

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 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: LX6C130D010 EX6C1309030 6LBCSSQMMS
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBCSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

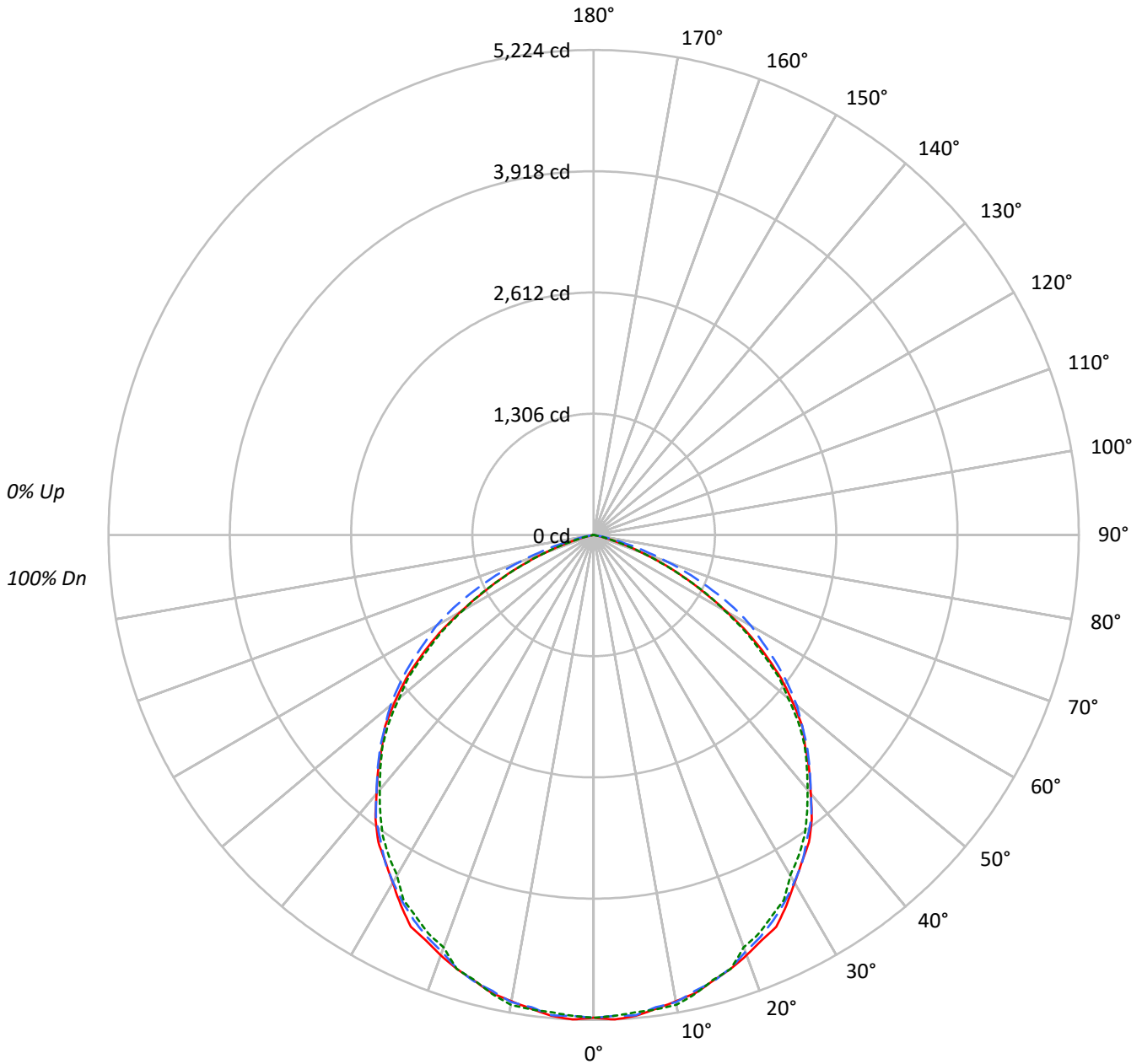
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12557.0 lumens
Efficiency: N/A
Efficacy: 87.0 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°	223932	223932	223932
5°	224788	224459	223133
10°	223033	223365	224707
15°	221575	221923	221237
20°	220728	218973	216513
25°	221205	217566	215376
30°	215093	214715	210519
35°	212484	210471	208048
40°	204368	204368	201349
45°	196187	198044	195712
50°	187036	191155	182936
55°	169873	180239	165842
60°	142023	168434	140051
65°	108643	143791	107838
70°	67614	106223	68558
75°	25535	57442	24238
80°	1860	9496	1860
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.9	3.9
10°-20°	1402.7	11.2
20°-30°	2110.7	16.8
30°-40°	2496.9	19.9
40°-50°	2491.8	19.8
50°-60°	2066.3	16.5
60°-70°	1207.2	9.6
70°-80°	287.5	2.3
80°-90°	2.1	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°	4005.3	31.9
0°-40°	6502.2	51.8
0°-60°	11060.2	88.1
0°-90°	12557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5201	5201	5201	5201	5201	
5°	5201	5174	5193	5178	5163	493
15°	4971	4967	4979	4956	4963	1405
25°	4656	4603	4580	4564	4534	2128
35°	4043	4004	4004	3981	3958	2513
45°	3222	3226	3252	3218	3214	2492
55°	2263	2344	2401	2336	2209	2009
65°	1066	1200	1411	1197	1058	1060
75°	154	223	345	219	146	208
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°	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0
2.5°	5224.2	5193.4	5216.3	5170.5	5201.0	5170.5	5178.0	5162.7	5193.4	5185.6	5178.0
5°	5201.0	5208.8	5193.4	5208.8	5185.6	5162.7	5185.6	5170.5	5124.3	5193.4	5178.0
7.5°	5147.3	5155.1	5139.7	5162.7	5147.3	5116.5	5178.0	5131.9	5124.3	5131.9	5162.7
10°	5101.4	5116.5	5109.0	5101.4	5109.0	5109.0	5093.6	5070.7	5093.6	5109.0	5101.4
12.5°	5055.3	5078.2	5062.8	5047.7	5032.4	5039.9	5055.3	5017.0	5017.0	5032.4	5078.2
