

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: **LX6C130D010 EX6C1309027 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: LX6C130D010 EX6C1309027 6LBCSSQMW
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

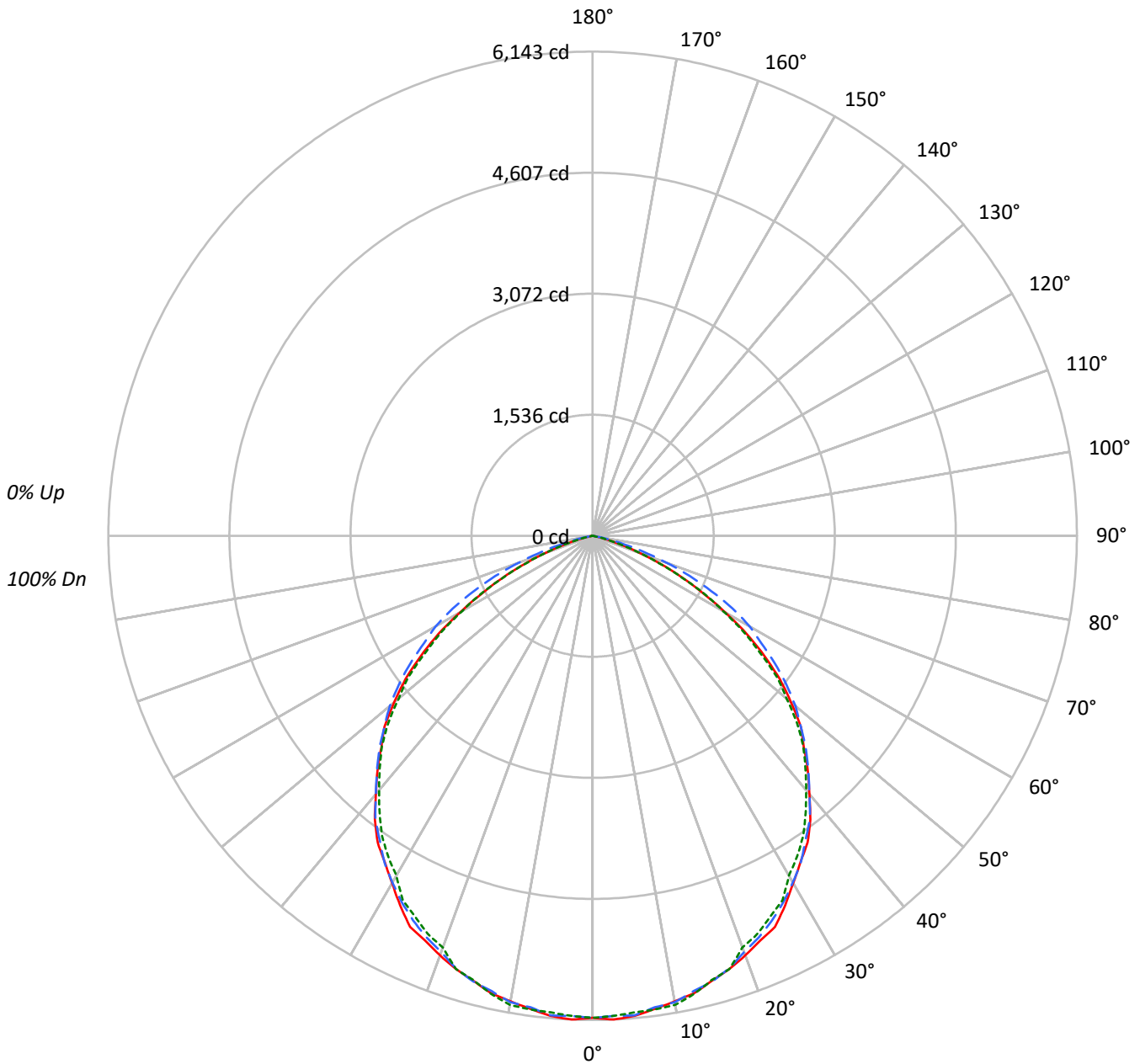
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14766.0 lumens
Efficiency: N/A
Efficacy: 102.3 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): 144.3
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

