

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: P844025

Luminaire Tested: **LD6C15DE010B2750 EU6C15B27 6LBSQLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844025  
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: LD6C15DE010B2750 EU6C15B27 6LBSQLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

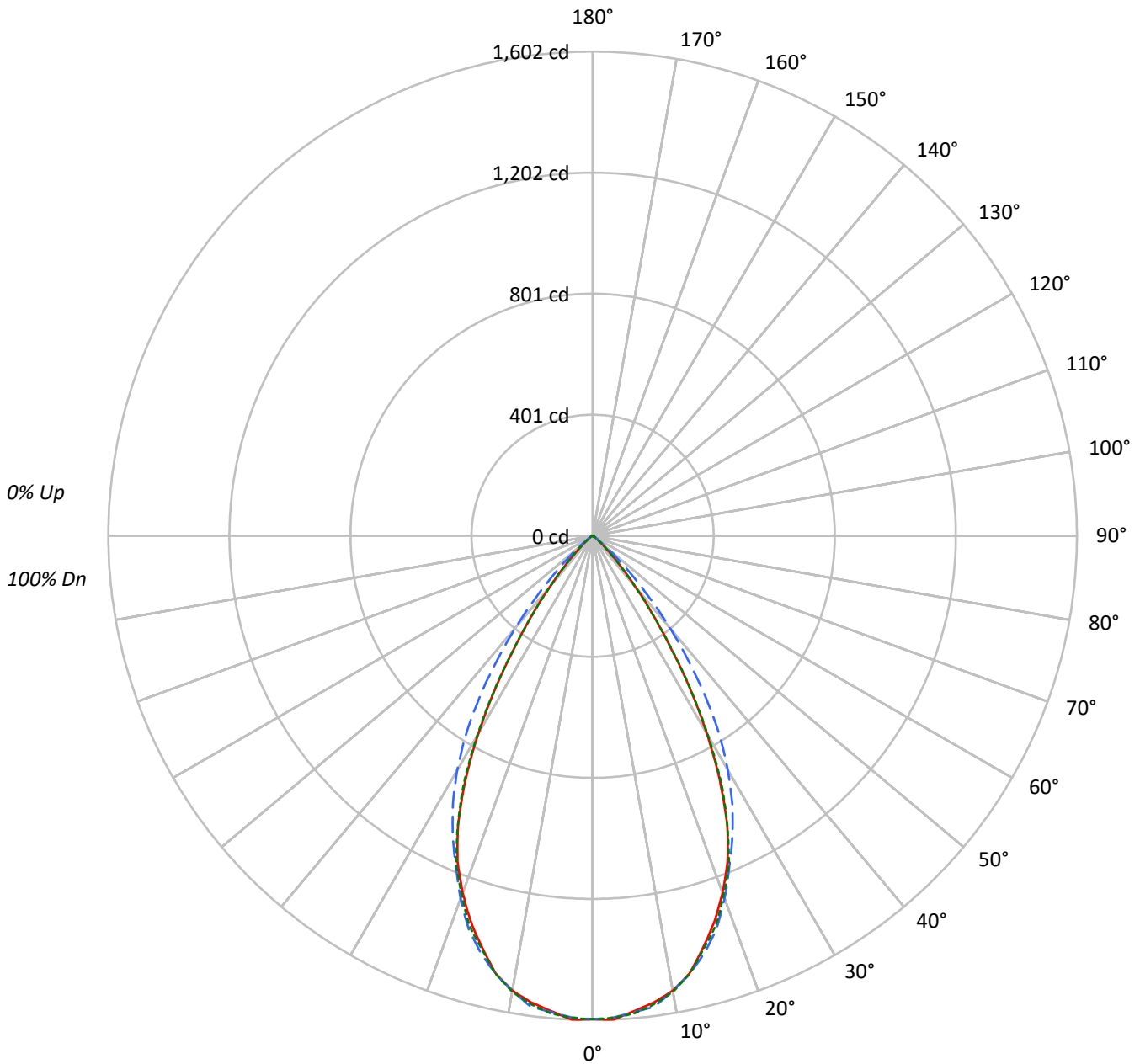
Lumens per Lamp: N/A  
Luminaire Lumens: 1502.9 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

