

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: P844008

Luminaire Tested: **LD6C10DE010B50 EU6C10B50 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844008
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: LD6C10DE010B50 EU6C10B50 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

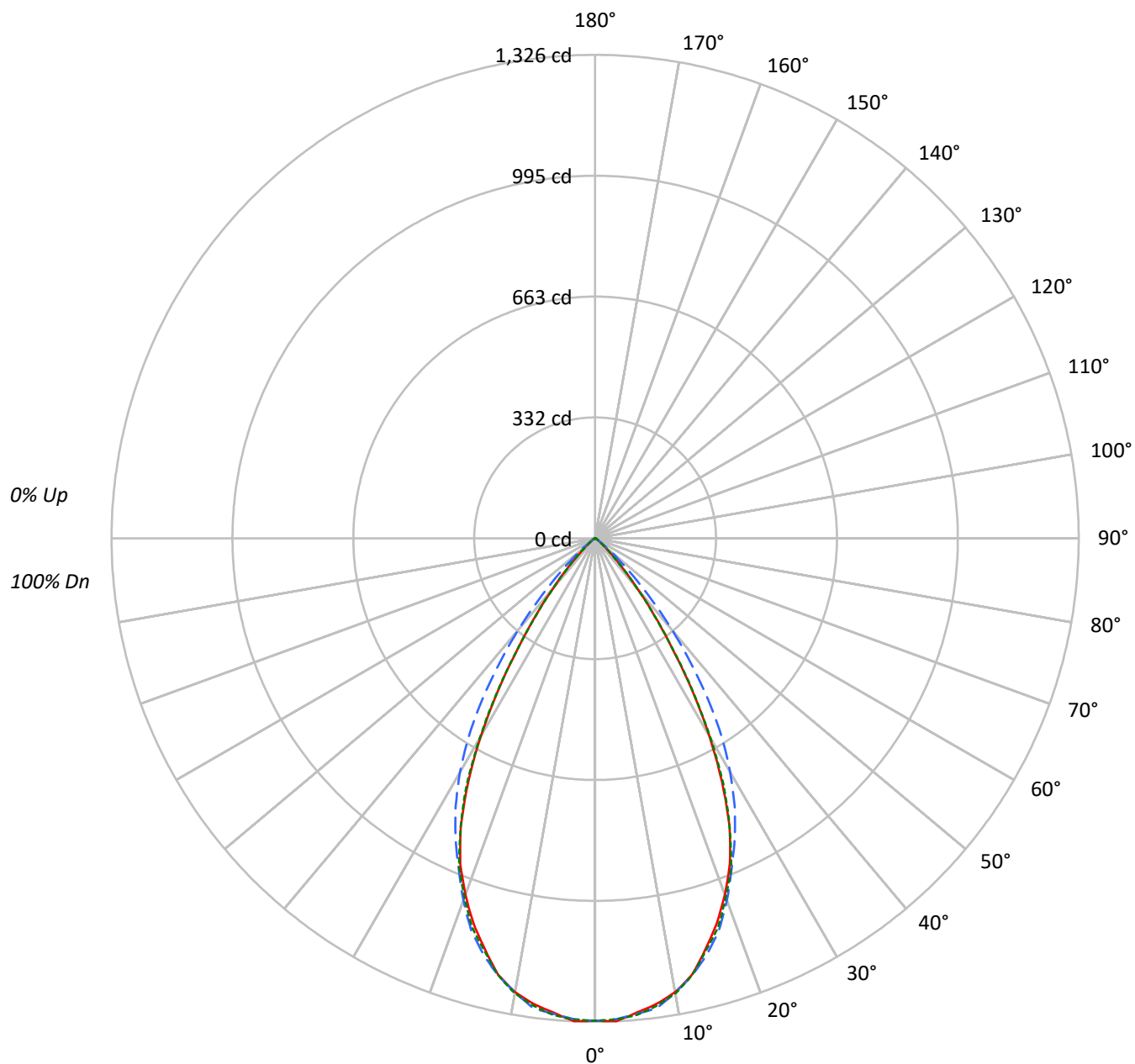
Lumens per Lamp: N/A
Luminaire Lumens: 1243.8 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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

