

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: P843974

Luminaire Tested: **LD6C10DE010B35 EU6C10B35 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843974
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: LD6C10DE010B35 EU6C10B35 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

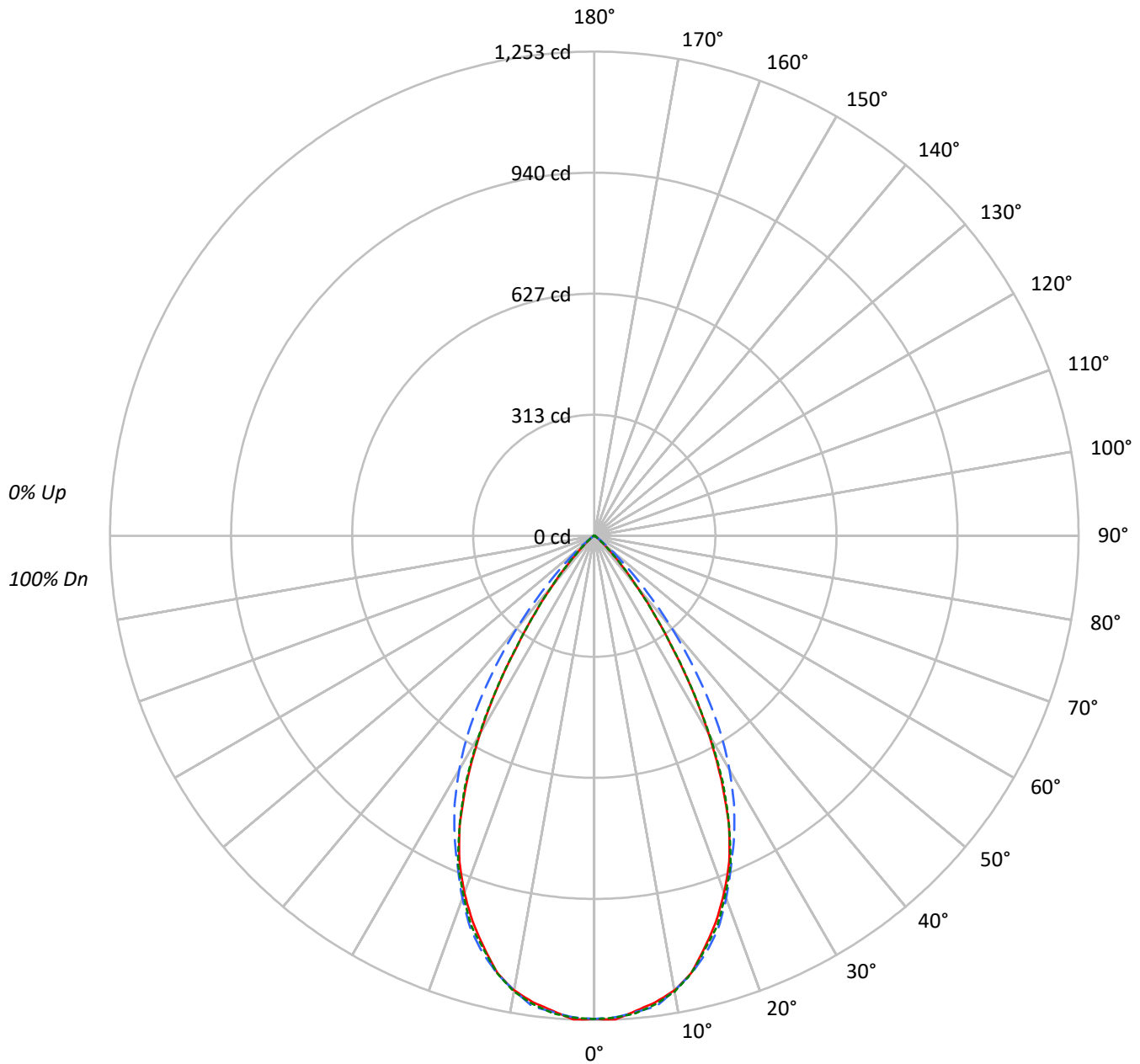
Lumens per Lamp: N/A
Luminaire Lumens: 1175.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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: P843974

