

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 EX6C1009035 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: LX6C100D010 EX6C1009035 6LBCSSQMMS
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

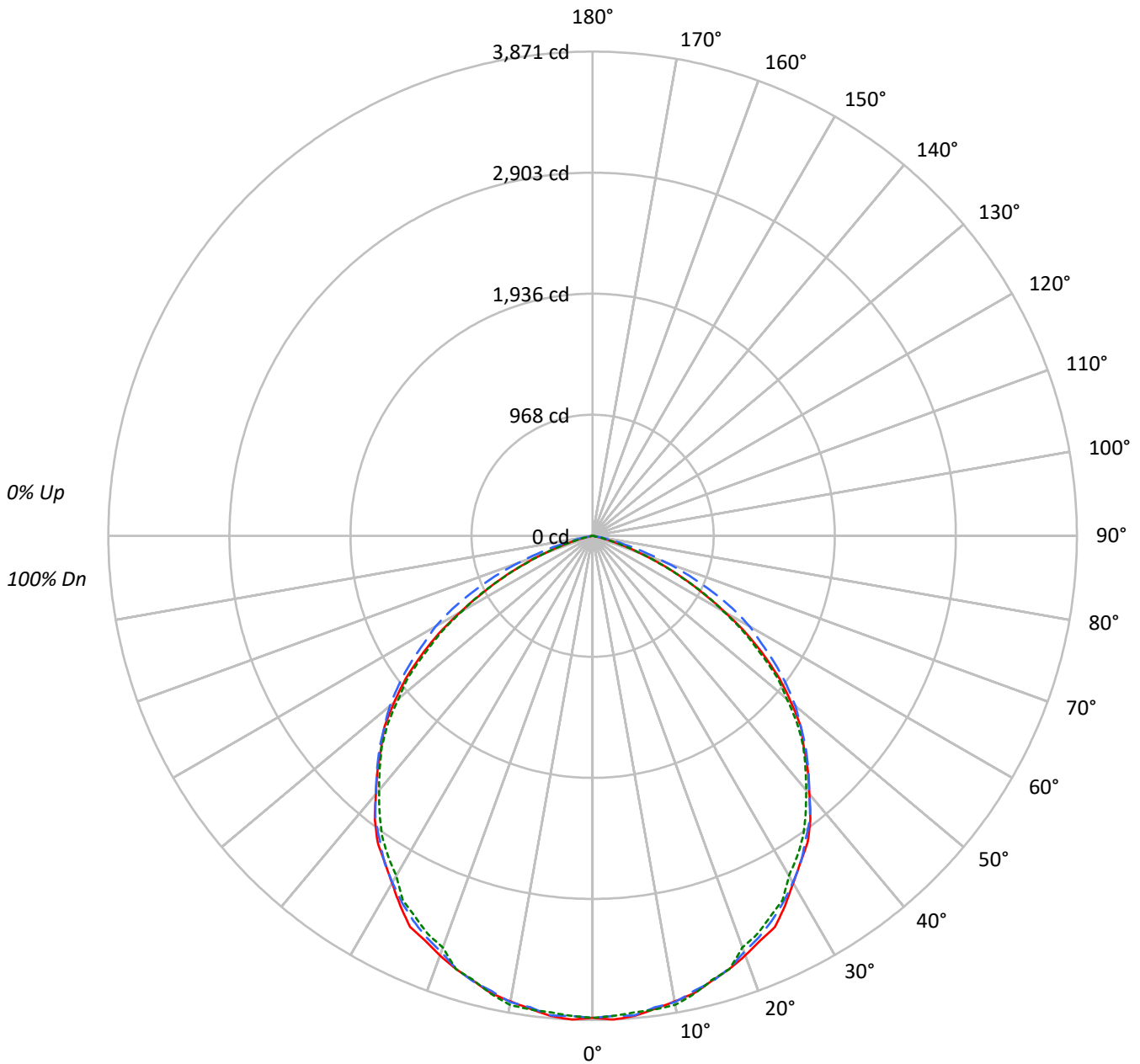
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9305.0 lumens
Efficiency: N/A
Efficacy: 81.3 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

