

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: **LX6C100D010 EX6C1009035 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: LX6C100D010 EX6C1009035 6LBSQLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

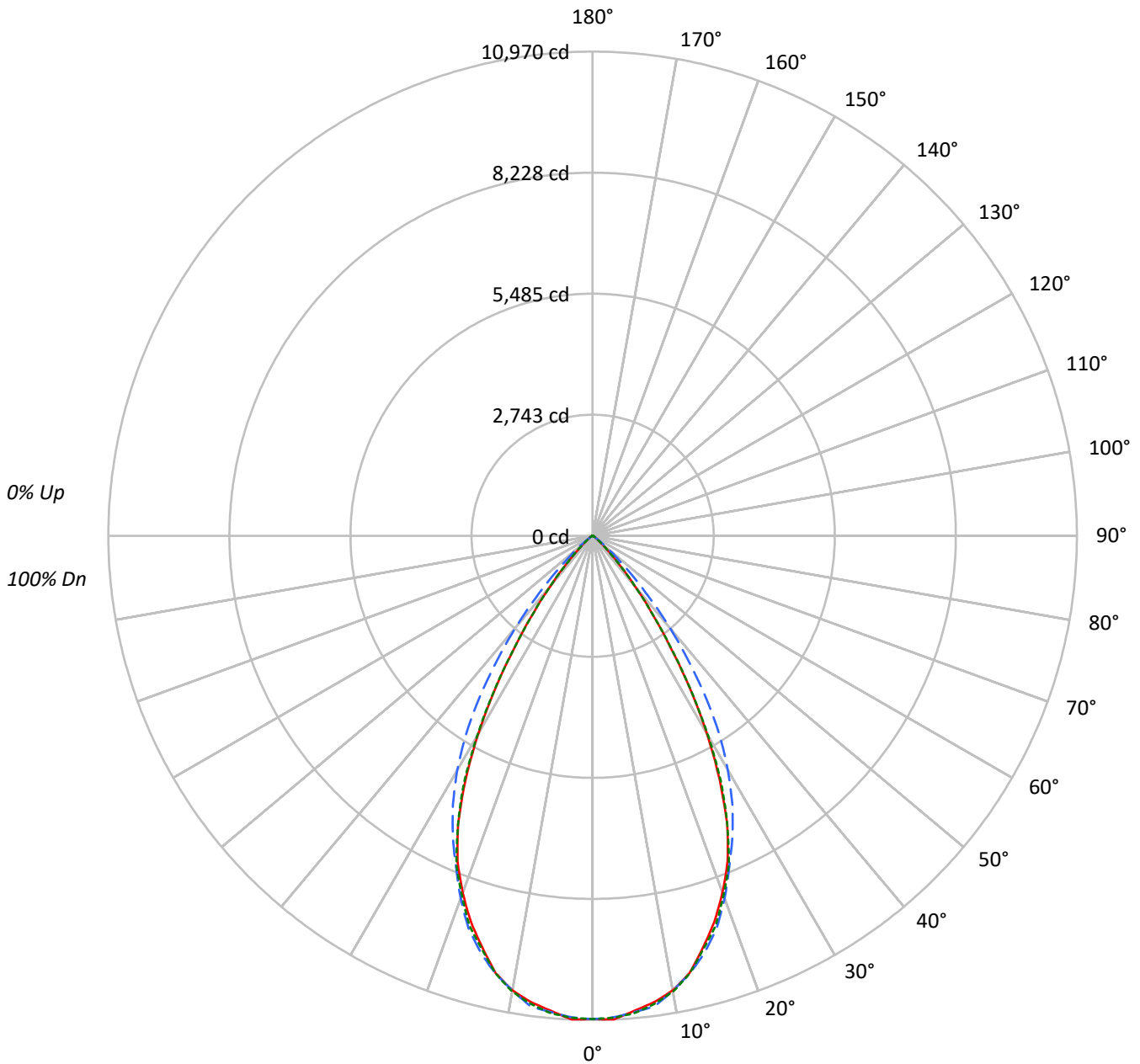
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10289.0 lumens
Efficiency: N/A
Efficacy: 89.9 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): 114.4
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: LX6C100D010 EX6C1009035 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°	471416	471416	471416
5°	466963	468152	469336
10°	457262	457262	458486
15°	430536	436068	432065
20°	394180	400517	397034
25°	342509	355934	342837
30°	257591	304587	260002
35°	159923	234628	160648
40°	84156	152788	83768
45°	34859	76447	35700
50°	13410	28655	13410
55°	7251	8805	6741
60°	4771	4142	4771
65°	2802	2802	2802
70°	1725	2593	1725
75°	1148	1148	1148
80°	1711	1711	1711
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1025.0	10.0
10°-20°	2726.7	26.5
20°-30°	3346.4	32.5
30°-40°	2310.1	22.5
40°-50°	722.3	7.0
50°-60°	112.9	1.1
60°-70°	32.5	0.3
70°-80°	10.7	0.1
80°-90°	2.4	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°	7098.1	69.0
0°-40°	9408.3	91.4
0°-60°	10243.4	99.6
0°-90°	10289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10949	10949	10949	10949	10949	
5°	10804	10846	10832	10835	10859	###
15°	9659	9797	9783	9769	9693	2702
25°	7210	7396	7492	7444	7217	3230
35°	3043	3598	4464	3632	3056	1944
45°	572	783	1256	776	586	513
55°	97	104	117	104	90	94
65°	28	34	28	34	28	30
75°	7	7	7	7	7	10
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°	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0
2.5°	10969.6	10818.0	10914.7	10893.6	10949.0	10983.4	10949.0	11010.9	10969.6	10921.5	10935.3
5°	10804.3	10824.9	10818.0	10831.8	10845.5	10845.5	10914.7	10921.5	10935.3	10831.8	10859.2
