

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: P844076

Luminaire Tested: **LD6C15DE010B40 EU6C15B40 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844076
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: LD6C15DE010B40 EU6C15B40 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

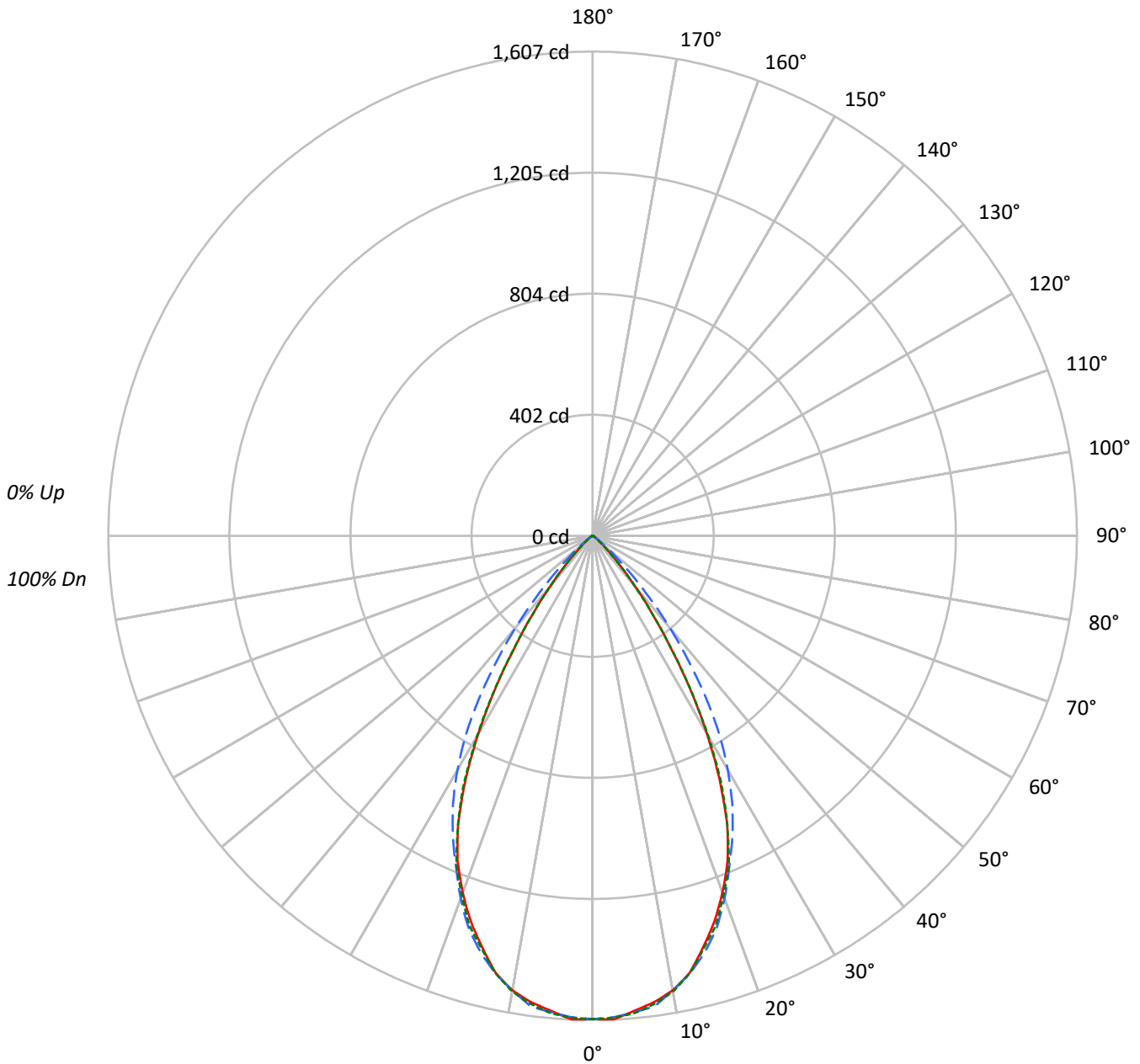
Lumens per Lamp: N/A
Luminaire Lumens: 1507.2 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	69053	69053	69053
5°	68400	68577	68750
10°	66979	66979	67158
15°	63064	63875	63291
20°	57741	58671	58158
25°	50167	52139	50219
30°	37735	44615	38083
35°	23427	34365	23532
40°	12331	22381	12270
45°	5109	11198	5230
50°	1963	4193	1963
55°	1066	1284	983
60°	698	611	698
65°	408	408	408
70°	252	390	252
75°	183	183	183
80°	273	273	273
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	10.0
10°-20°	399.4	26.5
20°-30°	490.2	32.5
30°-40°	338.4	22.5
40°-50°	105.8	7.0
50°-60°	16.5	1.1
60°-70°	4.8	0.3
70°-80°	1.6	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°	1039.7	69.0
0°-40°	1378.1	91.4
0°-60°	1500.5	99.5
0°-90°	1507.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1604	1604	1604	1604	1604	
5°	1583	1589	1587	1587	1591	150
15°	1415	1435	1433	1431	1420	396
25°	1056	1083	1098	1090	1057	473
35°	446	527	654	532	448	285
45°	84	115	184	114	86	75
55°	14	15	17	15	13	14
65°	4	5	4	5	4	4
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°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1606.9	1584.7	1598.8	1595.7	1603.8	1608.9	1603.8	1612.9	1606.9	1599.8	1601.8
5°	1582.6	1585.6	1584.7	1586.7	1588.7	1588.7	1598.8	1599.8	1601.8	1586.7	1590.7
7.5°	1561.4	1561.4	1566.5	1564.3	1571.4	1569.4	1570.5	1578.5	1579.5	1575.5	1572.5
10°	1532.0	1528.0	1523.0	1523.0	1532.0	1533.0	1541.2	1542.1	1548.2	1532.0	1534.1
12.5°	1486.6	1484.5	1476.5	1480.5	1487.6	1483.5	1496.7	1497.7	1495.7	1488.6	1492.6
15°	1414.8	1422.9	1420.8	1419.9	1436.1	1434.0	1433.0	1436.1	1437.0	1433.0	1430.0
17.5°	1343.1	1350.2	1351.1	1353.1	1356.2	1359.3	1363.3	1374.4	1370.4	1367.3	1377.5
20°	1260.2	1257.1	1265.2	1273.3	1276.4	1276.4	1282.5	1290.5	1284.5	1280.5	1281.4
22.5°	1170.3	1175.3	1171.2	1179.4	1183.4	1188.5	1194.5	1201.6	1196.5	1185.4	1198.6
25°	1056.0	1059.1	1072.2	1071.3	1077.3	1089.5	1098.5	1098.5	1098.5	1097.5	1097.5
27.5°	912.5	910.5	926.7	937.8	952.9	972.2	984.3	1003.5	1006.5	1003.5	996.4
30°	759.0	756.9	777.1	791.3	818.6	827.7	861.0	879.2	898.5	897.4	892.3
32.5°	599.3	603.4	619.6	639.8	661.9	690.2	721.5	761.9	779.2	783.2	774.1
