

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 EX6C109730 6LBSQLI**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209355)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C10D010 EX6C109730 6LBSQLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

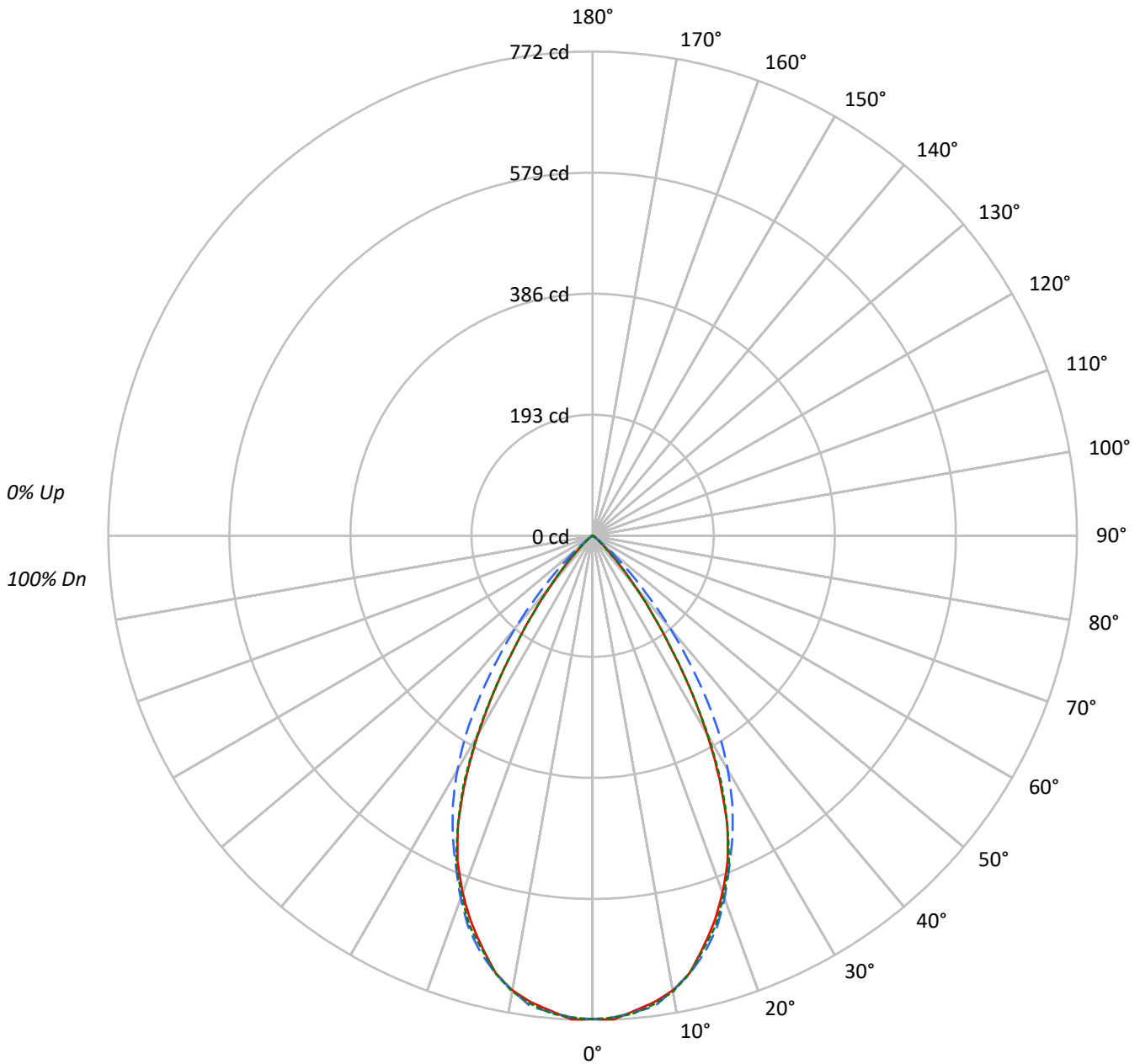
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 724.0 lumens
Efficiency: N/A
Efficacy: 73.9 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°	33174	33174	33174
5°	32860	32942	33024
10°	32178	32178	32261
15°	30297	30685	30404
20°	27739	28183	27936
25°	24100	25046	24124
30°	18127	21433	18296
35°	11253	16509	11306
40°	5918	10752	5896
45°	2454	5383	2515
50°	944	2016	944
55°	510	616	473
60°	336	293	336
65°	194	194	194
70°	126	189	126
75°	83	83	83
80°	124	124	124
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	10.0
10°-20°	191.9	26.5
20°-30°	235.5	32.5
30°-40°	162.6	22.5
40°-50°	50.8	7.0
50°-60°	7.9	1.1
60°-70°	2.3	0.3
70°-80°	0.8	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°	499.5	69.0
0°-40°	662.0	91.4
0°-60°	720.8	99.6
0°-90°	724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	760	763	762	762	764	72
15°	680	689	688	687	682	190
25°	507	520	527	524	508	227
35°	214	253	314	256	215	137
45°	40	55	88	55	41	36
55°	7	7	8	7	6	7
65°	2	2	2	2	2	2
75°	0	0	0	0	0	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°	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5
2.5°	771.9	761.2	768.0	766.6	770.5	772.9	770.5	774.8	771.9	768.5	769.5
5°	760.3	761.7	761.2	762.2	763.2	763.2	768.0	768.5	769.5	762.2	764.1
7.5°	750.1	750.1	752.5	751.5	754.9	753.9	754.4	758.3	758.8	756.9	755.4
10°	736.0	734.0	731.6	731.6	736.0	736.5	740.3	740.8	743.7	736.0	736.9
12.5°	714.1	713.2	709.3	711.2	714.6	712.7	719.0	719.5	718.5	715.1	717.0
15°	679.7	683.6	682.6	682.1	689.9	688.9	688.4	689.9	690.3	688.4	686.9
17.5°	645.2	648.6	649.1	650.0	651.5	653.0	654.9	660.2	658.3	656.8	661.7
20°	605.4	603.9	607.8	611.7	613.1	613.1	616.1	619.9	617.0	615.1	615.6
22.5°	562.2	564.6	562.7	566.5	568.5	570.9	573.8	577.2	574.8	569.5	575.8
25°	507.3	508.8	515.1	514.6	517.5	523.3	527.7	527.7	527.7	527.2	527.2
27.5°	438.4	437.4	445.2	450.5	457.8	467.0	472.8	482.1	483.5	482.1	478.7
30°	364.6	363.6	373.3	380.1	393.2	397.6	413.6	422.4	431.6	431.1	428.7
32.5°	287.9	289.8	297.6	307.3	318.0	331.6	346.6	366.0	374.3	376.2	371.9