15°	4970.9	4986.2	4993.8	4963.3	4963.3	4970.9	5001.6	4940.1	4970.9	4978.7	4986.2
17.5°	4901.8	4909.6	4909.6	4886.4	4901.8	4878.9	4901.8	4871.0	4901.8	4894.2	4909.6
20°	4817.4	4832.7	4817.4	4817.4	4802.3	4809.8	4809.8	4809.8	4786.9	4779.1	4794.4
22.5°	4725.4	4725.4	4710.0	4725.4	4710.0	4702.4	4740.7	4679.5	4740.7	4687.1	4733.2
25°	4656.3	4618.0	4595.1	4587.3	4618.0	4587.3	4602.6	4579.7	4595.1	4579.7	4587.3
27.5°	4495.3	4472.3	4464.5	4472.3	4472.3	4464.5	4495.3	4410.8	4464.5	4457.0	4457.0
30°	4326.4	4326.4	4341.8	4326.4	4341.8	4318.8	4349.6	4280.5	4326.4	4318.8	4326.4
32.5°	4173.2	4180.7	4180.7	4196.1	4173.2	4180.7	4180.7	4157.8	4173.2	4180.7	4165.3
35°	4042.6	4004.3	4004.3	4004.3	4004.3	4004.3	4019.7	3996.8	4019.7	4004.3	4004.3
37.5°	3858.6	3820.3	3820.3	3812.5	3850.8	3827.9	3866.2	3835.4	3835.4	3850.8	3850.8
40°	3636.1	3651.5	3628.5	3659.0	3651.5	3620.7	3689.8	3643.9	3674.4	3636.1	3666.8
42.5°	3436.7	3444.3	3436.7	3428.9	3459.7	3452.1	3482.6	3452.1	3444.3	3444.3	3498.0
45°	3222.0	3222.0	3222.0	3244.9	3222.0	3229.6	3260.3	3244.9	3260.3	3252.5	3306.2
47.5°	3045.3	3007.0	2999.5	3045.3	3037.8	3045.3	3045.3	3053.1	3060.7	3045.3	3068.5
50°	2792.3	2776.9	2776.9	2784.7	2792.3	2807.7	2830.6	2846.0	2830.6	2853.8	2861.3
52.5°	2546.8	2531.4	2539.3	2569.7	2585.1	2577.6	2615.9	2623.4	2615.9	2631.2	2631.2
55°	2263.0	2247.6	2270.6	2309.1	2332.1	2355.0	2393.3	2362.8	2393.3	2401.1	2408.7
57.5°	1971.4	1963.9	1971.4	2009.7	2032.9	2086.6	2147.8	2147.8	2178.6	2155.7	2178.6
60°	1649.3	1649.3	1680.1	1703.0	1764.5	1802.8	1864.0	1894.8	1925.5	1956.0	1940.9
62.5°	1342.3	1350.1	1373.1	1426.8	1465.1	1519.0	1587.8	1618.6	1672.2	1703.0	1687.6
65°	1066.4	1066.4	1081.7	1127.6	1165.9	1235.0	1296.5	1365.5	1396.3	1411.4	1419.2
67.5°	797.7	790.1	820.9	851.6	889.9	959.0	1028.1	1066.4	1120.0	1135.4	1127.6
70°	537.1	544.6	560.0	590.8	636.6	690.3	767.2	797.7	828.4	843.8	828.4
72.5°	337.5	337.5	345.3	375.8	406.5	444.8	498.5	529.3	567.6	575.4	560.0
75°	153.5	153.5	168.9	184.0	207.2	237.9	276.2	299.2	322.1	345.3	345.3
77.5°	30.8	38.3	46.1	46.1	61.2	84.4	107.4	130.3	153.5	153.5	153.5
80°	7.5	7.5	7.5	7.5	7.5	7.5	15.4	22.9	38.3	38.3	38.3
