

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 EX6C1309035 6LBPSSQMW**

Issue Date: 2/18/2022



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: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX6C1309035 6LBPSSQMW
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBPSSQ TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

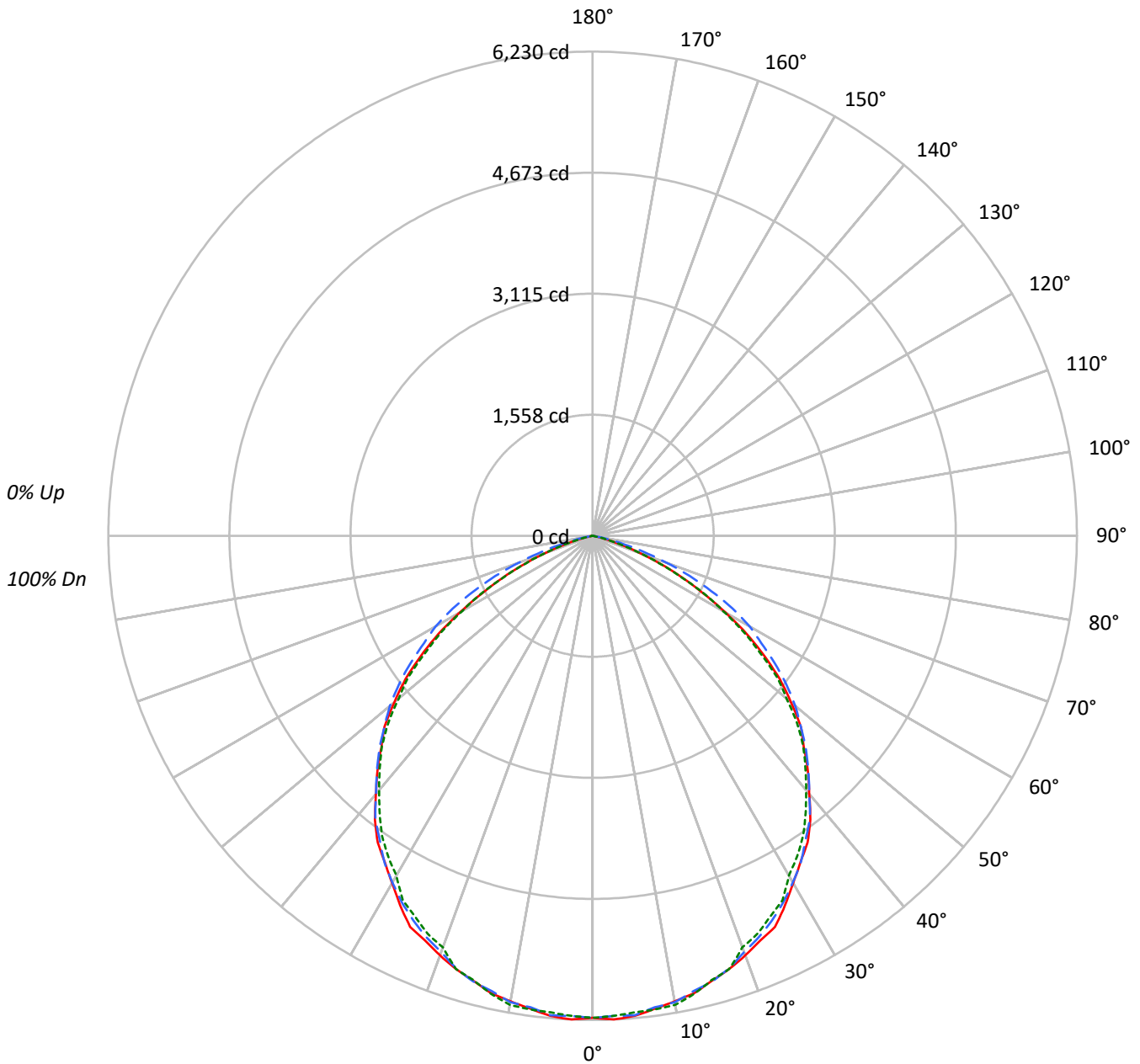
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14974.0 lumens
Efficiency: N/A
Efficacy: 103.8 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				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°	267031	267031	267031
5°	268051	267662	266080
10°	265965	266359	267959
15°	264224	264639	263823
20°	263211	261117	258185
25°	263786	259443	256831
30°	256492	256044	251043
35°	253382	250985	248089
40°	243706	243706	240108
45°	233951	236161	233385
50°	223032	227949	218143
55°	202571	214934	197767
60°	169364	200855	167004
65°	129549	171461	128601
70°	80630	126667	81763
75°	30443	68505	28896
80°	2232	11331	2232
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.6	3.9
10°-20°	1672.7	11.2
20°-30°	2517.0	16.8
30°-40°	2977.5	19.9
40°-50°	2971.4	19.8
50°-60°	2464.0	16.5
60°-70°	1439.6	9.6
70°-80°	342.8	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°	4776.2	31.9
0°-40°	7753.7	51.8
0°-60°	13189.1	88.1
0°-90°	14974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6202	6202	6202	6202	6202	
5°	6202	6170	6193	6175	6156	588
15°	5928	5923	5937	5910	5919	1676
25°	5553	5489	5461	5443	5406	2538
35°	4821	4775	4775	4748	4720	2997
45°	3842	3847	3878	3838	3833	2972
55°	2699	2795	2863	2786	2635	2396
65°	1272	1432	1683	1427	1262	1264
75°	183	265	412	261	174	248
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°	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0
2.5°	6229.7	6193.0	6220.4	6165.7	6202.0	6165.7	6174.7	6156.4	6193.0	6183.7	6174.7
5°	6202.0	6211.4	6193.0	6211.4	6183.7	6156.4	6183.7	6165.7	6110.7	6193.0	6174.7
7.5°	6138.0	6147.4	6129.0	6156.4	6138.0	6101.4	6174.7	6119.7	6110.7	6119.7	6156.4
10°	6083.4	6101.4	6092.4	6083.4	6092.4	6092.4	6074.0	6046.7	6074.0	6092.4	6083.4