CATALOG NUMBER: LD6C10DE010B35 EU6C10B35 6LBSQLI

Luminous Intensity Polar Plot





TEST NUMBER: P843974

CATALOG NUMBER: LD6C10DE010B35 EU6C10B35 6LBSQLI

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°	53837	53837	53837
5°	53325	53463	53602
10°	52223	52223	52363
15°	49166	49803	49344
20°	45017	45741	45342
25°	39117	40647	39150
30°	29417	34782	29691
35°	18260	26796	18344
40°	9611	17446	9566
45°	3982	8732	4074
50°	1527	3275	1527
55°	826	1006	773
60°	543	474	543
65°	326	326	326
70°	201	290	201
75°	116	116	116
80°	174	174	174
85°	0	0	0



TEST NUMBER: P843974

CATALOG NUMBER: LD6C10DE010B35 EU6C10B35 6LBSQLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	10.0
10°-20°	311.4	26.5
20°-30°	382.2	32.5
30°-40°	263.8	22.5
40°-50°	82.5	7.0
50°-60°	12.9	1.1
60°-70°	3.7	0.3
70°-80°	1.2	0.1
80°-90°	0.2	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°	810.6	69.0
0°-40°	1074.4	91.4
0°-60°	1169.8	99.6
0°-90°	1175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1250	1250	1250	1250	1250	
5°	1234	1239	1237	1237	1240	117
15°	1103	1119	1117	1116	1107	309
25°	823	845	856	850	824	369
35°	347	411	510	415	349	222
45°	65	89	143	89	67	59
55°	11	12	13	12	10	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: P843974

CATALOG NUMBER: LD6C10DE010B35 EU6C10B35 6LBSQLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4
2.5°	1252.8	1235.4	1246.5	1244.1	1250.4	1254.4	1250.4	1257.4	1252.8	1247.3	1248.9
5°	1233.8	1236.3	1235.4	1237.0	1238.6	1238.6	1246.5	1247.3	1248.9	1237.0	1240.2
7.5°	1217.3	1217.3	1221.2	1219.7	1225.2	1223.6	1224.4	1230.7	1231.5	1228.3	1226.0
10°	1194.5	1191.3	1187.4	1187.4	1194.5	1195.2	1201.6	1202.3	1207.1	1194.5	1196.1
12.5°	1159.1	1157.4	1151.1	1154.3	1159.8	1156.6	1166.9	1167.6	1166.0	1160.5	1163.7
15°	1103.0	1109.4	1107.8	1107.0	1119.6	1118.0	1117.3	1119.6	1120.4	1117.3	1114.9
17.5°	1047.2	1052.7	1053.4	1055.0	1057.3	1059.7	1062.9	1071.6	1068.4	1066.0	1073.9
20°	982.5	980.1	986.5	992.7	995.1	995.1	999.9	1006.1	1001.5	998.3	999.0
22.5°	912.4	916.3	913.2	919.5	922.7	926.6	931.2	936.9	932.8	924.3	934.4
25°	823.4	825.7	836.0	835.2	839.9	849.4	856.5	856.5	856.5	855.6	855.6
27.5°	711.5	709.9	722.5	731.1	743.0	758.0	767.4	782.3	784.8	782.3	776.8
30°	591.7	590.2	605.9	616.9	638.2	645.3	671.3	685.5	700.5	699.6	695.7
32.5°	467.3	470.4	483.0	498.8	516.0	538.1	562.6	594.1	607.5	610.7	603.5
35°	347.4	352.2	364.0	377.4	398.7	423.2	457.0	486.9	509.8	509.8	504.3
37.5°	250.6	252.1	263.1	271.8	293.9	315.9	345.1	386.0	400.2	405.7	400.2
40°	171.0	171.0	177.3	186.8	204.9	223.8	250.6	281.2	301.7	310.4	301.0
42.5°	108.7	110.3	115.1	121.3	134.7	151.2	171.8	194.6	209.6	215.9	207.2
45°	65.4	66.9	71.0	75.6	84.3	94.6	108.7	125.2	137.9	143.4	139.5
47.5°	39.3	40.9	42.5	45.7	52.0	59.1	66.2	75.6	83.6	84.3	82.7
50°	22.8	22.8	24.4	26.8	29.9	33.8	37.9	43.4	45.7	48.9	45.7
52.5°	14.9	14.9	14.9	15.8	17.3	18.9	20.5	23.7	25.2	25.2	24.4
55°	11.0	11.0	11.0	11.0	11.8	11.8	11.8	12.6	13.4	13.4	13.4
57.5°	7.9	7.9	7.9	8.7	8.7	8.7	7.9	7.9	7.9	7.9	7.9
60°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	5.5	5.5	5.5
62.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
65°	3.2	3.2	3.2	3.9	3.9	3.9	3.9	3.2	3.2	3.2	3.2
67.5°	2.3	2.3	2.3	3.2	3.2	3.2	3.2	3.2	2.3	2.3	2.3
70°	1.6	1.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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: P843974