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°	68863	68863	68863
5°	68210	68383	68556
10°	66795	66795	66970
15°	62890	63697	63113
20°	57581	58506	57998
25°	50029	51991	50077
30°	37625	44491	37978
35°	23358	34270	23463
40°	12292	22313	12236
45°	5096	11167	5218
50°	1956	4186	1956
55°	1058	1284	983
60°	698	603	698
65°	408	408	408
70°	252	378	252
75°	166	166	166
80°	248	248	248
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.7	10.0
10°-20°	398.3	26.5
20°-30°	488.8	32.5
30°-40°	337.4	22.5
40°-50°	105.5	7.0
50°-60°	16.5	1.1
60°-70°	4.7	0.3
70°-80°	1.6	0.1
80°-90°	0.3	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°	1036.8	69.0
0°-40°	1374.3	91.4
0°-60°	1496.2	99.6
0°-90°	1502.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1502.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1599	1599	1599	1599	1599	
5°	1578	1584	1582	1583	1586	149
15°	1411	1431	1429	1427	1416	395
25°	1053	1080	1094	1087	1054	472
35°	444	526	652	531	446	284
45°	84	114	183	113	86	75
55°	14	15	17	15	13	14
65°	4	5	4	5	4	4
75°	1	1	1	1	1	1
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°	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4
2.5°	1602.3	1580.2	1594.3	1591.2	1599.4	1604.3	1599.4	1608.3	1602.3	1595.3	1597.3
5°	1578.2	1581.2	1580.2	1582.2	1584.2	1584.2	1594.3	1595.3	1597.3	1582.2	1586.2
7.5°	1556.9	1556.9	1562.0	1560.0	1567.1	1565.1	1566.0	1574.1	1575.1	1571.1	1568.0
10°	1527.8	1523.7	1518.7	1518.7	1527.8	1528.7	1536.8	1537.8	1543.8	1527.8	1529.8
12.5°	1482.4	1480.4	1472.3	1476.4	1483.4	1479.3	1492.4	1493.5	1491.5	1484.4	1488.4
15°	1410.9	1418.9	1416.9	1415.9	1432.0	1430.0	1429.0	1432.0	1433.0	1429.0	1426.0
17.5°	1339.3	1346.4	1347.3	1349.3	1352.4	1355.5	1359.5	1370.6	1366.5	1363.5	1373.5
20°	1256.7	1253.6	1261.8	1269.8	1272.8	1272.8	1278.9	1286.8	1280.9	1276.9	1277.8
22.5°	1167.0	1172.0	1167.9	1176.0	1180.1	1185.1	1191.1	1198.2	1193.1	1182.1	1195.2
25°	1053.1	1056.2	1069.3	1068.2	1074.2	1086.4	1095.4	1095.4	1095.4	1094.4	1094.4
27.5°	910.0	908.0	924.2	935.2	950.3	969.5	981.5	1000.6	1003.7	1000.6	993.6
30°	756.8	754.8	774.9	789.1	816.3	825.4	858.6	876.8	895.9	894.9	889.9
32.5°	597.6	601.7	617.8	638.0	660.1	688.3	719.5	759.8	777.0	781.1	772.0
35°	444.4	450.4	465.6	482.7	509.9	541.2	584.4	622.8	652.0	652.0	644.9
37.5°	320.5	322.5	336.5	347.6	375.9	404.1	441.5	493.8	511.9	519.0	511.9
40°	218.7	218.7	226.8	238.8	262.0	286.2	320.5	359.7	385.9	397.0	385.0
42.5°	139.1	141.1	147.1	155.3	172.3	193.4	219.7	249.0	268.1	276.1	265.0
45°	83.7	85.7	90.7	96.8	107.9	121.0	139.1	160.2	176.3	183.4	178.3
47.5°	50.3	52.4	54.4	58.5	66.5	75.6	84.6	96.8	106.8	107.9	105.9
50°	29.2	29.2	31.2	34.3	38.3	43.4	48.3	55.4	58.5	62.5	58.5
52.5°	19.1	19.1	19.1	20.1	22.1	24.2	26.2	30.2	32.3	32.3	31.2
55°	14.1	14.1	14.1	14.1	15.1	15.1	15.1	16.1	17.1	17.1	17.1
57.5°	10.2	10.2	10.2	11.1	11.1	11.1	10.2	10.2	10.2	10.2	10.2
60°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.0	7.0	7.0
62.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
65°	4.0	4.0	4.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0
67.5°	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0
70°	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4	1599.4
2.5°	1603.4	1598.3	1598.3	1598.3	1596.3	1598.3	1601.4	1596.3
5°	1586.2	1588.2	1579.2	1586.2	1589.2	1584.2	1596.3	1586.2
7.5°	1571.1	1568.0	1554.0	1564.0	1570.1	1572.1	1571.1	1563.1
10°	1540.9	1533.8	1527.8	1527.8	1525.7	1524.7	1535.8	1531.8
12.5°	1486.4	1491.5	1482.4	1487.5	1483.4	1484.4	1485.4	1483.4
15°	1440.1	1435.1	1422.9	1431.0	1426.0	1420.9	1431.0	1415.9
17.5°	1367.5	1366.5	1359.5	1354.4	1356.4	1355.5	1360.4	1353.5
20°	1281.9	1283.9	1279.8	1277.8	1274.9	1267.8	1273.8	1265.8
22.5°	1189.1	1191.1	1195.2	1187.1	1188.1	1178.1	1187.1	1178.1
25°	1095.4	1094.4	1089.4	1085.3	1074.2	1063.1	1061.1	1054.1
27.5°	992.6	985.6	973.4	960.4	943.3	928.2	927.1	922.2
30°	879.7	864.6	842.5	821.3	795.1	772.0	772.0	763.9
32.5°	760.9	726.6	696.3	670.1	636.0	622.8	609.7	602.6
35°	618.8	588.6	552.2	508.9	492.8	460.6	462.6	446.4
37.5°	484.7	447.5	413.2	377.9	349.7	334.5	326.5	318.5
40°	359.7	323.4	286.2	263.0	237.9	224.7	219.7	217.7
42.5°	245.9	215.7	191.4	172.3	159.3	145.1	141.1	139.1
45°	160.2	143.1	121.0	105.9	96.8	88.7	88.7	85.7
47.5°	95.7	84.6	73.6	63.5	57.4	52.4	50.3	49.4
50°	53.4	47.4	41.4	37.2	33.2	30.2	29.2	29.2
52.5°	29.2	26.2	24.2	21.2	19.1	19.1	19.1	18.1
55°	15.1	15.1	15.1	15.1	14.1	14.1	14.1	13.1
57.5°	10.2	10.2	11.1	11.1	11.1	10.2	10.2	10.2
60°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
62.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
65°	4.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0
67.5°	3.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0
70°	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	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)