12.5°	6028.3	6055.7	6037.3	6019.3	6001.0	6010.0	6028.3	5982.7	5982.7	6001.0	6055.7
15°	5927.7	5946.0	5955.0	5918.7	5918.7	5927.7	5964.3	5891.0	5927.7	5937.0	5946.0
17.5°	5845.3	5854.6	5854.6	5827.0	5845.3	5818.0	5845.3	5808.6	5845.3	5836.3	5854.6
20°	5744.6	5762.9	5744.6	5744.6	5726.6	5735.6	5735.6	5735.6	5708.3	5698.9	5717.3
22.5°	5634.9	5634.9	5616.6	5634.9	5616.6	5607.6	5653.3	5580.2	5653.3	5589.2	5644.3
25°	5552.6	5506.9	5479.6	5470.2	5506.9	5470.2	5488.6	5461.2	5479.6	5461.2	5470.2
27.5°	5360.5	5333.2	5323.8	5333.2	5333.2	5323.8	5360.5	5259.8	5323.8	5314.9	5314.9
30°	5159.1	5159.1	5177.5	5159.1	5177.5	5150.1	5186.8	5104.5	5159.1	5150.1	5159.1
32.5°	4976.4	4985.4	4985.4	5003.8	4976.4	4985.4	4985.4	4958.1	4976.4	4985.4	4967.1
35°	4820.7	4775.1	4775.1	4775.1	4775.1	4775.1	4793.4	4766.1	4793.4	4775.1	4775.1
37.5°	4601.4	4555.7	4555.7	4546.3	4592.0	4564.7	4610.4	4573.7	4573.7	4592.0	4592.0
40°	4336.0	4354.3	4327.0	4363.3	4354.3	4317.6	4400.0	4345.3	4381.6	4336.0	4372.6
42.5°	4098.2	4107.2	4098.2	4088.9	4125.6	4116.6	4152.9	4116.6	4107.2	4107.2	4171.3
45°	3842.2	3842.2	3842.2	3869.5	3842.2	3851.2	3887.9	3869.5	3887.9	3878.5	3942.5
47.5°	3631.5	3585.8	3576.8	3631.5	3622.5	3631.5	3631.5	3640.8	3649.8	3631.5	3659.2
50°	3329.7	3311.4	3311.4	3320.7	3329.7	3348.1	3375.4	3393.8	3375.4	3403.1	3412.1
52.5°	3037.0	3018.7	3028.0	3064.3	3082.7	3073.7	3119.4	3128.4	3119.4	3137.7	3137.7
55°	2698.6	2680.3	2707.6	2753.6	2781.0	2808.3	2854.0	2817.6	2854.0	2863.3	2872.3
57.5°	2350.9	2341.9	2350.9	2396.5	2424.2	2488.2	2561.2	2561.2	2597.9	2570.6	2597.9
60°	1966.8	1966.8	2003.5	2030.8	2104.1	2149.8	2222.8	2259.5	2296.2	2332.5	2314.5
62.5°	1600.7	1610.0	1637.4	1701.4	1747.0	1811.4	1893.4	1930.1	1994.1	2030.8	2012.4
65°	1271.6	1271.6	1290.0	1344.6	1390.3	1472.7	1546.0	1628.4	1665.0	1683.0	1692.4
67.5°	951.2	942.2	978.9	1015.6	1061.2	1143.6	1225.9	1271.6	1335.6	1354.0	1344.6
70°	640.5	649.5	667.8	704.5	759.2	823.2	914.9	951.2	987.9	1006.2	987.9
72.5°	402.4	402.4	411.8	448.1	484.8	530.4	594.5	631.1	676.8	686.2	667.8
75°	183.0	183.0	201.4	219.4	247.1	283.7	329.4	356.7	384.1	411.8	411.8
77.5°	36.7	45.7	55.0	55.0	73.0	100.7	128.0	155.4	183.0	183.0	183.0
