

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 EX6C1009727 6LBSQLI**

Issue Date: 2/15/2022

**Test Information**

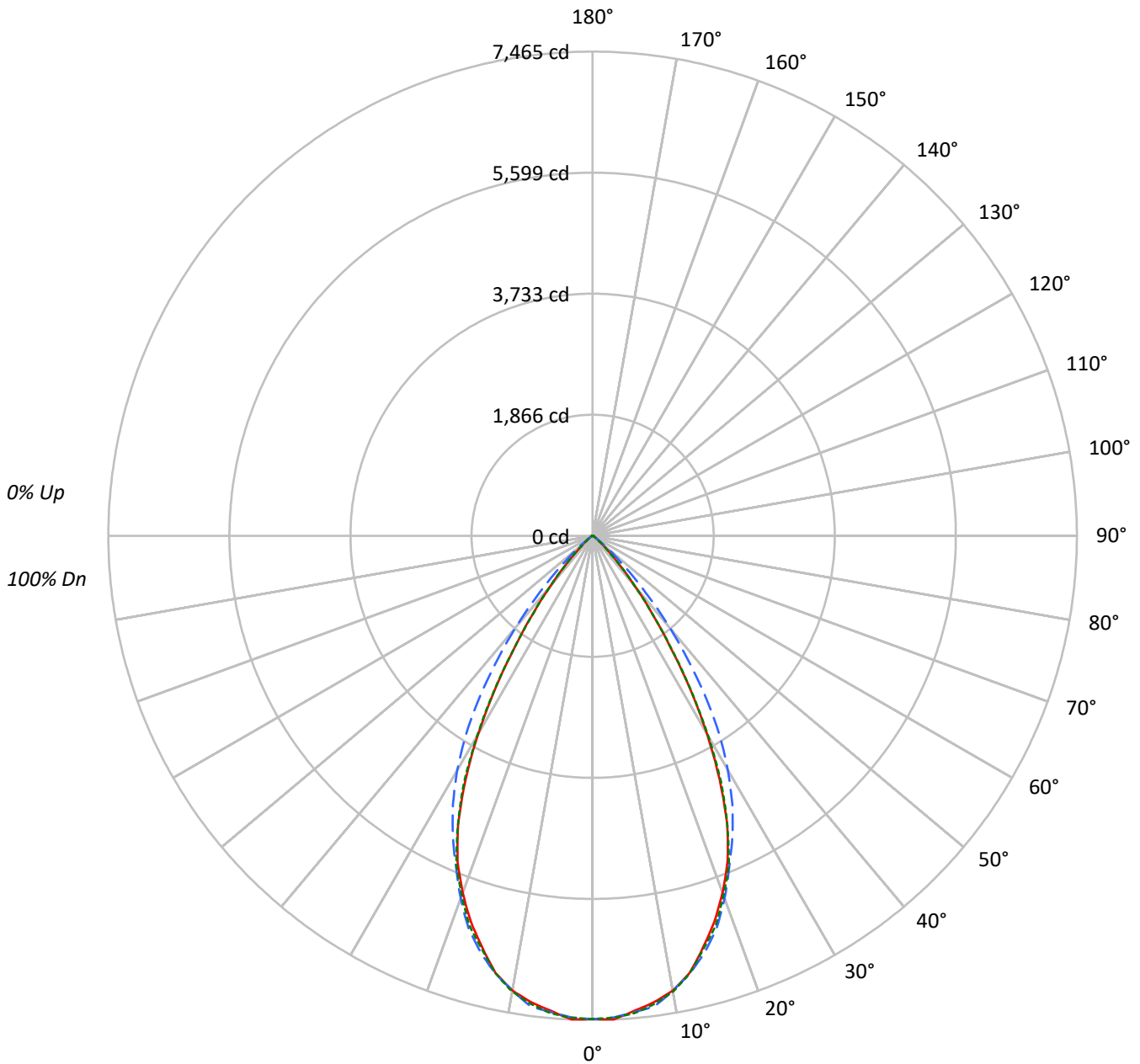
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209355)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C100D010 EX6C1009727 6LBSQLI  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS  
AND 6LBSQ TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7001.9 lumens  
Efficiency: N/A  
Efficacy: 61.2 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<sub>in</sub>): 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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CATALOG NUMBER: LX6C100D010 EX6C1009727 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	82	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°	320821	320821	320821
5°	317785	318589	319405
10°	311189	311189	312011
15°	292993	296764	294040
20°	268265	272563	270194
25°	233091	242227	233310
30°	175305	207278	176941
35°	108828	159671	109322
40°	57262	103968	57003
45°	23735	52030	24307
50°	9116	19505	9116
55°	4932	5990	4586
60°	3229	2833	3229
65°	1915	1915	1915
70°	1183	1762	1183
75°	765	765	765
80°	1141	1141	1141
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	697.6	10.0
10°-20°	1855.6	26.5
20°-30°	2277.4	32.5
30°-40°	1572.1	22.5
40°-50°	491.5	7.0
50°-60°	76.7	1.1
60°-70°	22.2	0.3
70°-80°	7.2	0.1
80°-90°	1.6	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°	4830.5	69.0
0°-40°	6402.7	91.4
0°-60°	6970.9	99.6
0°-90°	7001.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7001.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7451	7451	7451	7451	7451	
5°	7353	7381	7371	7374	7390	695
15°	6573	6667	6658	6648	6597	1839
25°	4906	5033	5099	5066	4911	2198
35°	2070	2449	3038	2472	2080	1323
45°	390	533	854	528	399	349
55°	66	70	80	70	61	64
65°	19	23	19	23	19	21
75°	5	5	5	5	5	7
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°	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3
2.5°	7465.3	7361.9	7427.6	7413.6	7451.3	7474.7	7451.3	7493.4	7465.3	7432.4	7441.8