7.5°	10659.1	10659.1	10693.9	10679.7	10728.2	10714.5	10721.4	10776.4	10783.2	10755.7	10735.1
10°	10458.9	10431.5	10397.1	10397.1	10458.9	10465.8	10521.2	10528.1	10569.3	10458.9	10473.1
12.5°	10148.8	10134.7	10079.7	10107.2	10155.7	10127.8	10217.6	10224.4	10210.7	10162.6	10190.1
15°	9658.8	9714.2	9700.0	9693.1	9803.5	9789.8	9782.9	9803.5	9810.4	9782.9	9762.3
17.5°	9169.1	9217.2	9224.1	9237.9	9258.5	9279.5	9307.0	9383.0	9355.1	9334.5	9403.6
20°	8603.0	8582.4	8637.8	8692.8	8713.4	8713.4	8755.1	8810.1	8768.8	8741.3	8748.2
22.5°	7989.3	8023.6	7996.1	8051.1	8079.0	8113.4	8154.6	8203.2	8168.4	8092.8	8182.6
25°	7209.7	7230.3	7320.1	7313.2	7354.5	7437.4	7499.2	7499.2	7499.2	7492.3	7492.3
27.5°	6230.0	6216.3	6326.7	6402.2	6505.8	6637.2	6719.7	6850.7	6871.7	6850.7	6802.5
30°	5181.2	5167.4	5305.3	5401.9	5588.3	5650.6	5878.2	6002.4	6133.4	6126.5	6092.1
32.5°	4091.1	4119.0	4229.4	4367.2	4518.9	4712.1	4926.0	5201.8	5319.5	5346.9	5284.7
35°	3042.6	3083.9	3187.4	3304.6	3491.0	3704.9	4001.3	4263.7	4463.9	4463.9	4415.3
37.5°	2193.9	2207.7	2304.3	2380.3	2573.2	2766.5	3022.0	3380.7	3504.8	3552.9	3504.8
40°	1497.3	1497.3	1552.2	1635.1	1793.6	1959.4	2193.9	2462.8	2642.3	2718.4	2635.5
42.5°	952.2	966.0	1007.2	1062.6	1179.9	1324.6	1504.1	1704.3	1835.3	1890.3	1814.7
45°	572.5	586.3	621.1	662.3	738.3	828.1	952.2	1097.0	1207.3	1255.5	1221.1
47.5°	344.9	358.6	372.4	400.3	455.3	517.6	579.4	662.3	731.5	738.3	724.6
50°	200.2	200.2	213.9	234.5	262.0	296.8	331.2	379.3	400.3	427.8	400.3
52.5°	131.0	131.0	131.0	137.9	151.6	165.8	179.5	207.0	220.8	220.8	213.9
55°	96.6	96.6	96.6	96.6	103.5	103.5	103.5	110.4	117.3	117.3	117.3
57.5°	69.2	69.2	69.2	76.0	76.0	76.0	69.2	69.2	69.2	69.2	69.2
60°	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	48.1	48.1	48.1
62.5°	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
65°	27.5	27.5	27.5	34.4	34.4	34.4	34.4	27.5	27.5	27.5	27.5
67.5°	20.6	20.6	20.6	27.5	27.5	27.5	27.5	27.5	20.6	20.6	20.6
