

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 EX6C1009050 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 EX6C1009050 6LBSQLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

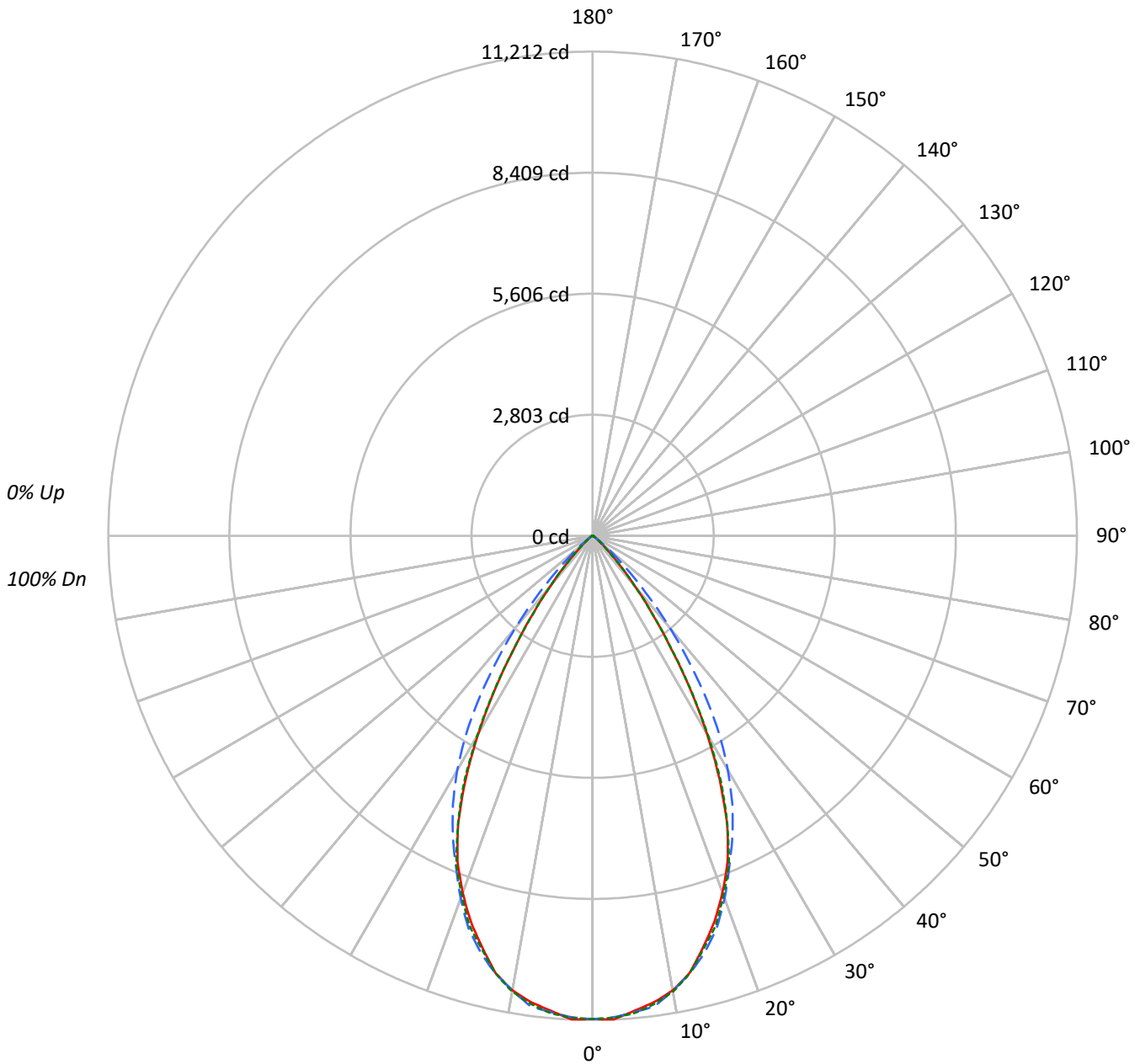
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10516.0 lumens
Efficiency: N/A
Efficacy: 91.9 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

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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°	481819	481819	481819
5°	477263	478477	479692
10°	467352	467352	468598
15°	440035	445687	441600
20°	402876	409355	405795
25°	350067	363787	350400
30°	263273	311309	265739
35°	163455	239805	164191
40°	86011	156155	85617
45°	35633	78128	36485
50°	13705	29285	13705
55°	7416	8993	6883
60°	4874	4237	4874
65°	2863	2863	2863
70°	1762	2656	1762
75°	1164	1164	1164
80°	1736	1736	1736
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.6	10.0
10°-20°	2786.8	26.5
20°-30°	3420.3	32.5
30°-40°	2361.1	22.5
40°-50°	738.2	7.0
50°-60°	115.4	1.1
60°-70°	33.3	0.3
70°-80°	10.9	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°	7254.7	69.0
0°-40°	9615.8	91.4
0°-60°	10469.4	99.6
0°-90°	10516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11191	11191	11191	11191	11191	
5°	11043	11085	11071	11074	11099	###
15°	9872	10013	9999	9985	9907	2761
25°	7369	7559	7658	7608	7376	3302
35°	3110	3677	4562	3712	3124	1987
45°	585	800	1283	794	599	524
55°	99	106	120	106	92	96
65°	28	35	28	35	28	31
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°	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6
2.5°	11211.6	11056.7	11155.5	11133.9	11190.6	11225.7	11190.6	11253.8	11211.6	11162.5	11176.5
5°	11042.6	11063.7	11056.7	11070.7	11084.8	11084.8	11155.5	11162.5	11176.5	11070.7	11098.8
7.5°	10894.3	10894.3	10929.8	10915.3	10964.9	10950.9	10957.9	11014.1	11021.1	10993.0	10972.0
10°	10689.7	10661.6	10626.5	10626.5	10689.7	10696.7	10753.3	10760.4	10802.5	10689.7	10704.2