5°	7352.7	7366.7	7361.9	7371.3	7380.7	7380.7	7427.6	7432.4	7441.8	7371.3	7390.2
7.5°	7254.1	7254.1	7277.5	7268.1	7301.0	7291.6	7296.2	7333.8	7338.5	7319.8	7305.6
10°	7117.8	7099.0	7075.5	7075.5	7117.8	7122.6	7160.1	7164.7	7193.0	7117.8	7127.2
12.5°	6906.6	6897.2	6859.5	6878.3	6911.2	6892.4	6953.5	6958.1	6948.9	6916.0	6934.7
15°	6573.1	6610.8	6601.4	6596.6	6671.7	6662.3	6657.7	6671.7	6676.5	6657.7	6643.7
17.5°	6239.9	6272.7	6277.4	6286.8	6300.8	6315.0	6333.7	6385.4	6366.5	6352.5	6399.4
20°	5854.9	5840.7	5878.4	5915.9	5929.9	5929.9	5958.1	5995.6	5967.5	5948.7	5953.5
22.5°	5436.9	5460.4	5441.7	5479.2	5498.0	5521.5	5549.7	5582.6	5559.1	5507.4	5568.4
25°	4906.5	4920.5	4981.6	4976.8	5005.1	5061.4	5103.6	5103.6	5103.6	5098.8	5098.8
27.5°	4239.7	4230.3	4305.5	4357.2	4427.5	4516.7	4573.0	4662.2	4676.4	4662.2	4629.3
30°	3526.1	3516.7	3610.5	3676.2	3803.1	3845.4	4000.3	4084.8	4174.0	4169.2	4145.8
32.5°	2784.3	2802.9	2878.1	2972.0	3075.3	3206.7	3352.4	3540.2	3619.9	3638.8	3596.5
35°	2070.5	2098.7	2169.1	2249.0	2375.7	2521.4	2723.2	2901.5	3037.8	3037.8	3004.9
37.5°	1493.1	1502.4	1568.1	1619.8	1751.3	1882.7	2056.5	2300.5	2385.1	2418.0	2385.1
40°	1018.8	1018.8	1056.5	1112.8	1220.8	1333.4	1493.1	1676.1	1798.2	1849.8	1793.5
42.5°	647.9	657.3	685.5	723.0	802.8	901.4	1023.6	1159.7	1248.9	1286.5	1234.8
45°	389.8	399.2	422.6	450.7	502.4	563.5	647.9	746.5	821.6	854.5	831.0
47.5°	234.7	244.1	253.5	272.3	309.8	352.1	394.4	450.7	497.8	502.4	493.0
50°	136.1	136.1	145.5	159.7	178.4	201.8	225.4	258.3	272.3	291.2	272.3
52.5°	89.2	89.2	89.2	94.0	103.2	112.6	122.0	140.9	150.3	150.3	145.5
55°	65.7	65.7	65.7	65.7	70.3	70.3	70.3	75.1	79.8	79.8	79.8
57.5°	46.9	46.9	46.9	51.7	51.7	51.7	46.9	46.9	46.9	46.9	46.9
60°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	32.9	32.9	32.9
62.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
65°	18.8	18.8	18.8	23.4	23.4	23.4	23.4	18.8	18.8	18.8	18.8
67.5°	14.0	14.0	14.0	18.8	18.8	18.8	18.8	18.8	14.0	14.0	14.0
70°	9.4	9.4	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
