

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 EX6C1309030 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 EX6C1309030 6LBCSSQMW
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

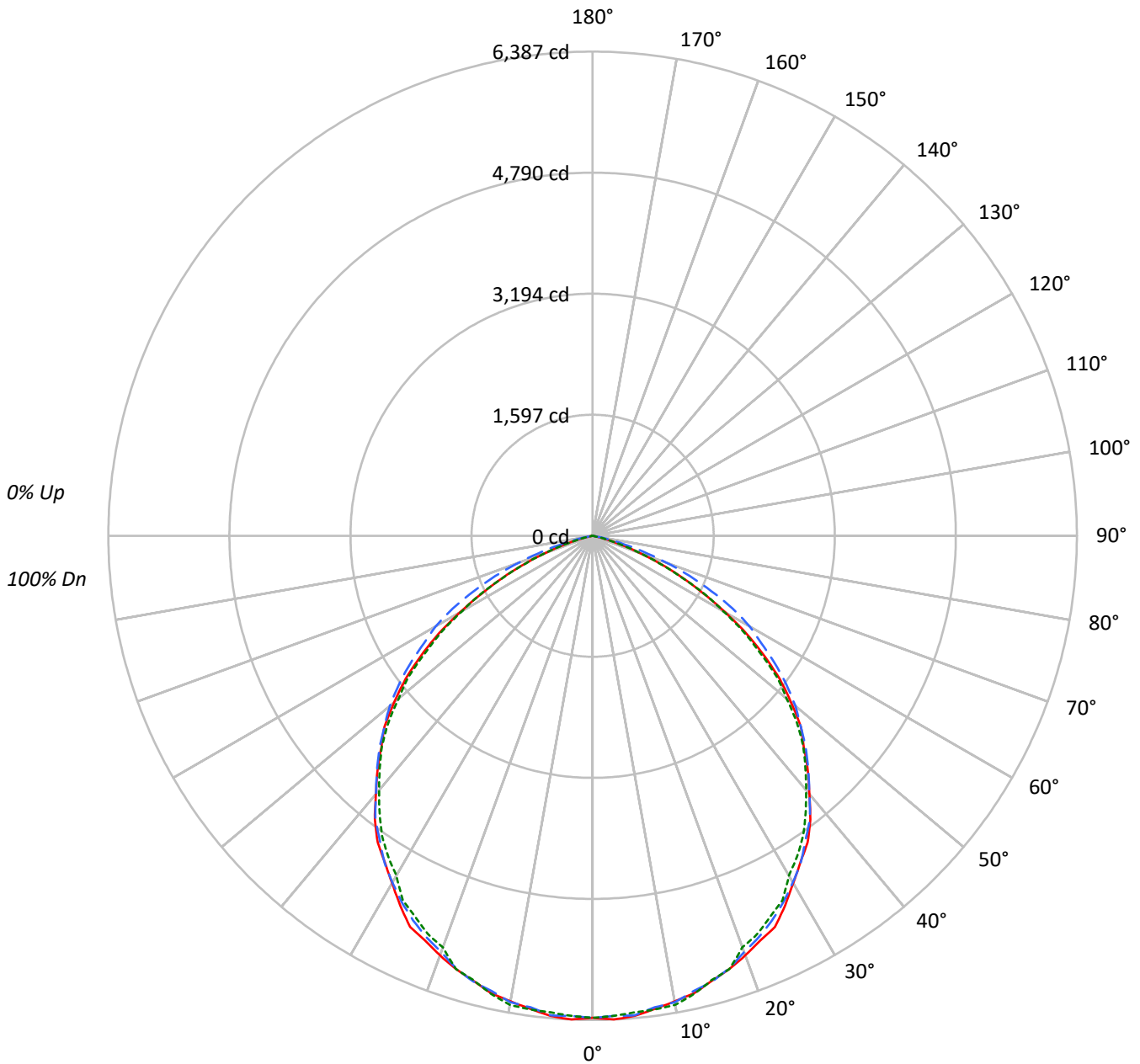
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15352.0 lumens
Efficiency: N/A
Efficacy: 106.4 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

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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°	273774	273774	273774
5°	274819	274422	272797
10°	272676	273083	274727
15°	270893	271321	270483
20°	269855	267711	264705
25°	270441	265995	263315
30°	262970	262513	257377
35°	259779	257319	254354
40°	249854	249854	246167
45°	239857	242123	239273
50°	228666	233703	223649
55°	207683	220362	202759
60°	173635	205927	171224
65°	132819	175791	131841
70°	82657	129864	83828
75°	31225	70235	29628
80°	2281	11604	2281
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.4	3.9
10°-20°	1714.9	11.2
20°-30°	2580.5	16.8
30°-40°	3052.7	19.9
40°-50°	3046.4	19.8
50°-60°	2526.2	16.5
60°-70°	1475.9	9.6
70°-80°	351.5	2.3
80°-90°	2.5	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°	4896.8	31.9
0°-40°	7949.5	51.8
0°-60°	13522.1	88.1
0°-90°	15352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6359	6359	6359	6359	6359	
5°	6359	6326	6349	6331	6312	602
15°	6077	6073	6087	6059	6068	1718
25°	5693	5627	5599	5580	5543	2602
35°	4942	4896	4896	4868	4839	3073
45°	3939	3944	3976	3934	3930	3047
55°	2767	2865	2936	2856	2701	2456
65°	1304	1468	1726	1463	1294	1296
75°	188	272	422	267	178	254
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°	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6
2.5°	6387.0	6349.4	6377.4	6321.4	6358.6	6321.4	6330.6	6311.8	6349.4	6339.8	6330.6
5°	6358.6	6368.2	6349.4	6368.2	6339.8	6311.8	6339.8	6321.4	6265.0	6349.4	6330.6
7.5°	6293.0	6302.6	6283.8	6311.8	6293.0	6255.4	6330.6	6274.2	6265.0	6274.2	6311.8
10°	6236.9	6255.4	6246.2	6236.9	6246.2	6246.2	6227.3	6199.3	6227.3	6246.2	6236.9
12.5°	6180.5	6208.5	6189.7	6171.3	6152.5	6161.7	6180.5	6133.7	6133.7	6152.5	6208.5
