

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: **LX6C10D010 EX6C109050 6LBSQLI**

Issue Date: 3/23/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)
Test Lab: INNOVATION CENTER
Issue Date: 3/23/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C10D010 EX6C109050 6LBSQLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

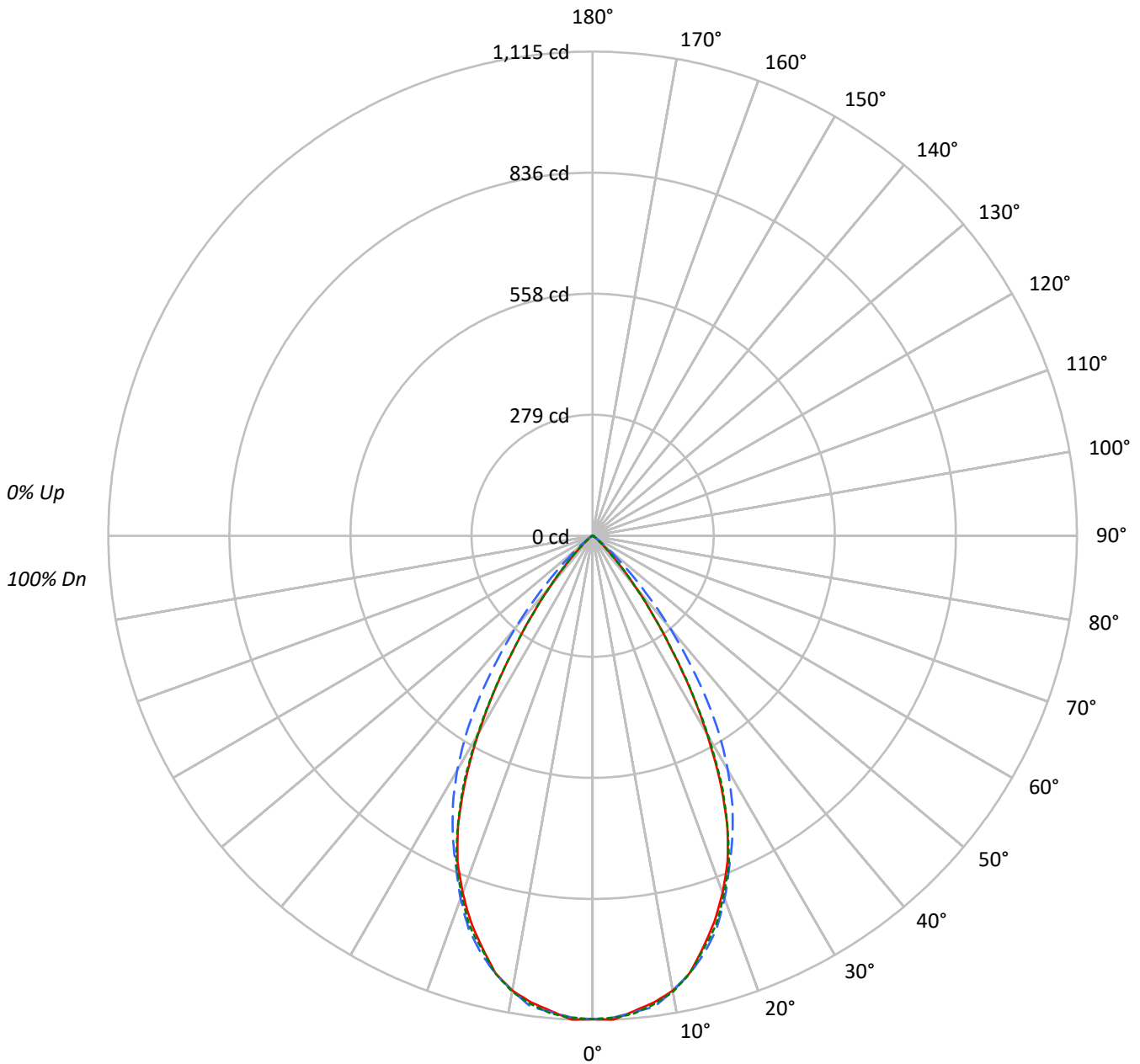
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1046.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53																			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	47925	47925	47925
5°	47473	47594	47715
10°	46487	46487	46610
15°	43768	44329	43924
20°	40073	40719	40362
25°	34822	36186	34856
30°	26186	30963	26434
35°	16257	23852	16331
40°	8554	15535	8515
45°	3544	7770	3629
50°	1360	2914	1360
55°	736	893	683
60°	482	422	482
65°	285	285	285
70°	176	264	176
75°	116	116	116
80°	174	174	174
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	10.0
10°-20°	277.2	26.5
20°-30°	340.2	32.5
30°-40°	234.9	22.5
40°-50°	73.4	7.0
50°-60°	11.5	1.1
60°-70°	3.3	0.3
70°-80°	1.1	0.1
80°-90°	0.2	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°	721.6	69.0
0°-40°	956.5	91.4
0°-60°	1041.3	99.6
0°-90°	1046.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1046.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1113	1113	1113	1113	1113	
5°	1098	1103	1101	1102	1104	104
15°	982	996	994	993	985	275
25°	733	752	762	757	734	328
35°	309	366	454	369	311	198
45°	58	80	128	79	60	52
55°	10	10	12	10	9	10
65°	3	4	3	4	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1
2.5°	1115.2	1099.8	1109.6	1107.5	1113.1	1116.6	1113.1	1119.4	1115.2	1110.3	1111.7
5°	1098.4	1100.5	1099.8	1101.2	1102.6	1102.6	1109.6	1110.3	1111.7	1101.2	1104.0
7.5°	1083.6	1083.6	1087.2	1085.7	1090.7	1089.3	1090.0	1095.5	1096.2	1093.4	1091.4
10°	1063.3	1060.5	1057.0	1057.0	1063.3	1064.0	1069.6	1070.3	1074.5	1063.3	1064.7
12.5°	1031.8	1030.3	1024.7	1027.5	1032.4	1029.6	1038.7	1039.4	1038.0	1033.1	1035.9
15°	981.9	987.6	986.1	985.4	996.6	995.2	994.5	996.6	997.3	994.5	992.5
17.5°	932.2	937.0	937.7	939.1	941.2	943.4	946.2	953.9	951.1	949.0	956.0
20°	874.6	872.5	878.1	883.7	885.8	885.8	890.1	895.6	891.5	888.7	889.4
22.5°	812.2	815.7	812.9	818.5	821.3	824.8	829.0	834.0	830.4	822.7	831.9
25°	733.0	735.1	744.2	743.5	747.7	756.1	762.4	762.4	762.4	761.7	761.7
27.5°	633.4	632.0	643.2	650.9	661.4	674.7	683.1	696.5	698.6	696.5	691.6
30°	526.7	525.3	539.3	549.2	568.1	574.5	597.6	610.2	623.5	622.8	619.3