TEST NUMBER: P844008

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBSQLI

Luminous Intensity Polar Plot





TEST NUMBER: P844008

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	111	108	106	111	108	106	104		104	103	101			101	99	98			97
2	108	103	99	95	106	101	97	94		98	95	92			95	92	90			92
3	102	96	91	87	100	94	90	86		92	88	85			89	86	83			87
4	97	89	84	79	95	88	83	79		86	82	78			84	80	77			82
5	92	83	78	73	90	82	77	73		81	76	72			79	75	72			77
6	87	78	72	68	86	77	72	67		76	71	67			74	70	67			73
7	83	73	67	63	81	73	67	63		71	66	62			70	66	62			69
8	79	69	63	59	77	68	63	59		67	62	58			66	62	58			65
9	75	65	59	55	74	64	59	55		64	58	55			63	58	54			62
10	71	61	55	52	70	61	55	51		60	55	51			59	55	51			59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	56984	56984	56984
5°	56450	56592	56735
10°	55275	55275	55424
15°	52045	52714	52232
20°	47652	48417	47995
25°	41402	43032	41440
30°	31137	36820	31426
35°	19332	28362	19416
40°	10173	18469	10123
45°	4214	9243	4317
50°	1621	3463	1621
55°	871	1066	818
60°	577	499	577
65°	336	336	336
70°	214	315	214
75°	133	133	133
80°	198	198	198
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	10.0
10°-20°	329.6	26.5
20°-30°	404.5	32.5
30°-40°	279.3	22.5
40°-50°	87.3	7.0
50°-60°	13.6	1.1
60°-70°	3.9	0.3
70°-80°	1.3	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°	858.0	69.0
0°-40°	1137.3	91.4
0°-60°	1238.3	99.6
0°-90°	1243.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1243.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1306	1311	1309	1310	1313	123
15°	1168	1184	1183	1181	1172	327
25°	872	894	906	900	872	390
35°	368	435	540	439	369	235
45°	69	95	152	94	71	62
55°	12	12	14	12	11	11
65°	3	4	3	4	3	4
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P844008

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBSQLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1326.1	1307.8	1319.4	1316.9	1323.5	1327.8	1323.5	1331.0	1326.1	1320.2	1321.9
5°	1306.1	1308.6	1307.8	1309.4	1311.0	1311.0	1319.4	1320.2	1321.9	1309.4	1312.7
7.5°	1288.5	1288.5	1292.7	1291.1	1296.9	1295.2	1296.0	1302.7	1303.5	1300.1	1297.7
10°	1264.3	1261.0	1256.9	1256.9	1264.3	1265.1	1271.8	1272.7	1277.6	1264.3	1266.0
12.5°	1226.9	1225.2	1218.5	1221.8	1227.7	1224.3	1235.1	1236.0	1234.3	1228.5	1231.8
15°	1167.6	1174.3	1172.6	1171.8	1185.1	1183.4	1182.6	1185.1	1185.9	1182.6	1180.1
17.5°	1108.4	1114.2	1115.1	1116.8	1119.2	1121.7	1125.1	1134.3	1130.9	1128.4	1136.7
20°	1040.0	1037.4	1044.2	1050.9	1053.3	1053.3	1058.4	1065.0	1060.0	1056.7	1057.5
22.5°	965.7	970.0	966.6	973.2	976.6	980.7	985.7	991.6	987.4	978.3	989.1
25°	871.5	874.0	884.9	884.1	889.0	899.1	906.5	906.5	906.5	905.8	905.8
27.5°	753.1	751.4	764.8	774.0	786.5	802.3	812.3	828.1	830.7	828.1	822.3
30°	626.3	624.6	641.3	653.0	675.5	683.0	710.6	725.6	741.4	740.6	736.4
32.5°	494.5	497.9	511.3	528.0	546.3	569.6	595.4	628.8	643.0	646.3	638.8
35°	367.8	372.8	385.3	399.5	422.0	447.9	483.7	515.4	539.6	539.6	533.8
37.5°	265.3	266.8	278.6	287.8	311.1	334.4	365.3	408.7	423.7	429.5	423.7
40°	181.0	181.0	187.6	197.7	216.8	236.9	265.3	297.7	319.4	328.6	318.6
42.5°	115.1	116.8	121.7	128.5	142.7	160.1	181.8	206.0	221.9	228.6	219.4
45°	69.2	70.9	75.1	80.1	89.3	100.1	115.1	132.6	146.0	151.8	147.6
47.5°	41.7	43.4	45.1	48.4	55.0	62.6	70.0	80.1	88.4	89.3	87.6
50°	24.2	24.2	25.8	28.3	31.6	35.9	40.0	45.8	48.4	51.7	48.4
52.5°	15.9	15.9	15.9	16.7	18.3	20.0	21.7	25.1	26.7	26.7	25.8
55°	11.6	11.6	11.6	11.6	12.5	12.5	12.5	13.3	14.2	14.2	14.2
57.5°	8.4	8.4	8.4	9.2	9.2	9.2	8.4	8.4	8.4	8.4	8.4
60°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	5.8	5.8	5.8
62.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
65°	3.3	3.3	3.3	4.1	4.1	4.1	4.1	3.3	3.3	3.3	3.3
67.5°	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3	2.5	2.5	2.5
70°	1.7	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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