35°	214.1	217.0	224.3	232.5	245.6	260.7	281.6	300.0	314.1	314.1	310.7
37.5°	154.4	155.3	162.1	167.5	181.1	194.7	212.6	237.9	246.6	250.0	246.6
40°	105.3	105.3	109.2	115.1	126.2	137.9	154.4	173.3	185.9	191.3	185.4
42.5°	67.0	68.0	70.9	74.8	83.0	93.2	105.8	119.9	129.1	133.0	127.7
45°	40.3	41.3	43.7	46.6	51.9	58.3	67.0	77.2	85.0	88.4	85.9
47.5°	24.3	25.2	26.2	28.2	32.0	36.4	40.8	46.6	51.5	51.9	51.0
50°	14.1	14.1	15.0	16.5	18.4	20.9	23.3	26.7	28.2	30.1	28.2
52.5°	9.2	9.2	9.2	9.7	10.7	11.6	12.6	14.6	15.5	15.5	15.0
55°	6.8	6.8	6.8	6.8	7.3	7.3	7.3	7.8	8.2	8.2	8.2
57.5°	4.8	4.8	4.8	5.3	5.3	5.3	4.8	4.8	4.8	4.8	4.8
60°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.4	3.4	3.4
62.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
65°	1.9	1.9	1.9	2.4	2.4	2.4	2.4	1.9	1.9	1.9	1.9
67.5°	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	1.5	1.5	1.5
70°	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	770.5	770.5	770.5	770.5	770.5	770.5	770.5	770.5
2.5°	772.4	770.0	770.0	770.0	769.0	770.0	771.4	769.0
5°	764.1	765.1	760.7	764.1	765.6	763.2	769.0	764.1
7.5°	756.9	755.4	748.6	753.5	756.4	757.3	756.9	753.0
10°	742.3	738.9	736.0	736.0	735.0	734.5	739.9	737.9
12.5°	716.1	718.5	714.1	716.6	714.6	715.1	715.6	714.6
15°	693.7	691.3	685.5	689.4	686.9	684.5	689.4	682.1
17.5°	658.8	658.3	654.9	652.5	653.4	653.0	655.4	652.0
20°	617.5	618.5	616.5	615.6	614.1	610.7	613.6	609.7
22.5°	572.9	573.8	575.8	571.9	572.4	567.5	571.9	567.5
25°	527.7	527.2	524.8	522.9	517.5	512.2	511.2	507.8
27.5°	478.2	474.8	469.0	462.7	454.4	447.1	446.6	444.2
30°	423.8	416.5	405.9	395.7	383.0	371.9	371.9	368.0
32.5°	366.5	350.0	335.5	322.8	306.3	300.0	293.7	290.3
35°	298.1	283.5	266.0	245.2	237.4	221.9	222.8	215.1
37.5°	233.5	215.6	199.0	182.1	168.5	161.2	157.3	153.4
40°	173.3	155.8	137.9	126.7	114.6	108.3	105.8	104.9
42.5°	118.5	103.9	92.2	83.0	76.7	69.9	68.0	67.0
45°	77.2	68.9	58.3	51.0	46.6	42.7	42.7	41.3
47.5°	46.1	40.8	35.4	30.6	27.7	25.2	24.3	23.8
50°	25.7	22.8	19.9	18.0	16.0	14.6	14.1	14.1
52.5°	14.1	12.6	11.6	10.2	9.2	9.2	9.2	8.7
55°	7.3	7.3	7.3	7.3	6.8	6.8	6.8	6.3
57.5°	4.8	4.8	5.3	5.3	5.3	4.8	4.8	4.8
60°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
62.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
65°	1.9	2.4	2.4	2.4	2.4	1.9	1.9	1.9
67.5°	1.5	1.9	1.9	1.9	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	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)