6	2679.9	2720.8	2714.1	2720.8	2720.8	2727.8	2734.6	2720.8	2741.6
50°	2494.7	2481.0	2481.0	2488.0	2494.7	2508.5	2529.0	2542.7	2529.0	2549.7	2556.4
52.5°	2275.4	2261.7	2268.7	2295.9	2309.6	2302.9	2337.1	2343.9	2337.1	2350.9	2350.9
55°	2021.9	2008.1	2028.6	2063.1	2083.6	2104.1	2138.3	2111.1	2138.3	2145.3	2152.0
57.5°	1761.3	1754.6	1761.3	1795.6	1816.3	1864.3	1919.0	1919.0	1946.4	1926.0	1946.4
60°	1473.6	1473.6	1501.0	1521.5	1576.5	1610.7	1665.4	1692.9	1720.4	1747.6	1734.1
62.5°	1199.3	1206.3	1226.8	1274.7	1308.9	1357.2	1418.6	1446.1	1494.0	1521.5	1507.8
65°	952.7	952.7	966.5	1007.4	1041.7	1103.4	1158.3	1220.0	1247.5	1261.0	1268.0
67.5°	712.7	705.9	733.4	760.9	795.1	856.8	918.5	952.7	1000.7	1014.4	1007.4
70°	479.9	486.6	500.3	527.8	568.8	616.8	685.5	712.7	740.2	753.9	740.2
72.5°	301.5	301.5	308.5	335.7	363.2	397.4	445.4	472.9	507.1	514.1	500.3
75°	137.1	137.1	150.9	164.4	185.1	212.6	246.8	267.3	287.8	308.5	308.5
77.5°	27.5	34.2	41.2	41.2	54.7	75.4	95.9	116.4	137.1	137.1	137.1
80°	6.7	6.7	6.7	6.7	6.7	6.7	13.7	20.5	34.2	34.2	34.2
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°	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8	4646.8
2.5°	4646.8	4688.0	4646.8	4626.3	4653.8	4646.8	4626.3	4633.0
5°	4626.3	4640.0	4653.8	4598.8	4633.0	4640.0	4626.3	4612.5
7.5°	4605.8	4612.5	4605.8	4592.1	4592.1	4592.1	4605.8	4605.8
10°	4598.8	4578.3	4544.1	4523.4	4544.1	4544.1	4537.1	4592.1
12.5°	4509.9	4537.1	4516.6	4475.4	4516.6	4509.9	4509.9	4523.4
15°	4441.2	4441.2	4454.9	4400.2	4427.4	4420.7	4420.7	4434.4
17.5°	4372.7	4372.7	4365.7	4352.0	4345.3	4365.7	4345.3	4379.5
20°	4276.8	4290.6	4331.5	4263.1	4283.6	4263.1	4263.1	4221.9
22.5°	4160.2	4228.9	4194.4	4187.6	4180.9	4187.6	4201.4	4153.4
25°	4084.7	4084.7	4098.5	4057.5	4057.5	4071.2	4064.2	4050.5
27.5°	3982.1	3975.1	3968.3	3954.6	3988.8	3961.6	3961.6	3961.6
30°	3838.2	3858.7	3851.9	3817.4	3858.7	3844.9	3824.4	3783.2
32.5°	3714.8	3742.3	3701.0	3694.3	3687.3	3694.3	3701.0	3666.8
35°	3563.9	3570.9	3570.9	3543.4	3550.1	3543.4	3529.7	3536.4
37.5°	3426.7	3420.0	3385.8	3372.0	3378.8	3378.8	3385.8	3372.0
40°	3234.9	3255.6	3255.6	3207.7	3221.2	3207.7	3207.7	3200.7
42.5°	3077.3	3084.3	3063.5	3043.1	3043.1	3036.3	3022.6	3036.3
45°	2912.9	2905.9	2885.4	2865.0	2865.0	2858.0	2844.2	2871.7
47.5°	2727.8	2714.1	2707.3	2679.9	2679.9	2638.6	2645.6	2672.9
50°	2542.7	2529.0	2501.7	2488.0	2467.3	2446.8	2440.0	2440.0
52.5°	2323.4	2323.4	2295.9	2268.7	2261.7	2247.9	2234.2	2241.2
55°	2131.5	2131.5	2111.1	2063.1	2035.6	2001.4	1980.7	1973.9
57.5°	1912.2	1898.5	1857.3	1802.6	1775.1	1747.6	1727.1	1727.1
60°	1692.9	1658.7	1617.5	1569.5	1521.5	1473.6	1459.8	1453.1
62.5°	1453.1	1418.6	1343.4	1288.5	1254.2	1226.8	1199.3	1220.0
65°	1213.0	1165.1	1096.6	1041.7	1007.4	966.5	945.7	945.7
67.5°	959.5	911.5	843.1	788.1	753.9	726.4	699.2	699.2
70°	705.9	671.7	610.0	562.1	534.6	493.3	486.6	486.6
72.5°	479.9	438.6	390.7	356.5	329.0	301.5	287.8	281.0
75°	267.3	239.8	205.6	185.1	157.6	143.9	130.1	130.1
77.5°	109.7	89.2	68.4	54.7	41.2	34.2	27.5	34.2
80°	20.5	13.7	6.7	6.7	6.7	6.7	6.7	6.7
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)