

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: P844059

Luminaire Tested: **LD6C15DE010B2750 EU6C15B35 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844059
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 EU6C15B35 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

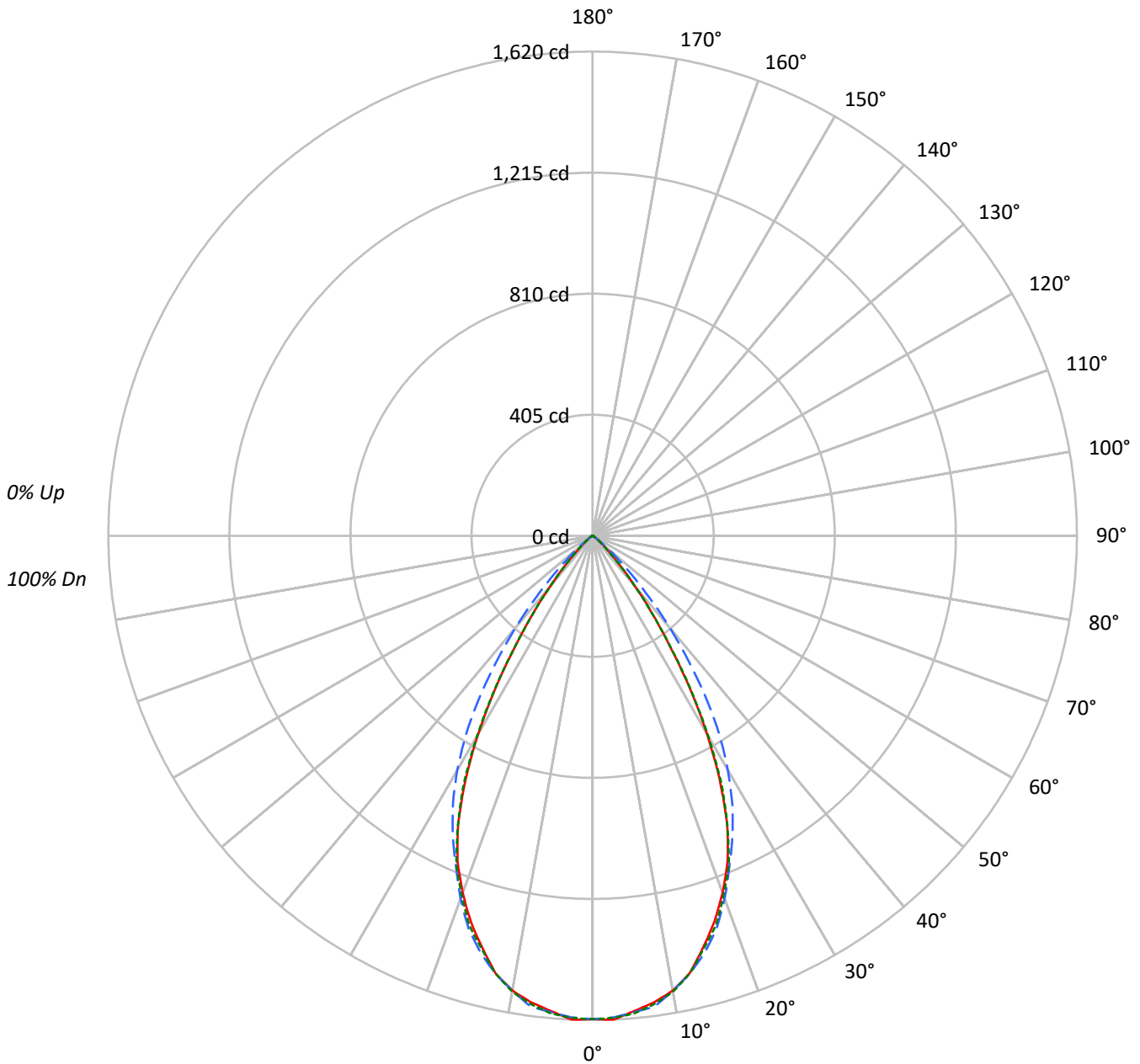
Lumens per Lamp: N/A
Luminaire Lumens: 1519.9 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	69634	69634	69634
5°	68979	69152	69325
10°	67543	67543	67722
15°	63594	64410	63822
20°	58222	59161	58644
25°	50590	52576	50642
30°	38048	44988	38406
35°	23621	34654	23731
40°	12433	22572	12376
45°	5151	11289	5273
50°	1983	4227	1983
55°	1073	1299	991
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°	151.4	10.0
10°-20°	402.8	26.5
20°-30°	494.3	32.5
30°-40°	341.2	22.5
40°-50°	106.7	7.0
50°-60°	16.7	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°	1048.5	69.0
0°-40°	1389.7	91.4
0°-60°	1513.1	99.6
0°-90°	1519.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1617	1617	1617	1617	1617	
5°	1596	1602	1600	1600	1604	151
15°	1427	1447	1445	1443	1432	399
25°	1065	1092	1107	1100	1066	477
35°	449	531	659	536	452	287
45°	85	116	185	115	87	76
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°	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3
2.5°	1620.4	1598.0	1612.3	1609.1	1617.3	1622.4	1617.3	1626.4	1620.4	1613.2	1615.3
5°	1596.0	1598.9	1598.0	1600.0	1602.0	1602.0	1612.3	1613.2	1615.3	1600.0	1604.0
7.5°	1574.5	1574.5	1579.6	1577.6	1584.7	1582.6	1583.7	1591.8	1592.8	1588.8	1585.7
10°	1544.9	1540.9	1535.8	1535.8	1544.9	1545.9	1554.1	1555.1	1561.3	1544.9	1547.0
12.5°	1499.1	1497.0	1488.9	1493.0	1500.1	1496.0	1509.2	1510.3	1508.3	1501.1	1505.2
15°	1426.7	1434.9	1432.8	1431.8	1448.1	1446.1	1445.0	1448.1	1449.2	1445.0	1442.0
17.5°	1354.4	1361.5	1362.5	1364.6	1367.6	1370.7	1374.8	1386.0	1381.9	1378.8	1389.0
20°	1270.7	1267.8	1275.9	1284.1	1287.0	1287.0	1293.3	1301.3	1295.3	1291.2	1292.2
22.5°	1180.1	1185.2	1181.2	1189.3	1193.3	1198.4	1204.5	1211.7	1206.5	1195.4	1208.7
25°	1064.9	1068.0	1081.3	1080.3	1086.4	1098.6	1107.8	1107.8	1107.8	1106.7	1106.7
27.5°	920.2	918.2	934.5	945.7	961.0	980.4	992.6	1011.9	1015.0	1011.9	1004.9
30°	765.3	763.3	783.7	798.0	825.5	834.7	868.3	886.6	906.0	904.9	899.9
32.5°	604.3	608.5	624.7	645.1	667.5	696.0	727.7	768.4	785.7	789.8	780.6
