

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 EX6C109030 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 EX6C109030 6LBSQLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

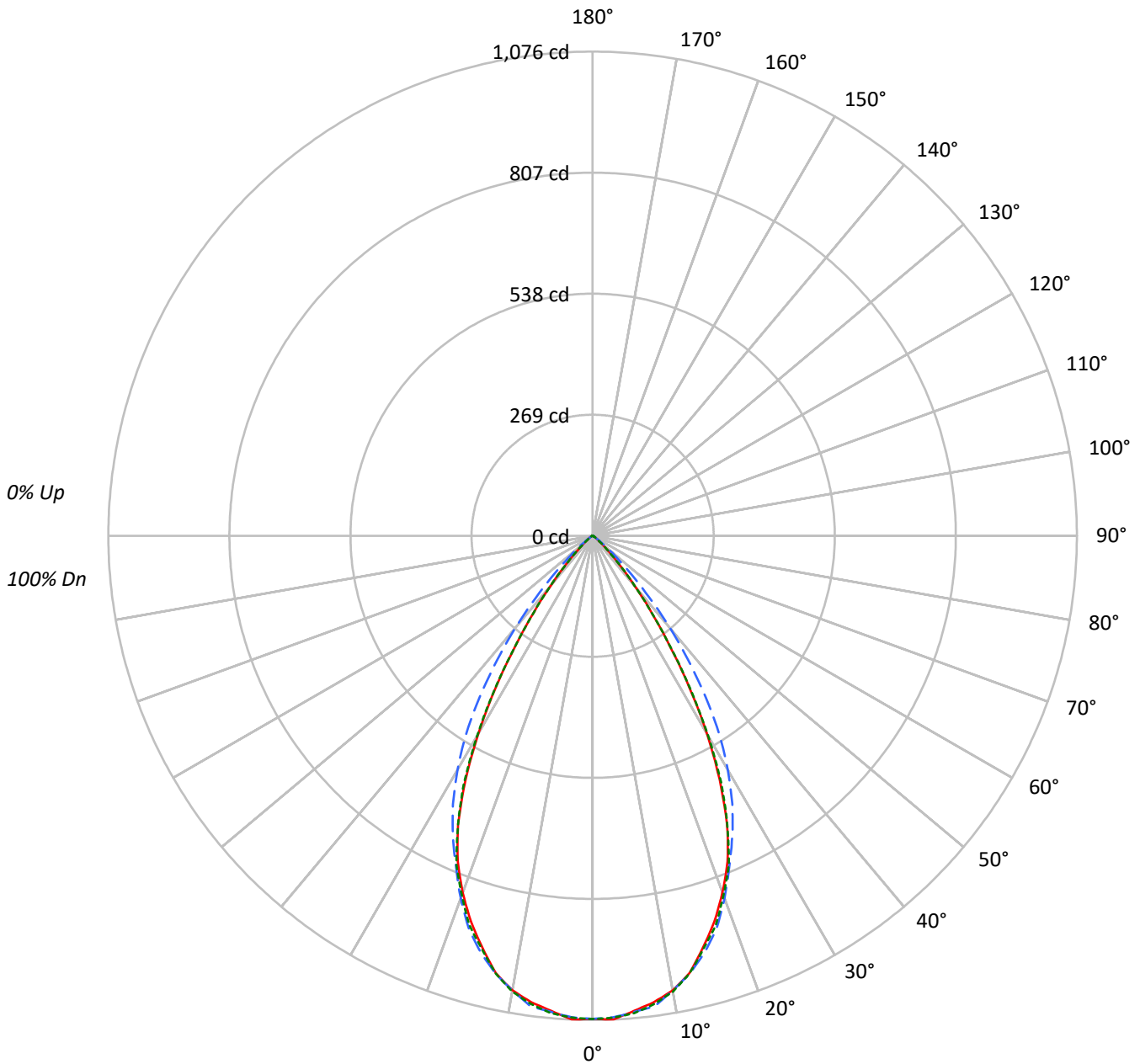
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1009.0 lumens
Efficiency: N/A
Efficacy: 103.0 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°	46229	46229	46229
5°	45792	45908	46025
10°	44843	44843	44962
15°	42221	42765	42373
20°	38657	39276	38937
25°	33587	34903	33620
30°	25261	29870	25500
35°	15684	23011	15753
40°	8251	14984	8217
45°	3416	7496	3501
50°	1313	2813	1313
55°	713	863	661
60°	465	405	465
65°	275	275	275
70°	164	252	164
75°	116	116	116
80°	174	174	174
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	10.0
10°-20°	267.4	26.5
20°-30°	328.2	32.5
30°-40°	226.5	22.5
40°-50°	70.8	7.0
50°-60°	11.1	1.1
60°-70°	3.2	0.3
70°-80°	1.0	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°	696.1	69.0
0°-40°	922.6	91.4
0°-60°	1004.5	99.6
0°-90°	1009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1074	1074	1074	1074	1074	
5°	1060	1064	1062	1063	1065	100
15°	947	961	959	958	951	265
25°	707	725	735	730	708	317
35°	298	353	438	356	300	191
45°	56	77	123	76	58	50
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°	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7
2.5°	1075.7	1060.9	1070.4	1068.3	1073.7	1077.1	1073.7	1079.8	1075.7	1071.0	1072.4
5°	1059.5	1061.6	1060.9	1062.2	1063.6	1063.6	1070.4	1071.0	1072.4	1062.2	1064.9
7.5°	1045.3	1045.3	1048.7	1047.3	1052.1	1050.7	1051.4	1056.8	1057.5	1054.8	1052.7
10°	1025.7	1023.0	1019.6	1019.6	1025.7	1026.3	1031.8	1032.4	1036.5	1025.7	1027.1
12.5°	995.3	993.9	988.5	991.2	995.9	993.2	1002.0	1002.7	1001.3	996.6	999.3
15°	947.2	952.6	951.2	950.6	961.4	960.0	959.4	961.4	962.1	959.4	957.3
17.5°	899.2	903.9	904.6	905.9	907.9	910.0	912.7	920.2	917.4	915.4	922.2
20°	843.7	841.6	847.1	852.5	854.5	854.5	858.6	864.0	859.9	857.2	857.9
22.5°	783.5	786.8	784.1	789.5	792.3	795.6	799.7	804.5	801.0	793.6	802.4
25°	707.0	709.0	717.9	717.2	721.2	729.4	735.4	735.4	735.4	734.7	734.7
27.5°	611.0	609.6	620.4	627.8	638.0	650.9	659.0	671.8	673.9	671.8	667.1
30°	508.1	506.7	520.3	529.7	548.0	554.1	576.5	588.6	601.5	600.8	597.4
32.5°	401.2	403.9	414.8	428.3	443.1	462.1	483.1	510.1	521.7	524.4	518.2