35°	445.7	451.7	466.8	484.1	511.4	542.7	586.1	624.5	653.8	653.8	646.7
37.5°	321.4	323.4	337.5	348.7	376.9	405.2	442.6	495.2	513.4	520.5	513.4
40°	219.4	219.4	227.4	239.6	262.7	287.0	321.4	360.8	387.1	398.2	386.0
42.5°	139.5	141.5	147.5	155.7	172.8	194.1	220.3	249.6	268.9	276.9	265.8
45°	83.9	85.9	91.0	97.0	108.2	121.3	139.5	160.7	176.8	183.9	178.8
47.5°	50.6	52.6	54.6	58.6	66.7	75.8	84.8	97.0	107.1	108.2	106.2
50°	29.3	29.3	31.3	34.4	38.4	43.5	48.5	55.5	58.6	62.6	58.6
52.5°	19.1	19.1	19.1	20.2	22.2	24.3	26.3	30.4	32.4	32.4	31.3
55°	14.2	14.2	14.2	14.2	15.1	15.1	15.1	16.2	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	7.1	7.1	7.1
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	5.1	5.1	5.1	5.1	4.0	4.0	4.0	4.0
67.5°	3.1	3.1	3.1	4.0	4.0	4.0	4.0	4.0	3.1	3.1	3.1
70°	2.0	2.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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°	1.1	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°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1607.8	1602.8	1602.8	1602.8	1600.8	1602.8	1605.8	1600.8
5°	1590.7	1592.7	1583.6	1590.7	1593.6	1588.7	1600.8	1590.7
7.5°	1575.5	1572.5	1558.3	1568.5	1574.5	1576.5	1575.5	1567.4
10°	1545.2	1538.1	1532.0	1532.0	1530.0	1529.0	1540.1	1536.1
12.5°	1490.6	1495.7	1486.6	1491.6	1487.6	1488.6	1489.6	1487.6
15°	1444.1	1439.1	1427.0	1435.0	1430.0	1424.9	1435.0	1419.9
17.5°	1371.3	1370.4	1363.3	1358.2	1360.2	1359.3	1364.2	1357.3
20°	1285.4	1287.5	1283.4	1281.4	1278.5	1271.3	1277.4	1269.3
22.5°	1192.5	1194.5	1198.6	1190.5	1191.4	1181.4	1190.5	1181.4
25°	1098.5	1097.5	1092.4	1088.4	1077.3	1066.1	1064.1	1057.1
27.5°	995.4	988.4	976.2	963.1	945.9	930.7	929.8	924.7
30°	882.3	867.0	844.8	823.6	797.4	774.1	774.1	766.0
32.5°	763.0	728.6	698.2	672.0	637.6	624.5	611.4	604.3
35°	620.5	590.2	553.8	510.3	494.2	461.9	463.9	447.7
37.5°	486.1	448.8	414.4	379.0	350.7	335.5	327.4	319.3
40°	360.8	324.4	287.0	263.8	238.5	225.4	220.3	218.3
42.5°	246.5	216.3	192.1	172.8	159.7	145.5	141.5	139.5
45°	160.7	143.5	121.3	106.2	97.0	88.9	88.9	85.9
47.5°	96.0	84.8	73.8	63.7	57.6	52.6	50.6	49.5
50°	53.5	47.5	41.5	37.3	33.3	30.4	29.3	29.3
52.5°	29.3	26.3	24.3	21.2	19.1	19.1	19.1	18.2
55°	15.1	15.1	15.1	15.1	14.2	14.2	14.2	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	5.1	5.1	5.1	5.1	4.0	4.0	4.0
67.5°	3.1	4.0	4.0	4.0	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1	3.1	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°	1.1	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)