

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: P843940

Luminaire Tested: **LD6C10DE010B2750 EU6C10B27 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843940
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 EU6C10B27 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

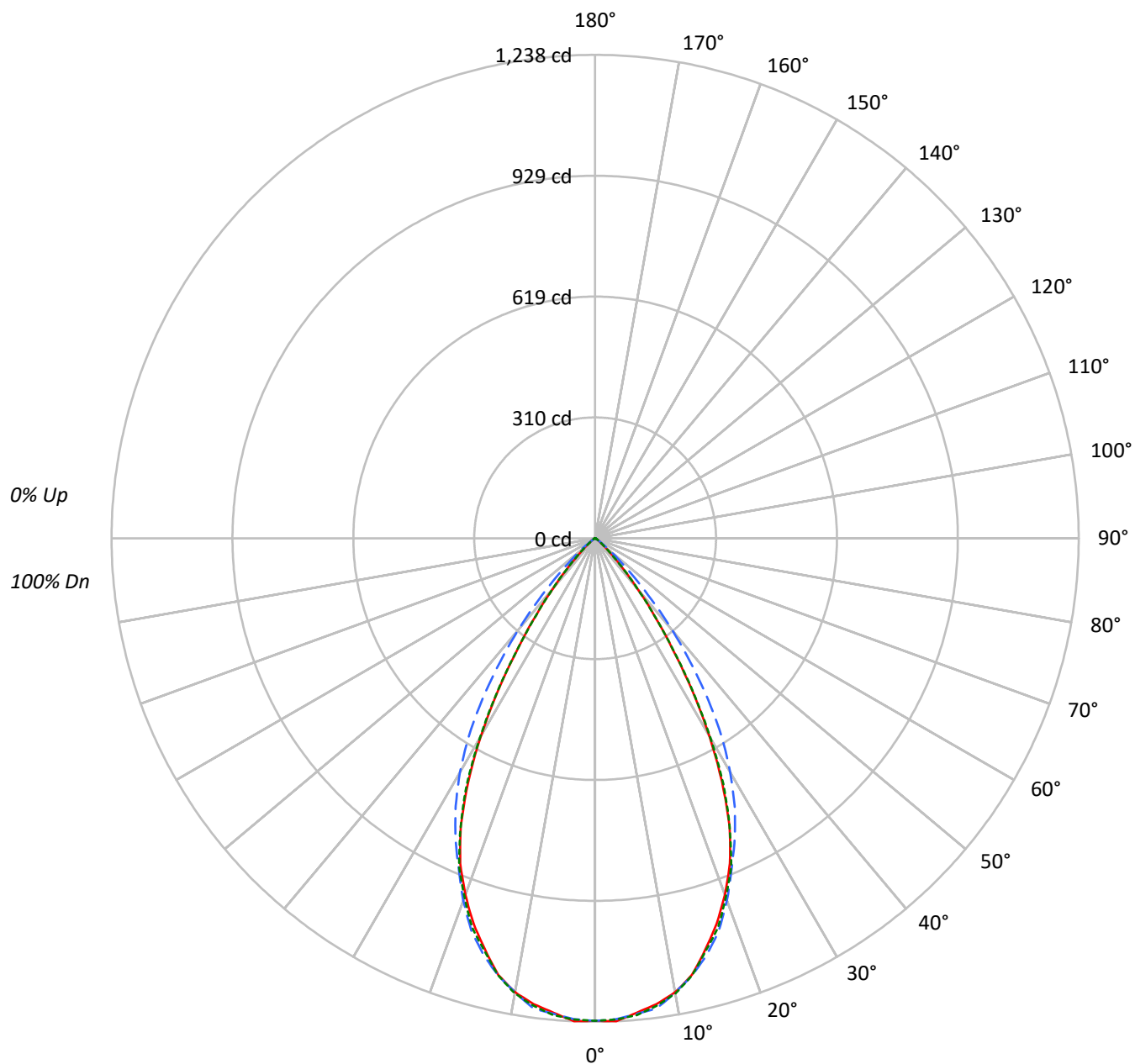
Lumens per Lamp: N/A
Luminaire Lumens: 1161.2 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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: P843940