35°	298.4	302.4	312.6	324.1	342.4	363.3	392.4	418.1	437.8	437.8	433.0
37.5°	215.1	216.5	226.0	233.4	252.3	271.3	296.4	331.5	343.7	348.4	343.7
40°	146.8	146.8	152.2	160.4	175.9	192.2	215.1	241.5	259.1	266.6	258.4
42.5°	93.4	94.7	98.8	104.2	115.7	129.9	147.5	167.1	180.0	185.4	178.0
45°	56.1	57.5	60.9	64.9	72.4	81.2	93.4	107.6	118.4	123.1	119.7
47.5°	33.8	35.2	36.5	39.3	44.6	50.8	56.8	64.9	71.7	72.4	71.1
50°	19.6	19.6	21.0	23.0	25.7	29.1	32.5	37.2	39.3	42.0	39.3
52.5°	12.8	12.8	12.8	13.5	14.9	16.3	17.6	20.3	21.6	21.6	21.0
55°	9.5	9.5	9.5	9.5	10.2	10.2	10.2	10.8	11.5	11.5	11.5
57.5°	6.8	6.8	6.8	7.5	7.5	7.5	6.8	6.8	6.8	6.8	6.8
60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.7	4.7	4.7
62.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
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°	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7	1073.7
2.5°	1076.4	1073.1	1073.1	1073.1	1071.7	1073.1	1075.1	1071.7
5°	1064.9	1066.3	1060.2	1064.9	1066.9	1063.6	1071.7	1064.9
7.5°	1054.8	1052.7	1043.3	1050.1	1054.1	1055.4	1054.8	1049.4
10°	1034.5	1029.8	1025.7	1025.7	1024.3	1023.6	1031.1	1028.4
12.5°	998.0	1001.3	995.3	998.6	995.9	996.6	997.3	995.9
15°	966.8	963.5	955.3	960.7	957.3	954.0	960.7	950.6
17.5°	918.1	917.4	912.7	909.3	910.7	910.0	913.4	908.7
20°	860.6	861.9	859.2	857.9	855.9	851.1	855.2	849.8
22.5°	798.3	799.7	802.4	797.0	797.7	790.9	797.0	790.9
25°	735.4	734.7	731.4	728.7	721.2	713.8	712.4	707.7
27.5°	666.4	661.7	653.6	644.8	633.3	623.1	622.5	619.1
30°	590.6	580.5	565.6	551.4	533.8	518.2	518.2	512.9
32.5°	510.8	487.8	467.5	449.9	426.9	418.1	409.3	404.6
35°	415.4	395.1	370.7	341.7	330.9	309.2	310.6	299.7
37.5°	325.4	300.4	277.4	253.7	234.8	224.6	219.2	213.8
40°	241.5	217.2	192.2	176.6	159.7	150.9	147.5	146.2
42.5°	165.1	144.8	128.6	115.7	106.9	97.4	94.7	93.4
45°	107.6	96.1	81.2	71.1	64.9	59.6	59.6	57.5
47.5°	64.3	56.8	49.4	42.6	38.6	35.2	33.8	33.1
50°	35.8	31.8	27.8	25.0	22.3	20.3	19.6	19.6
52.5°	19.6	17.6	16.3	14.2	12.8	12.8	12.8	12.2
55°	10.2	10.2	10.2	10.2	9.5	9.5	9.5	8.8
57.5°	6.8	6.8	7.5	7.5	7.5	6.8	6.8	6.8
60°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
62.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
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	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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)