32.5°	415.9	418.7	430.0	444.0	459.4	479.0	500.8	528.8	540.8	543.6	537.2
35°	309.3	313.5	324.0	336.0	354.9	376.7	406.8	433.5	453.8	453.8	448.9
37.5°	223.0	224.4	234.3	242.0	261.6	281.2	307.2	343.7	356.3	361.2	356.3
40°	152.2	152.2	157.8	166.2	182.3	199.2	223.0	250.4	268.6	276.4	267.9
42.5°	96.8	98.2	102.4	108.0	119.9	134.7	152.9	173.3	186.6	192.2	184.5
45°	58.2	59.6	63.1	67.3	75.1	84.2	96.8	111.5	122.7	127.6	124.1
47.5°	35.1	36.5	37.9	40.7	46.3	52.6	58.9	67.3	74.4	75.1	73.7
50°	20.3	20.3	21.7	23.8	26.6	30.2	33.7	38.6	40.7	43.5	40.7
52.5°	13.3	13.3	13.3	14.0	15.4	16.9	18.3	21.0	22.4	22.4	21.7
55°	9.8	9.8	9.8	9.8	10.5	10.5	10.5	11.2	11.9	11.9	11.9
57.5°	7.0	7.0	7.0	7.7	7.7	7.7	7.0	7.0	7.0	7.0	7.0
60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	4.9	4.9	4.9
62.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
65°	2.8	2.8	2.8	3.5	3.5	3.5	3.5	2.8	2.8	2.8	2.8
67.5°	2.1	2.1	2.1	2.8	2.8	2.8	2.8	2.8	2.1	2.1	2.1
70°	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1	1113.1
2.5°	1115.9	1112.4	1112.4	1112.4	1111.0	1112.4	1114.5	1111.0
5°	1104.0	1105.4	1099.1	1104.0	1106.1	1102.6	1111.0	1104.0
7.5°	1093.4	1091.4	1081.5	1088.6	1092.8	1094.1	1093.4	1087.9
10°	1072.4	1067.5	1063.3	1063.3	1061.9	1061.2	1068.9	1066.1
12.5°	1034.5	1038.0	1031.8	1035.2	1032.4	1033.1	1033.8	1032.4
15°	1002.3	998.8	990.4	995.9	992.5	989.0	995.9	985.4
17.5°	951.8	951.1	946.2	942.7	944.1	943.4	946.9	942.0
20°	892.2	893.6	890.8	889.4	887.3	882.3	886.6	880.9
22.5°	827.6	829.0	831.9	826.2	826.9	819.9	826.2	819.9
25°	762.4	761.7	758.2	755.4	747.7	739.9	738.5	733.7
27.5°	690.9	686.0	677.5	668.4	656.5	646.0	645.3	641.8
30°	612.3	601.8	586.4	571.6	553.4	537.2	537.2	531.7
32.5°	529.6	505.7	484.6	466.4	442.6	433.5	424.3	419.4
35°	430.7	409.6	384.3	354.2	343.0	320.5	321.9	310.7
37.5°	337.4	311.4	287.6	263.0	243.4	232.9	227.2	221.6
40°	250.4	225.1	199.2	183.0	165.5	156.4	152.9	151.5
42.5°	171.1	150.1	133.3	119.9	110.8	101.0	98.2	96.8
45°	111.5	99.6	84.2	73.7	67.3	61.7	61.7	59.6
47.5°	66.6	58.9	51.2	44.2	40.0	36.5	35.1	34.4
50°	37.2	33.0	28.8	25.9	23.1	21.0	20.3	20.3
52.5°	20.3	18.3	16.9	14.7	13.3	13.3	13.3	12.6
55°	10.5	10.5	10.5	10.5	9.8	9.8	9.8	9.1
57.5°	7.0	7.0	7.7	7.7	7.7	7.0	7.0	7.0
60°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
65°	2.8	3.5	3.5	3.5	3.5	2.8	2.8	2.8
67.5°	2.1	2.8	2.8	2.8	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	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)