CATALOG NUMBER: LD6C10DE010B35 EU6C10B35 6LBSQLI

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4	1250.4
2.5°	1253.5	1249.6	1249.6	1249.6	1248.0	1249.6	1252.0	1248.0
5°	1240.2	1241.8	1234.7	1240.2	1242.5	1238.6	1248.0	1240.2
7.5°	1228.3	1226.0	1214.9	1222.8	1227.6	1229.1	1228.3	1222.1
10°	1204.6	1199.1	1194.5	1194.5	1192.9	1192.1	1200.7	1197.7
12.5°	1162.1	1166.0	1159.1	1163.0	1159.8	1160.5	1161.4	1159.8
15°	1126.0	1122.0	1112.5	1118.8	1114.9	1110.9	1118.8	1107.0
17.5°	1069.2	1068.4	1062.9	1059.0	1060.5	1059.7	1063.7	1058.2
20°	1002.2	1003.8	1000.6	999.0	996.7	991.2	996.0	989.6
22.5°	929.7	931.2	934.4	928.2	928.9	921.1	928.2	921.1
25°	856.5	855.6	851.7	848.5	839.9	831.2	829.6	824.1
27.5°	776.1	770.6	761.1	750.9	737.5	725.6	724.9	721.0
30°	687.9	676.0	658.7	642.1	621.7	603.5	603.5	597.2
32.5°	594.9	568.1	544.4	524.0	497.2	486.9	476.7	471.2
35°	483.8	460.2	431.7	397.9	385.3	360.1	361.6	349.0
37.5°	379.0	349.9	323.0	295.5	273.4	261.6	255.3	249.0
40°	281.2	252.9	223.8	205.6	185.9	175.7	171.8	170.2
42.5°	192.3	168.6	149.7	134.7	124.5	113.5	110.3	108.7
45°	125.2	111.9	94.6	82.7	75.6	69.4	69.4	66.9
47.5°	74.9	66.2	57.5	49.6	44.9	40.9	39.3	38.6
50°	41.8	37.0	32.4	29.1	26.0	23.7	22.8	22.8
52.5°	22.8	20.5	18.9	16.5	14.9	14.9	14.9	14.2
55°	11.8	11.8	11.8	11.8	11.0	11.0	11.0	10.3
57.5°	7.9	7.9	8.7	8.7	8.7	7.9	7.9	7.9
60°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
62.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
65°	3.2	3.9	3.9	3.9	3.9	3.2	3.2	3.2
67.5°	2.3	3.2	3.2	3.2	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7	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)