TEST NUMBER: P#
CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBCSSQMW

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
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°	263324	263324	263324
5°	264330	263945	262385
10°	262271	262656	264238
15°	260551	260961	260155
20°	259555	257493	254597
25°	260118	255842	253263
30°	252932	252490	247553
35°	249866	247495	244646
40°	240316	240316	236770
45°	230700	232886	230139
50°	219938	224781	215115
55°	199756	211947	195020
60°	167013	198065	164688
65°	127755	169088	126808
70°	79510	124904	80630
75°	30027	67540	28496
80°	2207	11158	2207
85°	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.4	3.9
10°-20°	1649.4	11.2
20°-30°	2482.0	16.8
30°-40°	2936.2	19.9
40°-50°	2930.1	19.8
50°-60°	2429.8	16.5
60°-70°	1419.6	9.6
70°-80°	338.1	2.3
80°-90°	2.4	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°	4709.9	31.9
0°-40°	7646.0	51.8
0°-60°	13005.9	88.1
0°-90°	14766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14766.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6116	6116	6116	6116	6116	
5°	6116	6084	6107	6089	6071	579
15°	5845	5841	5854	5827	5836	1652
25°	5475	5412	5385	5367	5331	2503
35°	4754	4709	4709	4682	4654	2956
45°	3789	3793	3825	3784	3780	2931
55°	2661	2756	2824	2747	2598	2363
65°	1254	1412	1660	1407	1245	1246
75°	180	262	406	257	171	244
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9
2.5°	6143.2	6107.0	6134.0	6080.1	6115.9	6080.1	6088.9	6070.9	6107.0	6097.8	6088.9
5°	6115.9	6125.1	6107.0	6125.1	6097.8	6070.9	6097.8	6080.1	6025.8	6107.0	6088.9
7.5°	6052.8	6062.0	6043.9	6070.9	6052.8	6016.6	6088.9	6034.7	6025.8	6034.7	6070.9
10°	5998.9	6016.6	6007.7	5998.9	6007.7	6007.7	5989.6	5962.7	5989.6	6007.7	5998.9
12.5°	5944.6	5971.6	5953.5	5935.7	5917.6	5926.5	5944.6	5899.6	5899.6	5917.6	5971.6
15°	5845.3	5863.4	5872.3	5836.4	5836.4	5845.3	5881.5	5809.1	5845.3	5854.5	5863.4
17.5°	5764.1	5773.3	5773.3	5746.0	5764.1	5737.1	5764.1	5727.9	5764.1	5755.2	5773.3
20°	5664.8	5682.9	5664.8	5664.8	5647.1	5655.9	5655.9	5655.9	5629.0	5619.8	5637.9
22.5°	5556.6	5556.6	5538.6	5556.6	5538.6	5529.7	5574.7	5502.7	5574.7	5511.6	5565.9
25°	5475.4	5430.4	5403.4	5394.2	5430.4	5394.2	5412.3	5385.4	5403.4	5385.4	5394.2
27.5°	5286.1	5259.1	5249.9	5259.1	5259.1	5249.9	5286.1	5186.8	5249.9	5241.0	5241.0
30°	5087.5	5087.5	5105.6	5087.5	5105.6	5078.6	5114.8	5033.6	5087.5	5078.6	5087.5
32.5°	4907.3	4916.2	4916.2	4934.3	4907.3	4916.2	4916.2	4889.2	4907.3	4916.2	4898.1
35°	4753.8	4708.7	4708.7	4708.7	4708.7	4708.7	4726.8	4699.9	4726.8	4708.7	4708.7
37.5°	4537.4	4492.4	4492.4	4483.2	4528.2	4501.3	4546.3	4510.1	4510.1	4528.2	4528.2
40°	4275.7	4293.8	4266.9	4302.7	4293.8	4257.7	4338.9	4284.9	4320.8	4275.7	4311.9
42.5°	4041.3	4050.2	4041.3	4032.1	4068.3	4059.4	4095.2	4059.4	4050.2	4050.2	4113.3
45°	3788.8	3788.8	3788.8	3815.8	3788.8	3797.7	3833.9	3815.8	3833.9	3824.7	3887.8
47.5°	3581.0	3536.0	3527.1	3581.0	3572.2	3581.0	3581.0	3590.2	3599.1	3581.0	3608.3
50°	3283.5	3265.4	3265.4	3274.6	3283.5	3301.6	3328.5	3346.6	3328.5	3355.8	3364.7
52.5°	2994.8	2976.7	2986.0	3021.8	3039.9	3031.0	3076.0	3084.9	3076.0	3094.1	3094.1
55°	2661.1	2643.0	2670.0	2715.4	2742.3	2769.3	2814.3	2778.5	2814.3	2823.5	2832.4
57.5°	2318.2	2309.3	2318.2	2363.2	2390.5	2453.7	2525.7	2525.7	2561.8	2534.9	2561.8
60°	1939.5	1939.5	1975.6	2002.6	2074.9	2120.0	2191.9	2228.1	2264.3	2300.1	2282.4
62.5°	1578.4	1587.7	1614.6	1677.7	1722.8	1786.2	1867.1	1903.3	1966.4	2002.6	1984.5
65°	1254.0	1254.0	1272.0	1326.0	1371.0	1452.2	1524.5	1605.7	1641.9	1659.7	1668.9
67.5°	938.0	929.1	965.3	1001.5	1046.5	1127.7	1208.9	1254.0	1317.1	1335.2	1326.0
70°	631.6	640.5	658.5	694.7	748.6	811.7	902.2	938.0	974.2	992.2	974.2
72.5°	396.8	396.8	406.0	441.9	478.0	523.1	586.2	622.4	667.4	676.6	658.5
75°	180.5	180.5	198.6	216.3	243.6	279.8	324.8	351.8	378.7	406.0	406.0
77.5°	36.2	45.0	54.3	54.3	72.0	99.3	126.2	153.2	180.5	180.5	180.5
80°	8.9	8.9	8.9	8.9	8.9	8.9	18.1	27.0	45.0	45.0	45.0
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: LX6C130D010 EX6C1309027 6LBCSSQMW

