

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: P844093

Luminaire Tested: **LD6C15DE010B50 EU6C15B50 6LBSQLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C15DE010B50 EU6C15B50 6LBSQLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

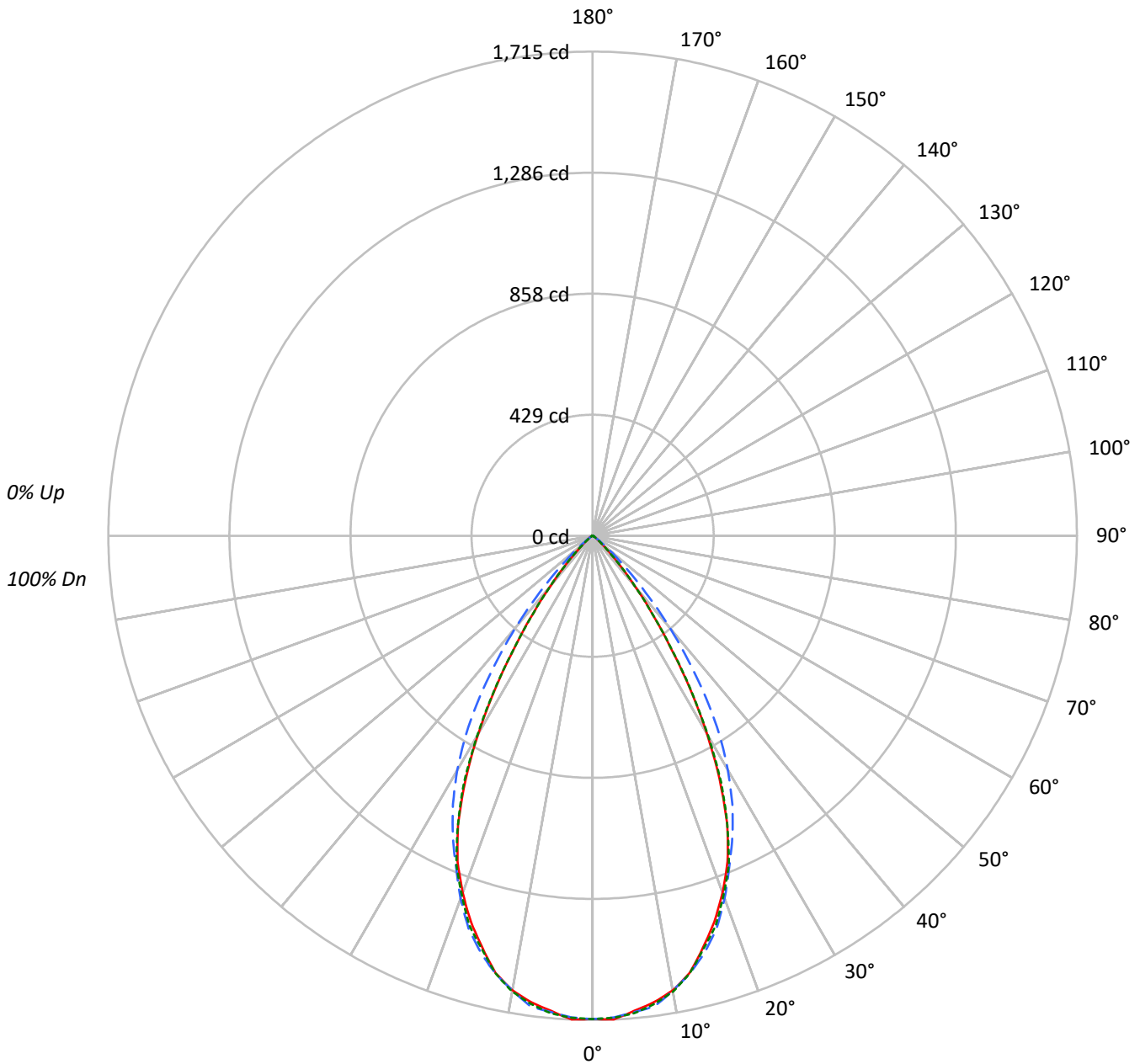
Lumens per Lamp: N/A  
Luminaire Lumens: 1608.7 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 17  
Input Voltage (V):  
Input Current (Ain): 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°	73707	73707	73707
5°	73012	73193	73379
10°	71491	71491	71679
15°	67312	68177	67553
20°	61631	62621	62075
25°	53550	55649	53602
30°	40270	47623	40653
35°	25003	36683	25114
40°	13158	23887	13096
45°	5450	11953	5584
50°	2097	4474	2097
55°	1133	1374	1058
60°	749	646	749
65°	438	438	438
70°	264	403	264
75°	183	183	183
80°	273	273	273
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.3	10.0
10°-20°	426.3	26.5
20°-30°	523.2	32.5
30°-40°	361.2	22.5
40°-50°	112.9	7.0
50°-60°	17.6	1.1
60°-70°	5.1	0.3
70°-80°	1.7	0.1
80°-90°	0.4	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°	1109.8	69.0
0°-40°	1471.0	91.4
0°-60°	1601.5	99.6
0°-90°	1608.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1608.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1712	1712	1712	1712	1712	
5°	1689	1696	1694	1694	1698	160
15°	1510	1532	1530	1527	1516	422
25°	1127	1156	1171	1164	1128	505
35°	476	563	698	568	478	304
45°	90	122	196	121	92	80
55°	15	16	18	16	14	15
65°	4	5	4	5	4	5
75°	1	1	1	1	1	2
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°	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9
2.5°	1715.1	1691.4	1706.5	1703.2	1711.9	1717.2	1711.9	1721.5	1715.1	1707.5	1709.7
5°	1689.3	1692.4	1691.4	1693.5	1695.7	1695.7	1706.5	1707.5	1709.7	1693.5	1697.8
7.5°	1666.5	1666.5	1672.0	1669.8	1677.3	1675.2	1676.2	1684.8	1686.0	1681.6	1678.4
10°	1635.2	1631.0	1625.6	1625.6	1635.2	1636.3	1644.9	1646.0	1652.4	1635.2	1637.4
12.5°	1586.8	1584.5	1576.0	1580.2	1587.8	1583.5	1597.4	1598.6	1596.4	1588.9	1593.2
15°	1510.1	1518.8	1516.5	1515.5	1532.7	1530.6	1529.5	1532.7	1533.8	1529.5	1526.3
17.5°	1433.6	1441.1	1442.2	1444.3	1447.6	1450.9	1455.1	1467.0	1462.6	1459.4	1470.2
20°	1345.1	1341.8	1350.5	1359.1	1362.3	1362.3	1368.8	1377.5	1371.0	1366.7	1367.7
22.5°	1249.1	1254.5	1250.2	1258.8	1263.1	1268.5	1275.0	1282.6	1277.1	1265.2	1279.3
25°	1127.2	1130.4	1144.5	1143.4	1149.9	1162.8	1172.5	1172.5	1172.5	1171.4	1171.4
27.5°	974.1	971.9	989.2	1000.9	1017.1	1037.8	1050.7	1071.1	1074.3	1071.1	1063.6
30°	810.0	807.9	829.5	844.6	873.7	883.4	919.1	938.4	959.0	957.9	952.5