35°	449.4	455.5	470.9	488.1	515.7	547.2	591.0	629.8	659.3	659.3	652.2
37.5°	324.1	326.1	340.3	351.6	380.1	408.7	446.4	499.4	517.7	524.8	517.7
40°	221.2	221.2	229.3	241.6	264.9	289.5	324.1	363.8	390.3	401.6	389.3
42.5°	140.7	142.7	148.8	157.0	174.3	195.7	222.2	251.7	271.1	279.2	268.0
45°	84.6	86.6	91.7	97.8	109.0	122.4	140.7	162.0	178.3	185.4	180.3
47.5°	51.0	53.0	55.0	59.1	67.3	76.5	85.6	97.8	108.1	109.0	107.0
50°	29.6	29.6	31.6	34.7	38.7	43.9	48.9	56.1	59.1	63.1	59.1
52.5°	19.4	19.4	19.4	20.4	22.4	24.5	26.5	30.6	32.6	32.6	31.6
55°	14.3	14.3	14.3	14.3	15.3	15.3	15.3	16.3	17.3	17.3	17.3
57.5°	10.3	10.3	10.3	11.2	11.2	11.2	10.3	10.3	10.3	10.3	10.3
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°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
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°	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3	1617.3
2.5°	1621.4	1616.3	1616.3	1616.3	1614.3	1616.3	1619.3	1614.3
5°	1604.0	1606.1	1596.9	1604.0	1607.1	1602.0	1614.3	1604.0
7.5°	1588.8	1585.7	1571.4	1581.7	1587.7	1589.7	1588.8	1580.6
10°	1558.2	1551.1	1544.9	1544.9	1542.9	1541.9	1553.1	1549.0
12.5°	1503.2	1508.3	1499.1	1504.2	1500.1	1501.1	1502.2	1500.1
15°	1456.3	1451.2	1439.0	1447.1	1442.0	1436.9	1447.1	1431.8
17.5°	1382.9	1381.9	1374.8	1369.7	1371.8	1370.7	1375.8	1368.7
20°	1296.2	1298.4	1294.2	1292.2	1289.1	1282.1	1288.2	1279.9
22.5°	1202.5	1204.5	1208.7	1200.5	1201.5	1191.3	1200.5	1191.3
25°	1107.8	1106.7	1101.6	1097.6	1086.4	1075.1	1073.1	1066.0
27.5°	1003.8	996.7	984.4	971.2	953.9	938.5	937.6	932.5
30°	889.7	874.3	852.0	830.6	804.1	780.6	780.6	772.5
32.5°	769.4	734.7	704.2	677.7	643.0	629.8	616.6	609.4
35°	625.7	595.1	558.4	514.6	498.4	465.8	467.8	451.5
37.5°	490.2	452.5	417.9	382.2	353.7	338.3	330.2	322.0
40°	363.8	327.1	289.5	266.0	240.5	227.3	222.2	220.2
42.5°	248.6	218.1	193.7	174.3	161.0	146.7	142.7	140.7
45°	162.0	144.7	122.4	107.0	97.8	89.7	89.7	86.6
47.5°	96.8	85.6	74.5	64.2	58.1	53.0	51.0	49.9
50°	53.9	47.9	41.8	37.7	33.6	30.6	29.6	29.6
52.5°	29.6	26.5	24.5	21.4	19.4	19.4	19.4	18.3
55°	15.3	15.3	15.3	15.3	14.3	14.3	14.3	13.2
57.5°	10.3	10.3	11.2	11.2	11.2	10.3	10.3	10.3
60°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
62.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
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)