72.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
75°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	0.0	0.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
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°	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3	7451.3
2.5°	7469.9	7446.5	7446.5	7446.5	7437.1	7446.5	7460.5	7437.1
5°	7390.2	7399.6	7357.3	7390.2	7404.2	7380.7	7437.1	7390.2
7.5°	7319.8	7305.6	7239.9	7286.9	7315.0	7324.4	7319.8	7282.1
10°	7178.9	7146.1	7117.8	7117.8	7108.4	7103.8	7155.5	7136.6
12.5°	6925.2	6948.9	6906.6	6930.0	6911.2	6916.0	6920.6	6911.2
15°	6709.4	6686.0	6629.5	6667.1	6643.7	6620.2	6667.1	6596.6
17.5°	6371.3	6366.5	6333.7	6310.2	6319.6	6315.0	6338.5	6305.6
20°	5972.2	5981.6	5962.8	5953.5	5939.3	5906.4	5934.7	5897.0
22.5°	5540.3	5549.7	5568.4	5530.9	5535.5	5488.6	5530.9	5488.6
25°	5103.6	5098.8	5075.4	5056.7	5005.1	4953.4	4943.9	4911.1
27.5°	4624.7	4591.8	4535.5	4474.4	4394.7	4324.3	4319.5	4296.1
30°	4098.9	4028.3	3925.1	3826.5	3704.5	3596.5	3596.5	3559.0
32.5°	3544.8	3385.3	3244.4	3122.3	2962.6	2901.5	2840.6	2807.7
35°	2882.9	2742.0	2572.9	2371.1	2295.9	2145.6	2155.0	2079.9
37.5°	2258.4	2084.7	1925.0	1760.7	1629.2	1558.9	1521.2	1483.7
40°	1676.1	1507.2	1333.4	1225.4	1108.0	1047.1	1023.6	1014.2
42.5°	1145.7	1004.8	892.1	802.8	741.9	676.1	657.3	647.9
45°	746.5	666.7	563.5	493.0	450.7	413.2	413.2	399.2
47.5°	446.1	394.4	342.7	295.8	267.5	244.1	234.7	230.1
50°	248.9	220.6	192.6	173.7	154.9	140.9	136.1	136.1
52.5°	136.1	122.0	112.6	98.6	89.2	89.2	89.2	84.6
55°	70.3	70.3	70.3	70.3	65.7	65.7	65.7	61.1
57.5°	46.9	46.9	51.7	51.7	51.7	46.9	46.9	46.9
60°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
62.5°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
65°	18.8	23.4	23.4	23.4	23.4	18.8	18.8	18.8
67.5°	14.0	18.8	18.8	18.8	14.0	14.0	14.0	14.0
70°	14.0	14.0	14.0	14.0	14.0	9.4	9.4	9.4
72.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
75°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	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)