32.5°	639.7	644.0	661.2	682.8	706.5	736.7	770.2	813.3	831.7	836.0	826.2
35°	475.7	482.2	498.4	516.7	545.8	579.3	625.6	666.6	697.9	697.9	690.3
37.5°	343.0	345.2	360.2	372.2	402.3	432.6	472.4	528.6	548.0	555.5	548.0
40°	234.1	234.1	242.7	255.6	280.4	306.4	343.0	385.1	413.1	425.0	412.1
42.5°	148.9	151.0	157.5	166.2	184.5	207.1	235.2	266.4	286.9	295.5	283.8
45°	89.5	91.7	97.1	103.5	115.4	129.5	148.9	171.5	188.8	196.3	190.9
47.5°	53.9	56.1	58.2	62.6	71.2	80.9	90.6	103.5	114.3	115.4	113.3
50°	31.3	31.3	33.4	36.7	40.9	46.4	51.8	59.3	62.6	66.8	62.6
52.5°	20.5	20.5	20.5	21.6	23.7	25.9	28.0	32.4	34.5	34.5	33.4
55°	15.1	15.1	15.1	15.1	16.2	16.2	16.2	17.2	18.3	18.3	18.3
57.5°	10.8	10.8	10.8	11.8	11.8	11.8	10.8	10.8	10.8	10.8	10.8
60°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	7.5	7.5	7.5
62.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
65°	4.3	4.3	4.3	5.4	5.4	5.4	5.4	4.3	4.3	4.3	4.3
67.5°	3.2	3.2	3.2	4.3	4.3	4.3	4.3	4.3	3.2	3.2	3.2
70°	2.1	2.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9	1711.9
2.5°	1716.1	1710.8	1710.8	1710.8	1708.6	1710.8	1714.0	1708.6
5°	1697.8	1699.9	1690.3	1697.8	1701.0	1695.7	1708.6	1697.8
7.5°	1681.6	1678.4	1663.3	1674.1	1680.6	1682.7	1681.6	1673.1
10°	1649.3	1641.8	1635.2	1635.2	1633.1	1632.0	1643.9	1639.5
12.5°	1591.0	1596.4	1586.8	1592.2	1587.8	1588.9	1589.9	1587.8
15°	1541.4	1536.0	1523.1	1531.7	1526.3	1521.0	1531.7	1515.5
17.5°	1463.8	1462.6	1455.1	1449.8	1451.9	1450.9	1456.2	1448.6
20°	1372.1	1374.2	1370.0	1367.7	1364.6	1356.9	1363.5	1354.8
22.5°	1272.8	1275.0	1279.3	1270.6	1271.7	1261.0	1270.6	1261.0
25°	1172.5	1171.4	1166.0	1161.7	1149.9	1138.0	1135.8	1128.3
27.5°	1062.5	1055.0	1042.0	1028.0	1009.6	993.4	992.4	987.0
30°	941.7	925.5	901.8	879.1	851.1	826.2	826.2	817.7
32.5°	814.4	777.7	745.3	717.3	680.7	666.6	652.6	645.1
35°	662.3	629.9	591.1	544.8	527.4	493.0	495.1	477.8
37.5°	518.8	478.9	442.3	404.5	374.3	358.1	349.4	340.9
40°	385.1	346.3	306.4	281.5	254.6	240.5	235.2	233.0
42.5°	263.1	230.8	205.0	184.5	170.4	155.4	151.0	148.9
45°	171.5	153.1	129.5	113.3	103.5	95.0	95.0	91.7
47.5°	102.5	90.6	78.8	68.0	61.6	56.1	53.9	52.9
50°	57.1	50.7	44.2	39.9	35.6	32.4	31.3	31.3
52.5°	31.3	28.0	25.9	22.6	20.5	20.5	20.5	19.4
55°	16.2	16.2	16.2	16.2	15.1	15.1	15.1	14.1
57.5°	10.8	10.8	11.8	11.8	11.8	10.8	10.8	10.8
60°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
62.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
65°	4.3	5.4	5.4	5.4	5.4	4.3	4.3	4.3
67.5°	3.2	4.3	4.3	4.3	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	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)