12.5°	10372.7	10358.3	10302.1	10330.2	10379.8	10351.2	10443.0	10450.0	10436.0	10386.8	10414.9
15°	9871.9	9928.5	9914.0	9907.0	10019.8	10005.8	9998.7	10019.8	10026.8	9998.7	9977.7
17.5°	9371.4	9420.6	9427.6	9441.7	9462.7	9484.2	9512.3	9590.0	9561.5	9540.4	9611.1
20°	8792.8	8771.8	8828.4	8884.6	8905.7	8905.7	8948.2	9004.4	8962.3	8934.2	8941.2
22.5°	8165.5	8200.7	8172.6	8228.8	8257.3	8292.4	8334.5	8384.2	8348.6	8271.3	8363.1
25°	7368.8	7389.9	7481.6	7474.6	7516.7	7601.4	7664.7	7664.7	7664.7	7657.6	7657.6
27.5°	6367.5	6353.4	6466.2	6543.5	6649.3	6783.6	6867.9	7001.8	7023.3	7001.8	6952.6
30°	5295.5	5281.4	5422.3	5521.1	5711.6	5775.3	6007.9	6134.8	6268.7	6261.7	6226.5
32.5°	4181.3	4209.9	4322.7	4463.6	4618.5	4816.1	5034.7	5316.5	5436.8	5464.9	5401.3
35°	3109.8	3151.9	3257.7	3377.5	3568.1	3786.7	4089.6	4357.8	4562.4	4562.4	4512.8
37.5°	2242.3	2256.4	2355.1	2432.8	2630.0	2827.5	3088.7	3455.2	3582.1	3631.3	3582.1
40°	1530.3	1530.3	1586.5	1671.2	1833.2	2002.6	2242.3	2517.1	2700.6	2778.3	2693.6
42.5°	973.2	987.3	1029.4	1086.0	1205.9	1353.8	1537.3	1741.9	1875.8	1932.0	1854.7
45°	585.2	599.2	634.8	676.9	754.6	846.4	973.2	1121.2	1234.0	1283.1	1248.0
47.5°	352.5	366.6	380.6	409.1	465.3	529.0	592.2	676.9	747.6	754.6	740.6
50°	204.6	204.6	218.6	239.7	267.8	303.3	338.5	387.6	409.1	437.2	409.1
52.5°	133.9	133.9	133.9	140.9	155.0	169.4	183.5	211.6	225.6	225.6	218.6
55°	98.8	98.8	98.8	98.8	105.8	105.8	105.8	112.8	119.8	119.8	119.8
57.5°	70.7	70.7	70.7	77.7	77.7	77.7	70.7	70.7	70.7	70.7	70.7
60°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	49.2	49.2	49.2
62.5°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
65°	28.1	28.1	28.1	35.1	35.1	35.1	35.1	28.1	28.1	28.1	28.1
67.5°	21.1	21.1	21.1	28.1	28.1	28.1	28.1	28.1	21.1	21.1	21.1
70°	14.0	14.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
72.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
75°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
82.5°	0.0	0.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