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSQLI

Luminous Intensity Polar Plot





TEST NUMBER: P843940

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSQLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	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			100
1	113	111	108	106	111	108	106	104		104	103	101			101	99	98			93
2	108	103	99	95	106	101	97	94		98	95	92			95	92	90			87
3	102	96	91	87	100	94	90	86		92	88	85			89	86	83			80
4	97	89	84	79	95	88	83	79		86	82	78			84	80	77			75
5	92	83	78	73	90	82	77	73		81	76	72			79	75	72			69
6	87	78	72	68	86	77	72	67		76	71	67			74	70	67			65
7	83	73	67	63	81	73	67	63		71	66	62			70	66	62			60
8	79	69	63	59	77	68	63	59		67	62	58			66	62	58			56
9	75	65	59	55	74	64	59	55		64	58	55			63	58	54			53
10	71	61	55	52	70	61	55	51		60	55	51			59	55	51			50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53204	53204	53204
5°	52707	52837	52975
10°	51607	51607	51747
15°	48591	49219	48765
20°	44490	45205	44811
25°	38656	40176	38694
30°	29074	34379	29348
35°	18050	26486	18134
40°	9499	17244	9454
45°	3933	8628	4031
50°	1514	3235	1514
55°	818	991	766
60°	534	465	534
65°	316	316	316
70°	201	290	201
75°	116	116	116
80°	174	174	174
85°	0	0	0



TEST NUMBER: P843940

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSQLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	10.0
10°-20°	307.7	26.5
20°-30°	377.7	32.5
30°-40°	260.7	22.5
40°-50°	81.5	7.0
50°-60°	12.7	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°	801.1	69.0
0°-40°	1061.9	91.4
0°-60°	1156.1	99.6
0°-90°	1161.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1161.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1220	1224	1222	1223	1226	115
15°	1090	1106	1104	1103	1094	305
25°	814	835	846	840	814	365
35°	343	406	504	410	345	219
45°	65	88	142	88	66	58
55°	11	12	13	12	10	11
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	



TEST NUMBER: P843940

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSQLI

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7
2.5°	1238.1	1221.0	1231.9	1229.5	1235.7	1239.7	1235.7	1242.7	1238.1	1232.7	1234.3
5°	1219.5	1221.8	1221.0	1222.5	1224.1	1224.1	1231.9	1232.7	1234.3	1222.5	1225.7
7.5°	1203.1	1203.1	1207.0	1205.4	1210.9	1209.3	1210.0	1216.3	1217.0	1214.0	1211.6
10°	1180.4	1177.4	1173.4	1173.4	1180.4	1181.3	1187.5	1188.3	1192.9	1180.4	1182.0
12.5°	1145.4	1143.8	1137.7	1140.8	1146.3	1143.1	1153.2	1154.0	1152.4	1147.0	1150.1
15°	1090.1	1096.4	1094.8	1094.0	1106.5	1104.9	1104.2	1106.5	1107.2	1104.2	1101.8
17.5°	1034.9	1040.3	1041.1	1042.6	1044.9	1047.4	1050.4	1059.0	1055.8	1053.5	1061.3
20°	971.0	968.7	974.9	981.2	983.5	983.5	988.1	994.4	989.7	986.6	987.4
22.5°	901.7	905.5	902.5	908.7	911.9	915.7	920.4	925.9	921.9	913.4	923.5
25°	813.7	816.1	826.2	825.4	830.0	839.4	846.4	846.4	846.4	845.7	845.7
27.5°	703.1	701.6	714.1	722.6	734.3	749.1	758.4	773.2	775.6	773.2	767.7
30°	584.8	583.2	598.8	609.7	630.8	637.8	663.5	677.4	692.2	691.5	687.6
32.5°	461.8	464.9	477.3	493.0	510.0	531.9	556.0	587.1	600.4	603.5	596.5
35°	343.4	348.1	359.7	373.0	394.0	418.2	451.6	481.2	503.9	503.9	498.4
37.5°	247.6	249.2	260.1	268.6	290.4	312.2	341.1	381.6	395.6	400.9	395.6
40°	169.0	169.0	175.1	184.6	202.4	221.2	247.6	277.9	298.3	306.8	297.4
42.5°	107.5	109.0	113.7	119.9	133.2	149.5	169.8	192.4	207.2	213.3	204.9
45°	64.6	66.2	70.1	74.8	83.3	93.5	107.5	123.8	136.2	141.7	137.8
47.5°	38.9	40.5	42.0	45.2	51.4	58.4	65.4	74.8	82.6	83.3	81.8
50°	22.6	22.6	24.1	26.4	29.6	33.5	37.3	42.8	45.2	48.3	45.2
52.5°	14.8	14.8	14.8	15.5	17.1	18.7	20.3	23.4	25.0	25.0	24.1
55°	10.9	10.9	10.9	10.9	11.6	11.6	11.6	12.5	13.2	13.2	13.2
57.5°	7.8	7.8	7.8	8.6	8.6	8.6	7.8	7.8	7.8	7.8	7.8
60°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.4	5.4	5.4
62.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
65°	3.1	3.1	3.1	3.9	3.9	3.9	3.9	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°	1.6	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: P843940