70°	13.7	13.7	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
72.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	0.0	0.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0	10949.0
2.5°	10976.5	10942.1	10942.1	10942.1	10928.4	10942.1	10962.8	10928.4
5°	10859.2	10873.0	10811.1	10859.2	10879.9	10845.5	10928.4	10859.2
7.5°	10755.7	10735.1	10638.5	10707.6	10748.9	10762.6	10755.7	10700.8
10°	10548.7	10500.6	10458.9	10458.9	10445.2	10438.3	10514.4	10486.9
12.5°	10176.3	10210.7	10148.8	10183.2	10155.7	10162.6	10169.5	10155.7
15°	9858.9	9824.6	9741.7	9796.6	9762.3	9727.9	9796.6	9693.1
17.5°	9362.0	9355.1	9307.0	9272.6	9286.4	9279.5	9313.9	9265.8
20°	8775.7	8789.4	8762.0	8748.2	8727.6	8679.1	8720.7	8665.3
22.5°	8140.9	8154.6	8182.6	8127.1	8134.0	8065.3	8127.1	8065.3
25°	7499.2	7492.3	7458.0	7430.5	7354.5	7278.4	7264.7	7216.6
27.5°	6795.7	6747.6	6664.7	6574.9	6457.7	6354.1	6347.3	6312.9
30°	6023.0	5919.5	5767.9	5622.7	5443.6	5284.7	5284.7	5229.7
32.5°	5209.1	4974.1	4767.1	4588.0	4353.5	4263.7	4174.0	4125.9
35°	4236.2	4029.2	3780.5	3484.2	3373.8	3153.0	3166.8	3056.4
37.5°	3318.4	3063.3	2828.7	2587.4	2394.1	2290.6	2235.2	2180.2
40°	2462.8	2214.5	1959.4	1800.5	1628.3	1538.5	1504.1	1490.4
42.5°	1683.2	1476.2	1310.9	1179.9	1090.1	993.5	966.0	952.2
45°	1097.0	979.7	828.1	724.6	662.3	607.3	607.3	586.3
47.5°	655.4	579.4	503.8	434.7	393.4	358.6	344.9	338.0
50°	365.5	324.3	283.0	255.1	227.6	207.0	200.2	200.2
52.5°	200.2	179.5	165.8	144.7	131.0	131.0	131.0	124.1
55°	103.5	103.5	103.5	103.5	96.6	96.6	96.6	89.8
57.5°	69.2	69.2	76.0	76.0	76.0	69.2	69.2	69.2
60°	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
62.5°	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
65°	27.5	34.4	34.4	34.4	34.4	27.5	27.5	27.5
67.5°	20.6	27.5	27.5	27.5	20.6	20.6	20.6	20.6
70°	20.6	20.6	20.6	20.6	20.6	13.7	13.7	13.7
72.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	6.9	6.9	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)