80°	9.0	9.0	9.0	9.0	9.0	9.0	18.3	27.3	45.7	45.7	45.7
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°	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0	6202.0
2.5°	6202.0	6257.1	6202.0	6174.7	6211.4	6202.0	6174.7	6183.7
5°	6174.7	6193.0	6211.4	6138.0	6183.7	6193.0	6174.7	6156.4
7.5°	6147.4	6156.4	6147.4	6129.0	6129.0	6129.0	6147.4	6147.4
10°	6138.0	6110.7	6065.0	6037.3	6065.0	6065.0	6055.7	6129.0
12.5°	6019.3	6055.7	6028.3	5973.3	6028.3	6019.3	6019.3	6037.3
15°	5927.7	5927.7	5946.0	5873.0	5909.3	5900.3	5900.3	5918.7
17.5°	5836.3	5836.3	5827.0	5808.6	5799.6	5827.0	5799.6	5845.3
20°	5708.3	5726.6	5781.3	5689.9	5717.3	5689.9	5689.9	5634.9
22.5°	5552.6	5644.3	5598.2	5589.2	5580.2	5589.2	5607.6	5543.6
25°	5451.9	5451.9	5470.2	5415.5	5415.5	5433.9	5424.5	5406.2
27.5°	5314.9	5305.5	5296.5	5278.2	5323.8	5287.5	5287.5	5287.5
30°	5122.8	5150.1	5141.2	5095.1	5150.1	5131.8	5104.5	5049.5
32.5°	4958.1	4994.8	4939.8	4930.8	4921.4	4930.8	4939.8	4894.1
35°	4756.7	4766.1	4766.1	4729.4	4738.4	4729.4	4711.0	4720.0
37.5°	4573.7	4564.7	4519.0	4500.7	4509.7	4509.7	4519.0	4500.7
40°	4317.6	4345.3	4345.3	4281.3	4299.3	4281.3	4281.3	4272.0
42.5°	4107.2	4116.6	4088.9	4061.6	4061.6	4052.6	4034.2	4052.6
45°	3887.9	3878.5	3851.2	3823.9	3823.9	3814.5	3796.2	3832.9
47.5°	3640.8	3622.5	3613.5	3576.8	3576.8	3521.8	3531.1	3567.5
50°	3393.8	3375.4	3339.1	3320.7	3293.1	3265.7	3256.7	3256.7
52.5°	3101.0	3101.0	3064.3	3028.0	3018.7	3000.3	2982.0	2991.3
55°	2845.0	2845.0	2817.6	2753.6	2716.9	2671.3	2643.6	2634.6
57.5°	2552.2	2533.9	2478.9	2405.9	2369.2	2332.5	2305.2	2305.2
60°	2259.5	2213.8	2158.8	2094.8	2030.8	1966.8	1948.4	1939.4
62.5°	1939.4	1893.4	1793.1	1719.7	1674.0	1637.4	1600.7	1628.4
65°	1619.0	1555.0	1463.7	1390.3	1344.6	1290.0	1262.3	1262.3
67.5°	1280.6	1216.6	1125.3	1051.9	1006.2	969.5	933.2	933.2
70°	942.2	896.5	814.2	750.2	713.5	658.5	649.5	649.5
72.5°	640.5	585.5	521.5	475.8	439.1	402.4	384.1	375.1
75°	356.7	320.1	274.4	247.1	210.4	192.0	173.7	173.7
77.5°	146.4	119.0	91.3	73.0	55.0	45.7	36.7	45.7
80°	27.3	18.3	9.0	9.0	9.0	9.0	9.0	9.0
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)