

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 EX6C109035 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 EX6C109035 6LBSQLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

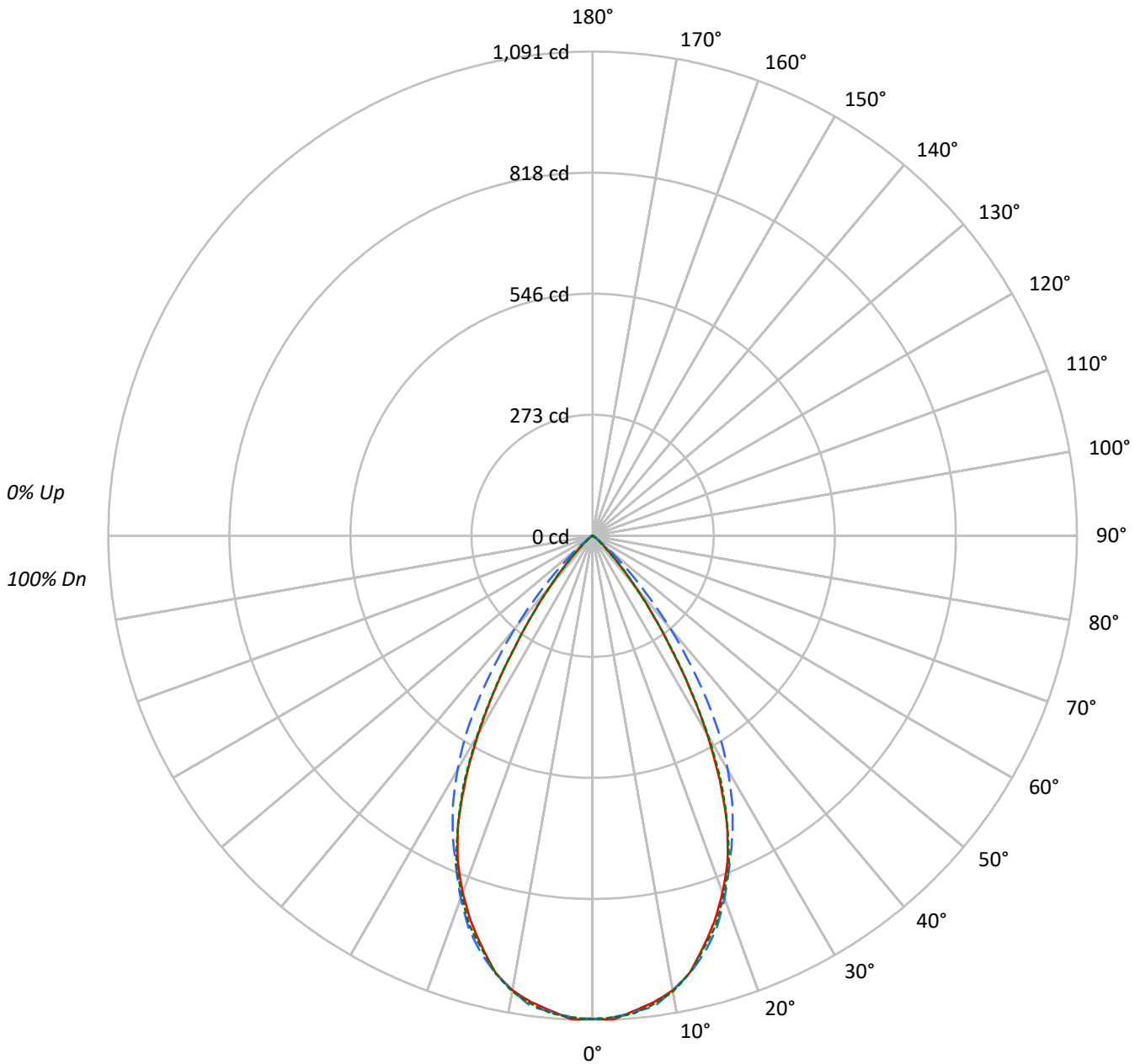
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1023.0 lumens
Efficiency: N/A
Efficacy: 104.4 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