TEST NUMBER: P844008

CATALOG NUMBER: LD6C10DE010B50 EU6C10B50 6LBSQLI

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5	1323.5
2.5°	1326.9	1322.8	1322.8	1322.8	1321.1	1322.8	1325.2	1321.1
5°	1312.7	1314.3	1306.9	1312.7	1315.2	1311.0	1321.1	1312.7
7.5°	1300.1	1297.7	1286.0	1294.3	1299.4	1301.0	1300.1	1293.6
10°	1275.2	1269.4	1264.3	1264.3	1262.7	1261.9	1271.1	1267.7
12.5°	1230.1	1234.3	1226.9	1231.0	1227.7	1228.5	1229.3	1227.7
15°	1191.7	1187.6	1177.6	1184.2	1180.1	1176.0	1184.2	1171.8
17.5°	1131.7	1130.9	1125.1	1120.9	1122.6	1121.7	1125.9	1120.0
20°	1060.8	1062.5	1059.2	1057.5	1055.0	1049.2	1054.2	1047.5
22.5°	984.1	985.7	989.1	982.4	983.3	974.9	982.4	974.9
25°	906.5	905.8	901.5	898.2	889.0	879.8	878.2	872.3
27.5°	821.5	815.6	805.7	794.8	780.6	768.2	767.3	763.1
30°	728.1	715.6	697.2	679.7	658.1	638.8	638.8	632.1
32.5°	629.7	601.3	576.3	554.6	526.3	515.4	504.6	498.8
35°	512.1	487.0	457.0	421.1	407.8	381.2	382.9	369.4
37.5°	401.2	370.3	341.9	312.7	289.4	276.9	270.2	263.6
40°	297.7	267.7	236.9	217.7	196.8	185.9	181.8	180.1
42.5°	203.5	178.4	158.4	142.7	131.8	120.0	116.8	115.1
45°	132.6	118.5	100.1	87.6	80.1	73.4	73.4	70.9
47.5°	79.2	70.0	60.9	52.6	47.6	43.4	41.7	40.8
50°	44.2	39.2	34.3	30.9	27.5	25.1	24.2	24.2
52.5°	24.2	21.7	20.0	17.5	15.9	15.9	15.9	15.0
55°	12.5	12.5	12.5	12.5	11.6	11.6	11.6	10.9
57.5°	8.4	8.4	9.2	9.2	9.2	8.4	8.4	8.4
60°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
62.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
65°	3.3	4.1	4.1	4.1	4.1	3.3	3.3	3.3
67.5°	2.5	3.3	3.3	3.3	2.5	2.5	2.5	2.5
70°	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	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)