TEST NUMBER: P#
CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBCSSQMMS

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	100	100
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87	87	87	87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75	75	75	75
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64	64	64	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	56	56	56
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49	49	49	49
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43	43	43	43
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38	38	38	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34	34	34	34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31	31	31	31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28	28	28	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	165937	165937	165937
5°	166570	166328	165343
10°	165274	165519	166511
15°	164190	164449	163941
20°	163564	162263	160439
25°	163917	161223	159599
30°	159386	159112	156000
35°	157458	155965	154167
40°	151439	151439	149202
45°	145381	146757	145028
50°	138594	141648	135560
55°	125877	133564	122897
60°	105245	124810	103781
65°	80504	106555	79913
70°	50103	78717	50808
75°	18914	42570	17950
80°	1389	7042	1389
85°	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.5	3.9
10°-20°	1039.4	11.2
20°-30°	1564.1	16.8
30°-40°	1850.3	19.9
40°-50°	1846.5	19.8
50°-60°	1531.1	16.5
60°-70°	894.6	9.6
70°-80°	213.0	2.3
80°-90°	1.5	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°	2968.0	31.9
0°-40°	4818.2	51.8
0°-60°	8195.9	88.1
0°-90°	9305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3854	3854	3854	3854	3854	
5°	3854	3834	3848	3837	3826	365
15°	3684	3681	3689	3672	3678	1041
25°	3450	3411	3394	3382	3360	1577
35°	2996	2967	2967	2950	2933	1862
45°	2388	2390	2410	2385	2382	1847
55°	1677	1737	1779	1731	1637	1489
65°	790	890	1046	887	784	785
75°	114	165	256	162	108	154
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0
2.5°	3871.2	3848.4	3865.4	3831.4	3854.0	3831.4	3837.0	3825.6	3848.4	3842.6	3837.0
5°	3854.0	3859.8	3848.4	3859.8	3842.6	3825.6	3842.6	3831.4	3797.3	3848.4	3837.0
7.5°	3814.2	3820.0	3808.6	3825.6	3814.2	3791.4	3837.0	3802.8	3797.3	3802.8	3825.6
10°	3780.3	3791.4	3785.9	3780.3	3785.9	3785.9	3774.5	3757.5	3774.5	3785.9	3780.3
12.5°	3746.1	3763.1	3751.7	3740.5	3729.1	3734.7	3746.1	3717.7	3717.7	3729.1	3763.1
15°	3683.5	3694.9	3700.5	3677.9	3677.9	3683.5	3706.3	3660.7	3683.5	3689.3	3694.9
17.5°	3632.3	3638.1	3638.1	3620.9	3632.3	3615.3	3632.3	3609.5	3632.3	3626.7	3638.1
20°	3569.8	3581.2	3569.8	3569.8	3558.6	3564.2	3564.2	3564.2	3547.2	3541.4	3552.8
22.5°	3501.6	3501.6	3490.2	3501.6	3490.2	3484.6	3513.0	3467.6	3513.0	3473.2	3507.4
25°	3450.4	3422.0	3405.1	3399.2	3422.0	3399.2	3410.6	3393.7	3405.1	3393.7	3399.2
27.5°	3331.1	3314.1	3308.3	3314.1	3314.1	3308.3	3331.1	3268.5	3308.3	3302.7	3302.7
30°	3205.9	3205.9	3217.3	3205.9	3217.3	3200.4	3223.1	3172.0	3205.9	3200.4	3205.9
32.5°	3092.4	3098.0	3098.0	3109.4	3092.4	3098.0	3098.0	3081.0	3092.4	3098.0	3086.6
35°	2995.7	2967.3	2967.3	2967.3	2967.3	2967.3	2978.7	2961.7	2978.7	2967.3	2967.3
37.5°	2859.3	2831.0	2831.0	2825.1	2853.5	2836.5	2864.9	2842.1	2842.1	2853.5	2853.5
40°	2694.4	2705.8	2688.8	2711.4	2705.8	2683.0	2734.2	2700.2	2722.8	2694.4	2717.2
42.5°	2546.7	2552.3	2546.7	2540.9	2563.7	2558.1	2580.7	2558.1	2552.3	2552.3	2592.1
45°	2387.6	2387.6	2387.6	2404.6	2387.6	2393.2	2416.0	2404.6	2416.0	2410.2	2449.9
47.5°	2256.6	2228.3	2222.7	2256.6	2251.0	2256.6	2256.6	2262.4	2268.0	2256.6	2273.8
50°	2069.1	2057.7	2057.7	2063.5	2069.1	2080.5	2097.5	2108.9	2097.5	2114.7	2120.3
52.5°	1887.2	1875.8	1881.6	1904.2	1915.6	1910.0	1938.4	1944.0	1938.4	1949.8	1949.8
55°	1676.9	1665.5	1682.5	1711.1	1728.1	1745.1	1773.5	1750.9	1773.5	1779.3	1784.9
57.5°	1460.8	1455.3	1460.8	1489.2	1506.4	1546.2	1591.6	1591.6	1614.4	1597.4	1614.4
60°	1222.2	1222.2	1245.0	1262.0	1307.5	1335.9	1381.3	1404.1	1426.9	1449.4	1438.3
62.5°	994.7	1000.5	1017.5	1057.3	1085.6	1125.6	1176.6	1199.4	1239.2	1262.0	1250.6
65°	790.2	790.2	801.6	835.6	863.9	915.1	960.7	1011.9	1034.7	1045.9	1051.7
67.5°	591.1	585.5	608.3	631.1	659.5	710.6	761.8	790.2	830.0	841.4	835.6
70°	398.0	403.6	415.0	437.8	471.8	511.5	568.5	591.1	613.9	625.3	613.9
72.5°	250.1	250.1	255.9	278.5	301.2	329.6	369.4	392.2	420.6	426.4	415.0
75°	113.7	113.7	125.1	136.3	153.5	176.3	204.7	221.7	238.7	255.9	255.9
77.5°	22.8	28.4	34.2	34.2	45.4	62.6	79.6	96.5	113.7	113.7	113.7
80°	5.6	5.6	5.6	5.6	5.6	5.6	11.4	17.0	28.4	28.4	28.4
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