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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CATALOG NUMBER: LX6C100D010 EX6C1009050 6LBSQLI

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6	11190.6
2.5°	11218.7	11183.6	11183.6	11183.6	11169.5	11183.6	11204.6	11169.5
5°	11098.8	11112.9	11049.7	11098.8	11119.9	11084.8	11169.5	11098.8
7.5°	10993.0	10972.0	10873.2	10943.9	10986.0	11000.1	10993.0	10936.8
10°	10781.4	10732.3	10689.7	10689.7	10675.6	10668.6	10746.3	10718.2
12.5°	10400.8	10436.0	10372.7	10407.9	10379.8	10386.8	10393.8	10379.8
15°	10076.4	10041.3	9956.6	10012.8	9977.7	9942.5	10012.8	9907.0
17.5°	9568.5	9561.5	9512.3	9477.2	9491.3	9484.2	9519.4	9470.2
20°	8969.3	8983.4	8955.3	8941.2	8920.2	8870.5	8913.1	8856.5
22.5°	8320.5	8334.5	8363.1	8306.5	8313.5	8243.2	8306.5	8243.2
25°	7664.7	7657.6	7622.5	7594.4	7516.7	7439.0	7425.0	7375.8
27.5°	6945.6	6896.4	6811.7	6720.0	6600.1	6494.3	6487.3	6452.2
30°	6155.9	6050.1	5895.1	5746.7	5563.7	5401.3	5401.3	5345.1
32.5°	5324.0	5083.9	4872.3	4689.2	4449.5	4357.8	4266.0	4216.9
35°	4329.7	4118.1	3863.9	3561.0	3448.2	3222.6	3236.6	3123.8
37.5°	3391.6	3130.8	2891.1	2644.4	2446.9	2341.1	2284.5	2228.3
40°	2517.1	2263.4	2002.6	1840.2	1664.2	1572.4	1537.3	1523.3
42.5°	1720.4	1508.8	1339.8	1205.9	1114.1	1015.4	987.3	973.2
45°	1121.2	1001.3	846.4	740.6	676.9	620.7	620.7	599.2
47.5°	669.9	592.2	514.9	444.3	402.1	366.6	352.5	345.5
50°	373.6	331.4	289.3	260.8	232.7	211.6	204.6	204.6
52.5°	204.6	183.5	169.4	147.9	133.9	133.9	133.9	126.9
55°	105.8	105.8	105.8	105.8	98.8	98.8	98.8	91.7
57.5°	70.7	70.7	77.7	77.7	77.7	70.7	70.7	70.7
60°	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
62.5°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
65°	28.1	35.1	35.1	35.1	35.1	28.1	28.1	28.1
67.5°	21.1	28.1	28.1	28.1	21.1	21.1	21.1	21.1
70°	21.1	21.1	21.1	21.1	21.1	14.0	14.0	14.0
72.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
75°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
82.5°	7.0	7.0	7.0	7.0	7.0	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)