CATALOG NUMBER: LD6C10DE010B2750 EU6C10B27 6LBSQLI

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7	1235.7
2.5°	1238.9	1235.0	1235.0	1235.0	1233.4	1235.0	1237.3	1233.4
5°	1225.7	1227.2	1220.2	1225.7	1228.0	1224.1	1233.4	1225.7
7.5°	1214.0	1211.6	1200.7	1208.6	1213.2	1214.7	1214.0	1207.7
10°	1190.6	1185.2	1180.4	1180.4	1178.9	1178.1	1186.7	1183.6
12.5°	1148.6	1152.4	1145.4	1149.3	1146.3	1147.0	1147.7	1146.3
15°	1112.7	1108.8	1099.5	1105.8	1101.8	1097.9	1105.8	1094.0
17.5°	1056.7	1055.8	1050.4	1046.5	1048.1	1047.4	1051.2	1045.8
20°	990.5	992.1	988.9	987.4	985.1	979.6	984.2	978.0
22.5°	918.9	920.4	923.5	917.3	918.0	910.3	917.3	910.3
25°	846.4	845.7	841.8	838.7	830.0	821.5	820.0	814.5
27.5°	767.0	761.6	752.2	742.0	728.8	717.2	716.4	712.5
30°	679.7	668.1	651.0	634.6	614.4	596.5	596.5	590.3
32.5°	587.9	561.4	538.0	517.8	491.4	481.2	471.1	465.7
35°	478.2	454.8	426.6	393.2	380.7	355.9	357.4	345.0
37.5°	374.5	345.7	319.3	292.0	270.2	258.5	252.2	246.1
40°	277.9	249.9	221.2	203.2	183.8	173.7	169.8	168.2
42.5°	190.0	166.6	148.0	133.2	123.0	112.1	109.0	107.5
45°	123.8	110.6	93.5	81.8	74.8	68.5	68.5	66.2
47.5°	73.9	65.4	56.9	49.1	44.4	40.5	38.9	38.2
50°	41.2	36.6	31.9	28.8	25.7	23.4	22.6	22.6
52.5°	22.6	20.3	18.7	16.3	14.8	14.8	14.8	14.0
55°	11.6	11.6	11.6	11.6	10.9	10.9	10.9	10.2
57.5°	7.8	7.8	8.6	8.6	8.6	7.8	7.8	7.8
60°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
65°	3.1	3.9	3.9	3.9	3.9	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	1.6	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)