TEST NUMBER: P#

CATALOG NUMBER: LX6C100D010 EX6C1009035 6LBCSSQMMS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0	3854.0
2.5°	3854.0	3888.2	3854.0	3837.0	3859.8	3854.0	3837.0	3842.6
5°	3837.0	3848.4	3859.8	3814.2	3842.6	3848.4	3837.0	3825.6
7.5°	3820.0	3825.6	3820.0	3808.6	3808.6	3808.6	3820.0	3820.0
10°	3814.2	3797.3	3768.9	3751.7	3768.9	3768.9	3763.1	3808.6
12.5°	3740.5	3763.1	3746.1	3711.9	3746.1	3740.5	3740.5	3751.7
15°	3683.5	3683.5	3694.9	3649.5	3672.1	3666.5	3666.5	3677.9
17.5°	3626.7	3626.7	3620.9	3609.5	3603.9	3620.9	3603.9	3632.3
20°	3547.2	3558.6	3592.6	3535.8	3552.8	3535.8	3535.8	3501.6
22.5°	3450.4	3507.4	3478.8	3473.2	3467.6	3473.2	3484.6	3444.8
25°	3387.9	3387.9	3399.2	3365.3	3365.3	3376.7	3370.9	3359.5
27.5°	3302.7	3296.9	3291.3	3279.9	3308.3	3285.7	3285.7	3285.7
30°	3183.4	3200.4	3194.8	3166.2	3200.4	3189.0	3172.0	3137.8
32.5°	3081.0	3103.8	3069.6	3064.0	3058.2	3064.0	3069.6	3041.2
35°	2955.9	2961.7	2961.7	2938.9	2944.5	2938.9	2927.5	2933.1
37.5°	2842.1	2836.5	2808.2	2796.8	2802.4	2802.4	2808.2	2796.8
40°	2683.0	2700.2	2700.2	2660.4	2671.6	2660.4	2660.4	2654.6
42.5°	2552.3	2558.1	2540.9	2523.9	2523.9	2518.3	2506.9	2518.3
45°	2416.0	2410.2	2393.2	2376.2	2376.2	2370.4	2359.0	2381.8
47.5°	2262.4	2251.0	2245.5	2222.7	2222.7	2188.5	2194.3	2216.9
50°	2108.9	2097.5	2074.9	2063.5	2046.3	2029.4	2023.8	2023.8
52.5°	1927.0	1927.0	1904.2	1881.6	1875.8	1864.4	1853.0	1858.8
55°	1767.9	1767.9	1750.9	1711.1	1688.3	1660.0	1642.8	1637.2
57.5°	1586.0	1574.6	1540.4	1495.0	1472.2	1449.4	1432.5	1432.5
60°	1404.1	1375.7	1341.5	1301.7	1262.0	1222.2	1210.8	1205.2
62.5°	1205.2	1176.6	1114.2	1068.6	1040.3	1017.5	994.7	1011.9
65°	1006.1	966.3	909.5	863.9	835.6	801.6	784.4	784.4
67.5°	795.8	756.0	699.2	653.7	625.3	602.5	579.9	579.9
70°	585.5	557.1	505.9	466.2	443.4	409.2	403.6	403.6
72.5°	398.0	363.8	324.0	295.7	272.9	250.1	238.7	233.1
75°	221.7	198.9	170.5	153.5	130.7	119.3	107.9	107.9
77.5°	91.0	74.0	56.8	45.4	34.2	28.4	22.8	28.4
80°	17.0	11.4	5.6	5.6	5.6	5.6	5.6	5.6
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)