15°	6077.3	6096.1	6105.3	6068.1	6068.1	6077.3	6114.9	6039.7	6077.3	6086.9	6096.1
17.5°	5992.9	6002.4	6002.4	5974.1	5992.9	5964.8	5992.9	5955.3	5992.9	5983.6	6002.4
20°	5889.6	5908.4	5889.6	5889.6	5871.2	5880.4	5880.4	5880.4	5852.4	5842.8	5861.6
22.5°	5777.2	5777.2	5758.4	5777.2	5758.4	5749.1	5796.0	5721.1	5796.0	5730.3	5786.7
25°	5692.7	5645.9	5617.9	5608.3	5645.9	5608.3	5627.1	5599.1	5617.9	5599.1	5608.3
27.5°	5495.8	5467.8	5458.2	5467.8	5467.8	5458.2	5495.8	5392.6	5458.2	5449.0	5449.0
30°	5289.4	5289.4	5308.2	5289.4	5308.2	5280.2	5317.8	5233.3	5289.4	5280.2	5289.4
32.5°	5102.1	5111.3	5111.3	5130.1	5102.1	5111.3	5111.3	5083.3	5102.1	5111.3	5092.5
35°	4942.4	4895.6	4895.6	4895.6	4895.6	4895.6	4914.4	4886.4	4914.4	4895.6	4895.6
37.5°	4717.5	4670.7	4670.7	4661.1	4707.9	4679.9	4726.7	4689.1	4689.1	4707.9	4707.9
40°	4445.4	4464.2	4436.2	4473.4	4464.2	4426.6	4511.0	4455.0	4492.2	4445.4	4483.0
42.5°	4201.7	4210.9	4201.7	4192.1	4229.7	4220.5	4257.8	4220.5	4210.9	4210.9	4276.6
45°	3939.2	3939.2	3939.2	3967.2	3939.2	3948.4	3986.0	3967.2	3986.0	3976.4	4042.1
47.5°	3723.1	3676.3	3667.1	3723.1	3713.9	3723.1	3723.1	3732.7	3741.9	3723.1	3751.5
50°	3413.8	3395.0	3395.0	3404.6	3413.8	3432.6	3460.6	3479.4	3460.6	3489.0	3498.2
52.5°	3113.7	3094.9	3104.5	3141.7	3160.5	3151.3	3198.1	3207.3	3198.1	3216.9	3216.9
55°	2766.7	2747.9	2775.9	2823.1	2851.2	2879.2	2926.0	2888.8	2926.0	2935.6	2944.8
57.5°	2410.2	2401.0	2410.2	2457.0	2485.4	2551.0	2625.9	2625.9	2663.5	2635.5	2663.5
60°	2016.4	2016.4	2054.0	2082.1	2157.3	2204.1	2278.9	2316.5	2354.1	2391.4	2372.9
62.5°	1641.1	1650.7	1678.7	1744.3	1791.2	1857.1	1941.2	1978.8	2044.4	2082.1	2063.2
65°	1303.7	1303.7	1322.5	1378.6	1425.4	1509.8	1585.0	1669.5	1707.1	1725.5	1735.1
67.5°	975.2	966.0	1003.6	1041.2	1088.0	1172.5	1256.9	1303.7	1369.3	1388.2	1378.6
70°	656.6	665.9	684.7	722.3	778.3	844.0	938.0	975.2	1012.8	1031.6	1012.8
72.5°	412.6	412.6	422.2	459.4	497.0	543.8	609.5	647.1	693.9	703.5	684.7
75°	187.7	187.7	206.5	224.9	253.3	290.9	337.7	365.8	393.8	422.2	422.2
77.5°	37.6	46.8	56.4	56.4	74.9	103.2	131.3	159.3	187.7	187.7	187.7
