

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: P844042

Luminaire Tested: **LD6C15DE010B2750 EU6C15B30 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844042
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 EU6C15B30 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

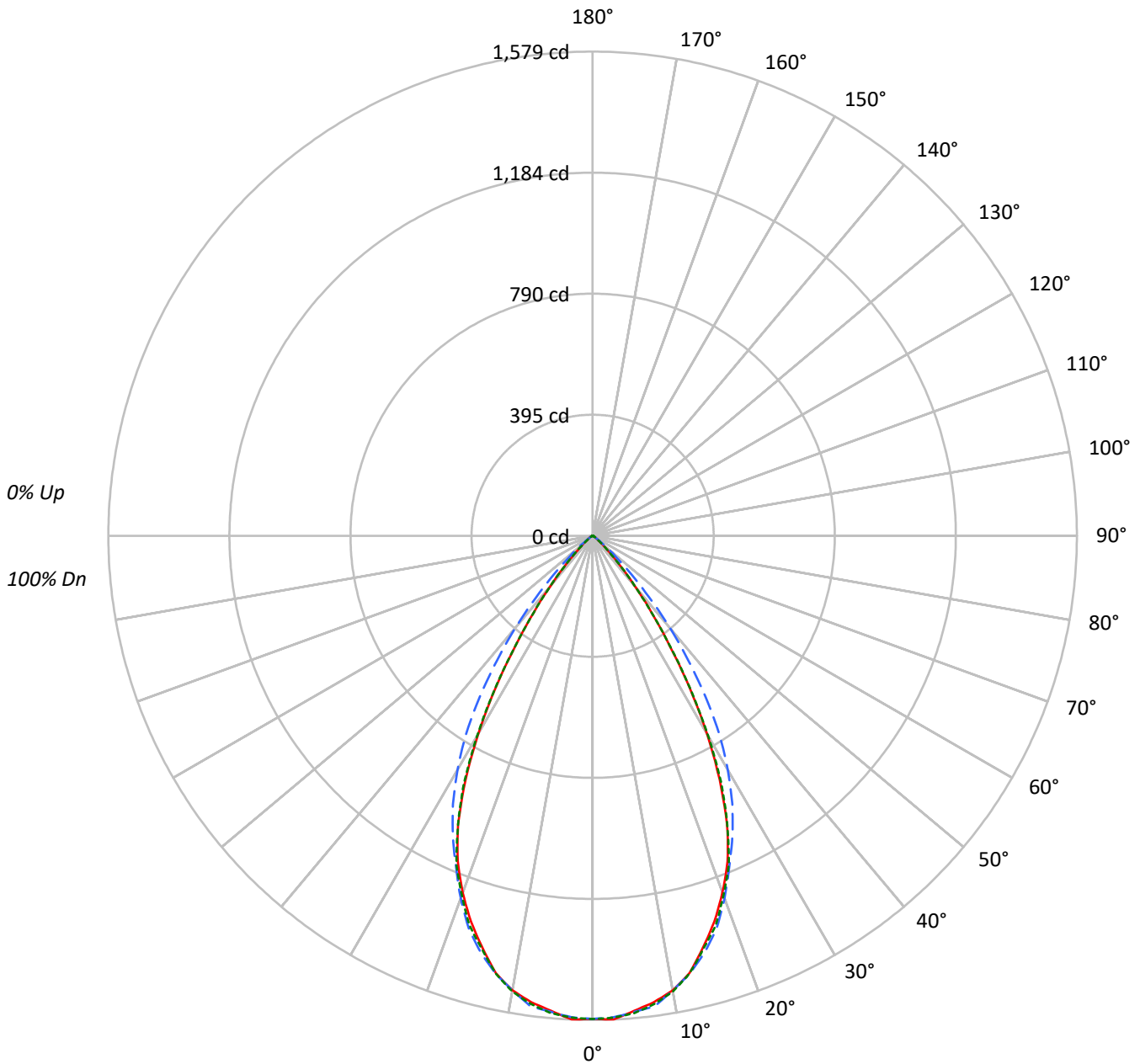
Lumens per Lamp: N/A
Luminaire Lumens: 1480.7 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	67843	67843	67843
5°	67199	67372	67544
10°	65803	65803	65978
15°	61954	62752	62177
20°	56728	57636	57141
25°	49288	51226	49336
30°	37069	43830	37417
35°	23017	33765	23122
40°	12107	21987	12056
45°	5017	10997	5139
50°	1929	4126	1929
55°	1043	1269	968
60°	680	594	680
65°	397	397	397
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°	147.5	10.0
10°-20°	392.4	26.5
20°-30°	481.6	32.5
30°-40°	332.5	22.5
40°-50°	103.9	7.0
50°-60°	16.2	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°	1021.5	69.0
0°-40°	1353.9	91.4
0°-60°	1474.1	99.6
0°-90°	1480.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1576	1576	1576	1576	1576	
5°	1555	1561	1559	1559	1563	147
15°	1390	1410	1408	1406	1395	389
25°	1038	1064	1078	1071	1038	465
35°	438	518	642	523	440	280
45°	82	113	181	112	84	74
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°	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7
2.5°	1578.6	1556.8	1570.7	1567.7	1575.7	1580.6	1575.7	1584.5	1578.6	1571.7	1573.7
5°	1554.8	1557.8	1556.8	1558.8	1560.8	1560.8	1570.7	1571.7	1573.7	1558.8	1562.8
7.5°	1534.0	1534.0	1539.0	1537.0	1543.9	1541.9	1542.9	1550.8	1551.8	1547.8	1544.9
10°	1505.1	1501.2	1496.2	1496.2	1505.1	1506.2	1514.1	1515.1	1521.0	1505.1	1507.2
12.5°	1460.5	1458.5	1450.5	1454.6	1461.5	1457.5	1470.4	1471.4	1469.4	1462.5	1466.4
15°	1389.9	1398.0	1396.0	1394.9	1410.8	1408.9	1407.8	1410.8	1411.8	1407.8	1404.9
17.5°	1319.5	1326.5	1327.4	1329.4	1332.4	1335.4	1339.4	1350.3	1346.3	1343.3	1353.2
20°	1238.1	1235.1	1243.0	1251.0	1253.9	1253.9	1260.0	1267.9	1262.0	1257.9	1258.9
22.5°	1149.8	1154.7	1150.7	1158.6	1162.7	1167.6	1173.6	1180.5	1175.6	1164.7	1177.6
25°	1037.5	1040.5	1053.4	1052.5	1058.4	1070.3	1079.2	1079.2	1079.2	1078.3	1078.3
27.5°	896.6	894.5	910.5	921.3	936.2	955.1	967.0	985.9	988.9	985.9	978.9
30°	745.6	743.6	763.5	777.4	804.2	813.2	845.9	863.8	882.7	881.6	876.7
32.5°	588.8	592.8	608.7	628.4	650.3	678.2	708.9	748.6	765.5	769.4	760.5
35°	437.9	443.8	458.7	475.6	502.4	533.2	575.8	613.6	642.4	642.4	635.4
