

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: P843957

Luminaire Tested: **LD6C10DE010B2750 EU6C10B30 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843957
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: LD6C10DE010B2750 EU6C10B30 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

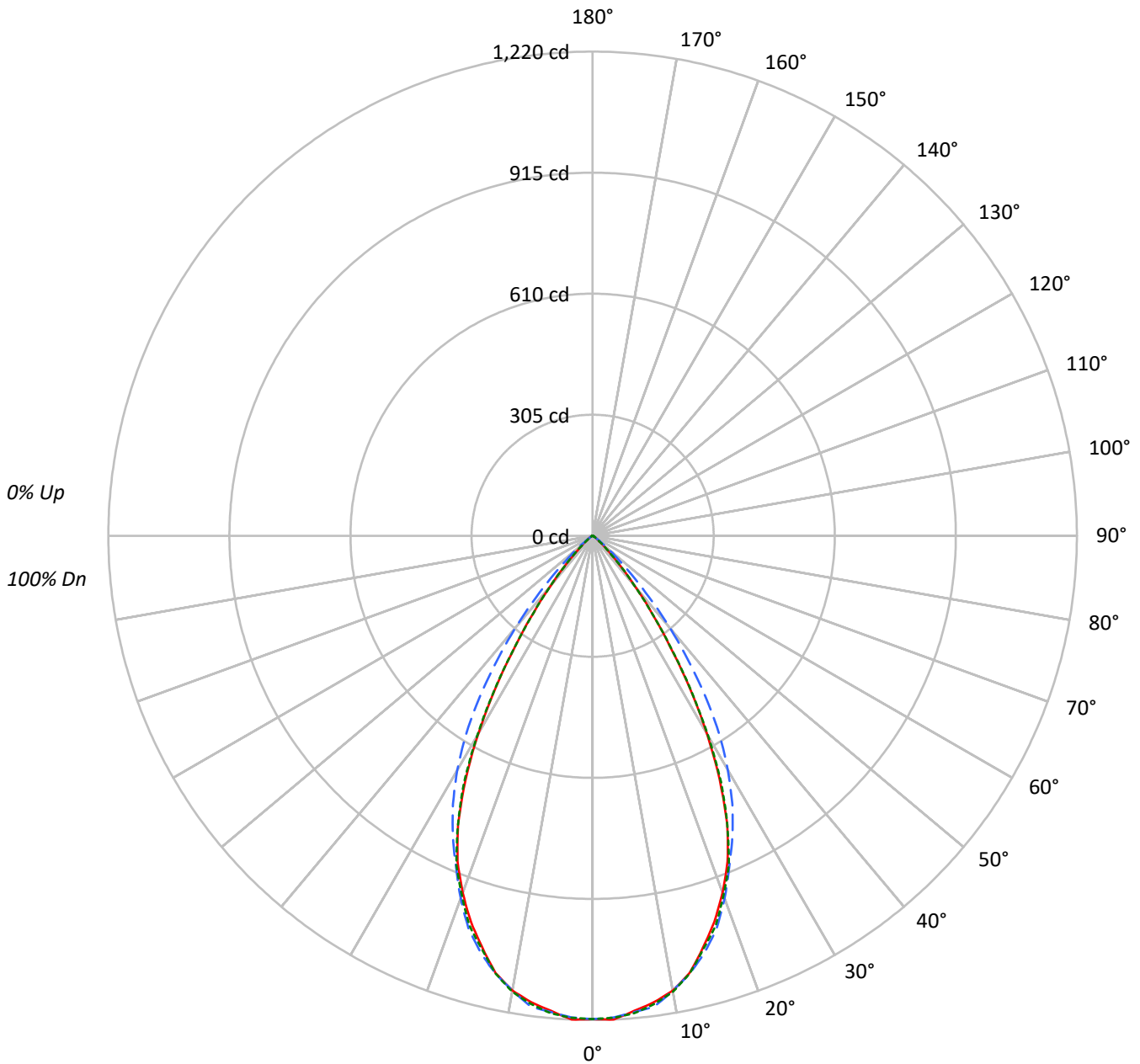
Lumens per Lamp: N/A
Luminaire Lumens: 1144.3 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