80°	9.2	9.2	9.2	9.2	9.2	9.2	18.8	28.0	46.8	46.8	46.8
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°	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6	6358.6
2.5°	6358.6	6415.0	6358.6	6330.6	6368.2	6358.6	6330.6	6339.8
5°	6330.6	6349.4	6368.2	6293.0	6339.8	6349.4	6330.6	6311.8
7.5°	6302.6	6311.8	6302.6	6283.8	6283.8	6283.8	6302.6	6302.6
10°	6293.0	6265.0	6218.1	6189.7	6218.1	6218.1	6208.5	6283.8
12.5°	6171.3	6208.5	6180.5	6124.1	6180.5	6171.3	6171.3	6189.7
15°	6077.3	6077.3	6096.1	6021.2	6058.5	6049.3	6049.3	6068.1
17.5°	5983.6	5983.6	5974.1	5955.3	5946.0	5974.1	5946.0	5992.9
20°	5852.4	5871.2	5927.2	5833.6	5861.6	5833.6	5833.6	5777.2
22.5°	5692.7	5786.7	5739.6	5730.3	5721.1	5730.3	5749.1	5683.5
25°	5589.5	5589.5	5608.3	5552.3	5552.3	5571.1	5561.5	5542.7
27.5°	5449.0	5439.4	5430.2	5411.4	5458.2	5421.0	5421.0	5421.0
30°	5252.1	5280.2	5270.9	5223.8	5280.2	5261.4	5233.3	5176.9
32.5°	5083.3	5120.9	5064.5	5055.2	5045.7	5055.2	5064.5	5017.6
35°	4876.8	4886.4	4886.4	4848.8	4858.0	4848.8	4830.0	4839.2
37.5°	4689.1	4679.9	4633.1	4614.3	4623.5	4623.5	4633.1	4614.3
40°	4426.6	4455.0	4455.0	4389.4	4407.8	4389.4	4389.4	4379.8
42.5°	4210.9	4220.5	4192.1	4164.1	4164.1	4154.9	4136.1	4154.9
45°	3986.0	3976.4	3948.4	3920.4	3920.4	3910.8	3892.0	3929.6
47.5°	3732.7	3713.9	3704.7	3667.1	3667.1	3610.7	3620.3	3657.5
50°	3479.4	3460.6	3423.4	3404.6	3376.2	3348.2	3338.9	3338.9
52.5°	3179.3	3179.3	3141.7	3104.5	3094.9	3076.1	3057.3	3066.8
55°	2916.8	2916.8	2888.8	2823.1	2785.5	2738.7	2710.3	2701.1
57.5°	2616.7	2597.9	2541.5	2466.6	2429.0	2391.4	2363.4	2363.4
60°	2316.5	2269.7	2213.3	2147.7	2082.1	2016.4	1997.6	1988.4
62.5°	1988.4	1941.2	1838.3	1763.1	1716.3	1678.7	1641.1	1669.5
65°	1659.9	1594.3	1500.6	1425.4	1378.6	1322.5	1294.1	1294.1
67.5°	1312.9	1247.3	1153.7	1078.5	1031.6	994.0	956.8	956.8
70°	966.0	919.2	834.7	769.1	731.5	675.1	665.9	665.9
72.5°	656.6	600.2	534.6	487.8	450.2	412.6	393.8	384.6
75°	365.8	328.1	281.3	253.3	215.7	196.9	178.1	178.1
77.5°	150.1	122.0	93.7	74.9	56.4	46.8	37.6	46.8
80°	28.0	18.8	9.2	9.2	9.2	9.2	9.2	9.2
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)