37.5°	315.7	317.7	331.6	342.6	370.3	398.1	434.9	486.5	504.4	511.3	504.4
40°	215.4	215.4	223.4	235.3	258.2	282.0	315.7	354.4	380.2	391.2	379.3
42.5°	137.1	139.0	144.9	152.9	169.8	190.6	216.5	245.3	264.1	272.0	261.1
45°	82.4	84.4	89.4	95.3	106.3	119.2	137.1	157.9	173.8	180.6	175.8
47.5°	49.6	51.6	53.6	57.6	65.5	74.5	83.3	95.3	105.2	106.3	104.3
50°	28.8	28.8	30.8	33.7	37.7	42.7	47.7	54.6	57.6	61.6	57.6
52.5°	18.8	18.8	18.8	19.9	21.8	23.9	25.8	29.8	31.7	31.7	30.8
55°	13.9	13.9	13.9	13.9	14.9	14.9	14.9	15.9	16.9	16.9	16.9
57.5°	9.9	9.9	9.9	10.9	10.9	10.9	9.9	9.9	9.9	9.9	9.9
60°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	6.9	6.9	6.9
62.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
65°	3.9	3.9	3.9	5.0	5.0	5.0	5.0	3.9	3.9	3.9	3.9
67.5°	3.0	3.0	3.0	3.9	3.9	3.9	3.9	3.9	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°	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7	1575.7
2.5°	1579.6	1574.7	1574.7	1574.7	1572.7	1574.7	1577.7	1572.7
5°	1562.8	1564.8	1555.8	1562.8	1565.7	1560.8	1572.7	1562.8
7.5°	1547.8	1544.9	1531.0	1541.0	1546.9	1548.8	1547.8	1539.9
10°	1518.0	1511.1	1505.1	1505.1	1503.2	1502.2	1513.2	1509.1
12.5°	1464.5	1469.4	1460.5	1465.5	1461.5	1462.5	1463.4	1461.5
15°	1418.8	1413.8	1401.9	1409.8	1404.9	1400.0	1409.8	1394.9
17.5°	1347.3	1346.3	1339.4	1334.4	1336.4	1335.4	1340.3	1333.5
20°	1262.9	1264.9	1260.9	1258.9	1255.9	1249.0	1255.0	1247.1
22.5°	1171.5	1173.6	1177.6	1169.5	1170.6	1160.6	1169.5	1160.6
25°	1079.2	1078.3	1073.3	1069.3	1058.4	1047.5	1045.5	1038.5
27.5°	978.0	971.0	959.1	946.2	929.3	914.4	913.5	908.5
30°	866.7	851.8	830.0	809.2	783.4	760.5	760.5	752.6
32.5°	749.7	715.8	686.0	660.3	626.5	613.6	600.6	593.8
35°	609.6	579.8	544.0	501.4	485.6	453.7	455.7	439.9
37.5°	477.5	440.8	407.1	372.4	344.6	329.7	321.6	313.8
40°	354.4	318.7	282.0	259.1	234.4	221.4	216.5	214.5
42.5°	242.2	212.5	188.7	169.8	156.8	143.0	139.0	137.1
45°	157.9	141.0	119.2	104.3	95.3	87.4	87.4	84.4
47.5°	94.3	83.3	72.6	62.5	56.6	51.6	49.6	48.7
50°	52.6	46.6	40.7	36.7	32.8	29.8	28.8	28.8
52.5°	28.8	25.8	23.9	20.8	18.8	18.8	18.8	17.9
55°	14.9	14.9	14.9	14.9	13.9	13.9	13.9	12.9
57.5°	9.9	9.9	10.9	10.9	10.9	9.9	9.9	9.9
60°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
62.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
65°	3.9	5.0	5.0	5.0	5.0	3.9	3.9	3.9
67.5°	3.0	3.9	3.9	3.9	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)