TEST NUMBER: P#
CATALOG NUMBER: LX6C10D010 EX6C109035 6LBSQLI

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°	46870	46870	46870
5°	46427	46548	46665
10°	45464	45464	45587
15°	42805	43358	42961
20°	39193	39821	39478
25°	34053	35388	34086
30°	25609	30282	25853
35°	15900	23327	15973
40°	8369	15192	8330
45°	3465	7599	3550
50°	1333	2847	1333
55°	721	878	668
60°	474	413	474
65°	275	275	275
70°	176	252	176
75°	116	116	116
80°	174	174	174
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	10.0
10°-20°	271.1	26.5
20°-30°	332.7	32.5
30°-40°	229.7	22.5
40°-50°	71.8	7.0
50°-60°	11.2	1.1
60°-70°	3.2	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°	705.7	69.0
0°-40°	935.4	91.4
0°-60°	1018.5	99.6
0°-90°	1023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1074	1078	1077	1077	1080	102
15°	960	974	973	971	964	269
25°	717	735	745	740	718	321
35°	302	358	444	361	304	193
45°	57	78	125	77	58	51
55°	10	10	12	10	9	9
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
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°	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6
2.5°	1090.7	1075.6	1085.2	1083.1	1088.6	1092.0	1088.6	1094.8	1090.7	1085.9	1087.3
5°	1074.2	1076.3	1075.6	1077.0	1078.3	1078.3	1085.2	1085.9	1087.3	1077.0	1079.7
7.5°	1059.8	1059.8	1063.3	1061.8	1066.7	1065.3	1066.0	1071.5	1072.1	1069.4	1067.4
10°	1039.9	1037.2	1033.7	1033.7	1039.9	1040.6	1046.1	1046.8	1050.9	1039.9	1041.3
12.5°	1009.1	1007.7	1002.2	1004.9	1009.7	1007.0	1015.9	1016.6	1015.2	1010.4	1013.2
15°	960.3	965.8	964.4	963.8	974.7	973.4	972.7	974.7	975.4	972.7	970.6
17.5°	911.7	916.4	917.1	918.5	920.5	922.6	925.4	932.9	930.1	928.1	935.0
20°	855.4	853.3	858.8	864.3	866.3	866.3	870.5	876.0	871.9	869.1	869.8
22.5°	794.3	797.8	795.0	800.5	803.3	806.7	810.8	815.6	812.2	804.6	813.6
25°	716.8	718.9	727.8	727.1	731.2	739.5	745.6	745.6	745.6	744.9	744.9
27.5°	619.4	618.1	629.0	636.6	646.8	659.9	668.1	681.1	683.2	681.1	676.4
30°	515.1	513.8	527.5	537.1	555.6	561.8	584.5	596.8	609.8	609.1	605.7
32.5°	406.8	409.5	420.5	434.2	449.3	468.5	489.8	517.2	528.9	531.6	525.4
35°	302.5	306.6	316.9	328.6	347.1	368.4	397.8	423.9	443.8	443.8	439.0
37.5°	218.1	219.5	229.1	236.7	255.8	275.1	300.5	336.1	348.5	353.3	348.5
40°	148.9	148.9	154.3	162.6	178.3	194.8	218.1	244.9	262.7	270.3	262.0
42.5°	94.7	96.0	100.1	105.7	117.3	131.7	149.6	169.5	182.5	187.9	180.4
45°	56.9	58.3	61.8	65.9	73.4	82.3	94.7	109.1	120.0	124.8	121.4
47.5°	34.3	35.7	37.0	39.8	45.3	51.5	57.6	65.9	72.7	73.4	72.0
50°	19.9	19.9	21.3	23.3	26.0	29.5	32.9	37.7	39.8	42.5	39.8
52.5°	13.0	13.0	13.0	13.7	15.1	16.5	17.9	20.6	22.0	22.0	21.3
55°	9.6	9.6	9.6	9.6	10.3	10.3	10.3	11.0	11.7	11.7	11.7
57.5°	6.9	6.9	6.9	7.6	7.6	7.6	6.9	6.9	6.9	6.9	6.9
60°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.8	4.8	4.8
62.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
65°	2.7	2.7	2.7	3.4	3.4	3.4	3.4	2.7	2.7	2.7	2.7
67.5°	2.0	2.0	2.0	2.7	2.7	2.7	2.7	2.7	2.0	2.0	2.0
70°	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6	1088.6
2.5°	1091.4	1087.9	1087.9	1087.9	1086.6	1087.9	1090.0	1086.6
5°	1079.7	1081.1	1074.9	1079.7	1081.7	1078.3	1086.6	1079.7
7.5°	1069.4	1067.4	1057.7	1064.6	1068.7	1070.1	1069.4	1063.9
10°	1048.8	1044.0	1039.9	1039.9	1038.5	1037.8	1045.4	1042.7
12.5°	1011.8	1015.2	1009.1	1012.5	1009.7	1010.4	1011.1	1009.7
15°	980.2	976.8	968.6	974.0	970.6	967.2	974.0	963.8
17.5°	930.8	930.1	925.4	921.9	923.3	922.6	926.0	921.3
20°	872.5	873.9	871.2	869.8	867.8	862.9	867.1	861.6
22.5°	809.4	810.8	813.6	808.1	808.7	801.9	808.1	801.9
25°	745.6	744.9	741.5	738.8	731.2	723.7	722.3	717.5
27.5°	675.7	670.9	662.6	653.7	642.1	631.8	631.1	627.7
30°	598.8	588.6	573.5	559.0	541.2	525.4	525.4	520.0
32.5°	517.9	494.6	474.0	456.2	432.9	423.9	415.0	410.2
35°	421.2	400.6	375.9	346.4	335.4	313.5	314.9	303.9
37.5°	329.9	304.6	281.3	257.3	238.0	227.7	222.2	216.8
40°	244.9	220.2	194.8	179.0	161.9	153.0	149.6	148.2
42.5°	167.4	146.8	130.3	117.3	108.4	98.8	96.0	94.7
45°	109.1	97.4	82.3	72.0	65.9	60.4	60.4	58.3
47.5°	65.2	57.6	50.1	43.2	39.1	35.7	34.3	33.6
50°	36.3	32.2	28.1	25.4	22.6	20.6	19.9	19.9
52.5°	19.9	17.9	16.5	14.4	13.0	13.0	13.0	12.3
55°	10.3	10.3	10.3	10.3	9.6	9.6	9.6	8.9
57.5°	6.9	6.9	7.6	7.6	7.6	6.9	6.9	6.9
60°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
62.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
65°	2.7	3.4	3.4	3.4	3.4	2.7	2.7	2.7
67.5°	2.0	2.7	2.7	2.7	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	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)