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9	6115.9
2.5°	6115.9	6170.1	6115.9	6088.9	6125.1	6115.9	6088.9	6097.8
5°	6088.9	6107.0	6125.1	6052.8	6097.8	6107.0	6088.9	6070.9
7.5°	6062.0	6070.9	6062.0	6043.9	6043.9	6043.9	6062.0	6062.0
10°	6052.8	6025.8	5980.8	5953.5	5980.8	5980.8	5971.6	6043.9
12.5°	5935.7	5971.6	5944.6	5890.4	5944.6	5935.7	5935.7	5953.5
15°	5845.3	5845.3	5863.4	5791.4	5827.2	5818.4	5818.4	5836.4
17.5°	5755.2	5755.2	5746.0	5727.9	5719.1	5746.0	5719.1	5764.1
20°	5629.0	5647.1	5701.0	5610.9	5637.9	5610.9	5610.9	5556.6
22.5°	5475.4	5565.9	5520.5	5511.6	5502.7	5511.6	5529.7	5466.6
25°	5376.1	5376.1	5394.2	5340.3	5340.3	5358.4	5349.2	5331.1
27.5°	5241.0	5231.8	5222.9	5204.9	5249.9	5214.1	5214.1	5214.1
30°	5051.7	5078.6	5069.7	5024.4	5078.6	5060.5	5033.6	4979.3
32.5°	4889.2	4925.4	4871.2	4862.3	4853.1	4862.3	4871.2	4826.1
35°	4690.6	4699.9	4699.9	4663.7	4672.6	4663.7	4645.6	4654.5
37.5°	4510.1	4501.3	4456.2	4438.2	4447.0	4447.0	4456.2	4438.2
40°	4257.7	4284.9	4284.9	4221.8	4239.6	4221.8	4221.8	4212.6
42.5°	4050.2	4059.4	4032.1	4005.2	4005.2	3996.3	3978.2	3996.3
45°	3833.9	3824.7	3797.7	3770.7	3770.7	3761.5	3743.4	3779.6
47.5°	3590.2	3572.2	3563.3	3527.1	3527.1	3472.9	3482.1	3517.9
50°	3346.6	3328.5	3292.7	3274.6	3247.3	3220.4	3211.5	3211.5
52.5°	3057.9	3057.9	3021.8	2986.0	2976.7	2958.7	2940.6	2949.8
55°	2805.4	2805.4	2778.5	2715.4	2679.2	2634.2	2606.9	2598.0
57.5°	2516.8	2498.7	2444.4	2372.5	2336.3	2300.1	2273.2	2273.2
60°	2228.1	2183.1	2128.8	2065.7	2002.6	1939.5	1921.4	1912.5
62.5°	1912.5	1867.1	1768.2	1695.8	1650.8	1614.6	1578.4	1605.7
65°	1596.5	1533.4	1443.3	1371.0	1326.0	1272.0	1244.7	1244.7
67.5°	1262.8	1199.7	1109.6	1037.3	992.2	956.1	920.3	920.3
70°	929.1	884.1	802.9	739.7	703.6	649.3	640.5	640.5
72.5°	631.6	577.3	514.2	469.2	433.0	396.8	378.7	369.9
75°	351.8	315.6	270.6	243.6	207.5	189.4	171.3	171.3
77.5°	144.3	117.4	90.1	72.0	54.3	45.0	36.2	45.0
80°	27.0	18.1	8.9	8.9	8.9	8.9	8.9	8.9
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)