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°	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0	5201.0
2.5°	5201.0	5247.1	5201.0	5178.0	5208.8	5201.0	5178.0	5185.6
5°	5178.0	5193.4	5208.8	5147.3	5185.6	5193.4	5178.0	5162.7
7.5°	5155.1	5162.7	5155.1	5139.7	5139.7	5139.7	5155.1	5155.1
10°	5147.3	5124.3	5086.0	5062.8	5086.0	5086.0	5078.2	5139.7
12.5°	5047.7	5078.2	5055.3	5009.2	5055.3	5047.7	5047.7	5062.8
15°	4970.9	4970.9	4986.2	4925.0	4955.5	4947.9	4947.9	4963.3
17.5°	4894.2	4894.2	4886.4	4871.0	4863.5	4886.4	4863.5	4901.8
20°	4786.9	4802.3	4848.1	4771.5	4794.4	4771.5	4771.5	4725.4
22.5°	4656.3	4733.2	4694.6	4687.1	4679.5	4687.1	4702.4	4648.8
25°	4571.9	4571.9	4587.3	4541.4	4541.4	4556.8	4548.9	4533.6
27.5°	4457.0	4449.1	4441.6	4426.2	4464.5	4434.0	4434.0	4434.0
30°	4295.9	4318.8	4311.3	4272.7	4318.8	4303.5	4280.5	4234.4
32.5°	4157.8	4188.6	4142.4	4134.9	4127.0	4134.9	4142.4	4104.1
35°	3988.9	3996.8	3996.8	3966.0	3973.5	3966.0	3950.6	3958.2
37.5°	3835.4	3827.9	3789.6	3774.2	3781.7	3781.7	3789.6	3774.2
40°	3620.7	3643.9	3643.9	3590.2	3605.3	3590.2	3590.2	3582.4
42.5°	3444.3	3452.1	3428.9	3406.0	3406.0	3398.4	3383.1	3398.4
45°	3260.3	3252.5	3229.6	3206.6	3206.6	3198.8	3183.4	3214.2
47.5°	3053.1	3037.8	3030.2	2999.5	2999.5	2953.3	2961.2	2991.6
50°	2846.0	2830.6	2800.1	2784.7	2761.5	2738.6	2731.1	2731.1
52.5°	2600.5	2600.5	2569.7	2539.3	2531.4	2516.0	2500.7	2508.5
55°	2385.8	2385.8	2362.8	2309.1	2278.4	2240.1	2216.9	2209.3
57.5°	2140.3	2124.9	2078.8	2017.5	1986.8	1956.0	1933.1	1933.1
60°	1894.8	1856.5	1810.4	1756.7	1703.0	1649.3	1633.9	1626.4
62.5°	1626.4	1587.8	1503.6	1442.1	1403.8	1373.1	1342.3	1365.5
65°	1357.7	1304.0	1227.4	1165.9	1127.6	1081.7	1058.5	1058.5
67.5°	1073.9	1020.2	943.6	882.1	843.8	813.0	782.6	782.6
70°	790.1	751.8	682.8	629.1	598.3	552.2	544.6	544.6
72.5°	537.1	491.0	437.3	399.0	368.2	337.5	322.1	314.5
75°	299.2	268.4	230.1	207.2	176.4	161.0	145.7	145.7
77.5°	122.7	99.8	76.6	61.2	46.1	38.3	30.8	38.3
80°	22.9	15.4	7.5	7.5	7.5	7.5	7.5	7.5
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)