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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	82	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°	52433	52433	52433
5°	51938	52072	52201
10°	50859	50859	50995
15°	47882	48502	48051
20°	43840	44545	44160
25°	38096	39587	38129
30°	28652	33877	28920
35°	17787	26097	17866
40°	9364	16996	9313
45°	3879	8500	3976
50°	1487	3188	1487
55°	811	976	743
60°	525	465	525
65°	316	316	316
70°	189	290	189
75°	116	116	116
80°	174	174	174
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	10.0
10°-20°	303.3	26.5
20°-30°	372.2	32.5
30°-40°	256.9	22.5
40°-50°	80.3	7.0
50°-60°	12.6	1.1
60°-70°	3.6	0.3
70°-80°	1.1	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°	789.5	69.0
0°-40°	1046.4	91.4
0°-60°	1139.3	99.6
0°-90°	1144.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1144.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1202	1206	1205	1205	1208	114
15°	1074	1090	1088	1086	1078	300
25°	802	823	833	828	803	359
35°	338	400	496	404	340	216
45°	64	87	140	86	65	57
55°	11	12	13	12	10	10
65°	3	4	3	4	3	3
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°	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1220.1	1203.2	1214.0	1211.6	1217.8	1221.6	1217.8	1224.6	1220.1	1214.7	1216.3
5°	1201.7	1204.0	1203.2	1204.8	1206.2	1206.2	1214.0	1214.7	1216.3	1204.8	1207.8
7.5°	1185.5	1185.5	1189.4	1187.8	1193.2	1191.6	1192.5	1198.6	1199.4	1196.3	1194.0
10°	1163.3	1160.2	1156.4	1156.4	1163.3	1164.0	1170.2	1170.9	1175.6	1163.3	1164.9
12.5°	1128.8	1127.2	1121.1	1124.2	1129.6	1126.4	1136.4	1137.2	1135.7	1130.3	1133.4
15°	1074.2	1080.5	1078.9	1078.0	1090.3	1088.8	1088.1	1090.3	1091.2	1088.1	1085.8
17.5°	1019.8	1025.2	1025.9	1027.5	1029.7	1032.0	1035.1	1043.6	1040.5	1038.2	1045.9
20°	956.8	954.5	960.8	966.8	969.1	969.1	973.8	979.9	975.2	972.2	973.0
22.5°	888.6	892.4	889.4	895.5	898.6	902.4	906.9	912.4	908.5	900.0	910.1
25°	801.9	804.1	814.2	813.4	818.0	827.2	834.0	834.0	834.0	833.3	833.3
27.5°	693.0	691.4	703.6	712.1	723.6	738.2	747.3	761.9	764.2	761.9	756.6
30°	576.3	574.7	590.1	600.8	621.6	628.4	653.8	667.6	682.2	681.4	677.6
32.5°	455.0	458.2	470.4	485.8	502.6	524.1	547.9	578.5	591.6	594.7	587.7
35°	338.4	343.0	354.5	367.5	388.3	412.1	445.1	474.2	496.5	496.5	491.1
37.5°	244.0	245.6	256.3	264.7	286.2	307.7	336.1	376.0	389.8	395.1	389.8
40°	166.6	166.6	172.6	181.9	199.5	218.0	244.0	273.9	293.9	302.4	293.1
42.5°	105.9	107.5	112.0	118.1	131.3	147.3	167.3	189.5	204.1	210.3	201.8
45°	63.7	65.3	69.1	73.6	82.1	92.1	105.9	122.1	134.3	139.6	135.8
47.5°	38.4	39.9	41.5	44.5	50.7	57.5	64.4	73.6	81.3	82.1	80.6
50°	22.2	22.2	23.8	26.1	29.2	33.0	36.8	42.2	44.5	47.6	44.5
52.5°	14.6	14.6	14.6	15.3	16.8	18.4	20.0	23.1	24.5	24.5	23.8
55°	10.8	10.8	10.8	10.8	11.5	11.5	11.5	12.3	13.0	13.0	13.0
57.5°	7.7	7.7	7.7	8.5	8.5	8.5	7.7	7.7	7.7	7.7	7.7
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.4	5.4	5.4
62.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	3.1	3.1	3.1	3.8	3.8	3.8	3.8	3.1	3.1	3.1	3.1
67.5°	2.3	2.3	2.3	3.1	3.1	3.1	3.1	3.1	2.3	2.3	2.3
70°	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1220.8	1217.0	1217.0	1217.0	1215.4	1217.0	1219.3	1215.4
5°	1207.8	1209.3	1202.4	1207.8	1210.0	1206.2	1215.4	1207.8
7.5°	1196.3	1194.0	1183.3	1190.9	1195.5	1197.0	1196.3	1190.2
10°	1173.2	1167.9	1163.3	1163.3	1161.7	1161.0	1169.4	1166.4
12.5°	1131.9	1135.7	1128.8	1132.6	1129.6	1130.3	1131.0	1129.6
15°	1096.6	1092.7	1083.4	1089.6	1085.8	1082.0	1089.6	1078.0
17.5°	1041.2	1040.5	1035.1	1031.3	1032.9	1032.0	1036.0	1030.6
20°	976.1	977.6	974.5	973.0	970.7	965.3	970.0	963.8
22.5°	905.4	906.9	910.1	904.0	904.7	897.1	904.0	897.1
25°	834.0	833.3	829.5	826.4	818.0	809.5	808.0	802.6
27.5°	755.8	750.5	741.3	731.2	718.2	706.7	706.0	702.2
30°	669.9	658.4	641.6	625.4	605.5	587.7	587.7	581.7
32.5°	579.4	553.2	530.2	510.3	484.2	474.2	464.2	458.9
35°	471.2	448.1	420.5	387.5	375.2	350.7	352.2	339.9
37.5°	369.1	340.7	314.6	287.8	266.3	254.8	248.6	242.5
40°	273.9	246.3	218.0	200.2	181.1	171.1	167.3	165.7
42.5°	187.2	164.1	145.8	131.3	121.2	110.5	107.5	105.9
45°	122.1	108.9	92.1	80.6	73.6	67.6	67.6	65.3
47.5°	72.9	64.4	56.1	48.3	43.8	39.9	38.4	37.5
50°	40.6	36.1	31.5	28.3	25.3	23.1	22.2	22.2
52.5°	22.2	20.0	18.4	16.1	14.6	14.6	14.6	13.9
55°	11.5	11.5	11.5	11.5	10.8	10.8	10.8	9.9
57.5°	7.7	7.7	8.5	8.5	8.5	7.7	7.7	7.7
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
62.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
65°	3.1	3.8	3.8	3.8	3.8	3.1	3.1	3.1
67.5°	2.3	3.1	3.1	3.1	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)