

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: P843991

Luminaire Tested: **LD6C10DE010B40 EU6C10B40 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843991
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: LD6C10DE010B40 EU6C10B40 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

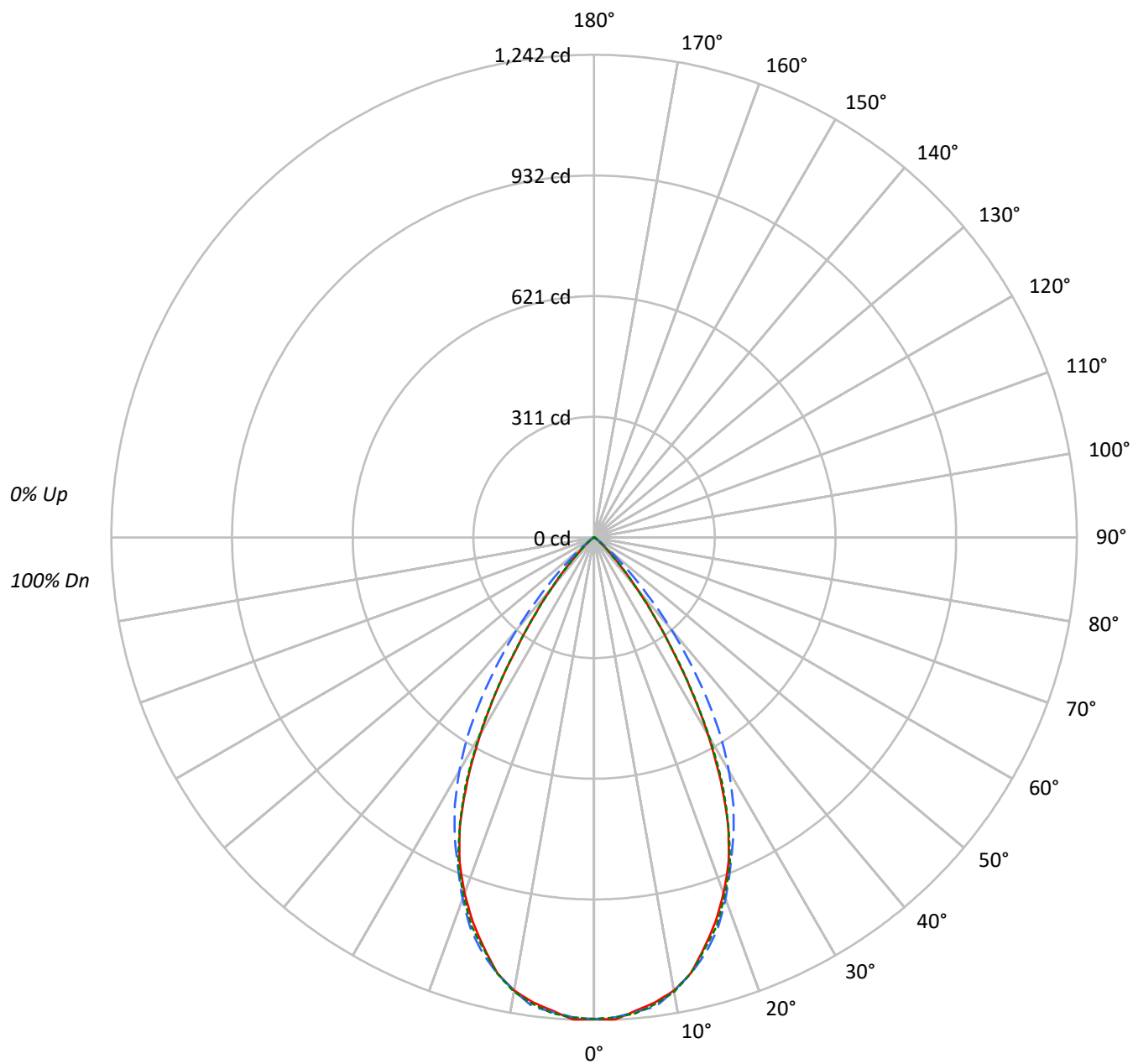
Lumens per Lamp: N/A
Luminaire Lumens: 1164.4 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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°	53350	53350	53350
5°	52845	52984	53118
10°	51751	51751	51891
15°	48729	49348	48898
20°	44614	45329	44935
25°	38765	40281	38799
30°	29154	34473	29427
35°	18102	26554	18186
40°	9521	17294	9482
45°	3946	8646	4037
50°	1514	3242	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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	10.0
10°-20°	308.6	26.5
20°-30°	378.7	32.5
30°-40°	261.5	22.5
40°-50°	81.7	7.0
50°-60°	12.8	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°	803.3	69.0
0°-40°	1064.8	91.4
0°-60°	1159.3	99.6
0°-90°	1164.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1164.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1239	1239	1239	1239	1239	
5°	1223	1227	1226	1226	1229	116
15°	1093	1109	1107	1106	1097	306
25°	816	837	848	842	817	366
35°	344	407	505	411	346	220
45°	65	89	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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1
2.5°	1241.5	1224.3	1235.2	1232.9	1239.1	1243.0	1239.1	1246.1	1241.5	1236.1	1237.6
5°	1222.7	1225.1	1224.3	1225.9	1227.4	1227.4	1235.2	1236.1	1237.6	1225.9	1229.0
7.5°	1206.3	1206.3	1210.3	1208.7	1214.2	1212.6	1213.4	1219.7	1220.4	1217.2	1214.9
10°	1183.7	1180.5	1176.7	1176.7	1183.7	1184.4	1190.7	1191.5	1196.2	1183.7	1185.3
12.5°	1148.6	1147.0	1140.8	1143.8	1149.3	1146.2	1156.4	1157.2	1155.6	1150.2	1153.2
15°	1093.2	1099.4	1097.8	1097.0	1109.5	1108.0	1107.1	1109.5	1110.3	1107.1	1104.8
17.5°	1037.8	1043.1	1043.9	1045.5	1047.8	1050.2	1053.3	1062.0	1058.8	1056.5	1064.3
20°	973.7	971.3	977.6	983.8	986.1	986.1	990.9	997.0	992.4	989.3	990.1
22.5°	904.2	908.1	904.9	911.2	914.3	918.2	922.9	928.4	924.5	915.9	926.1
25°	816.0	818.3	828.4	827.7	832.4	841.8	848.8	848.8	848.8	847.9	847.9
27.5°	705.1	703.5	716.0	724.6	736.3	751.1	760.5	775.4	777.7	775.4	769.9
30°	586.4	584.9	600.4	611.3	632.5	639.6	665.3	679.3	694.1	693.4	689.5
32.5°	463.0	466.2	478.7	494.2	511.5	533.3	557.5	588.7	602.0	605.2	598.1
35°	344.4	349.0	360.8	374.0	395.1	419.4	452.9	482.6	505.2	505.2	499.7
37.5°	248.3	249.8	260.8	269.4	291.2	313.1	342.0	382.7	396.6	402.1	396.6
40°	169.4	169.4	175.7	185.1	203.0	221.8	248.3	278.7	299.0	307.7	298.3
42.5°	107.8	109.4	114.0	120.3	133.6	149.9	170.3	192.9	207.7	214.0	205.4
45°	64.8	66.3	70.3	75.0	83.6	93.7	107.8	124.2	136.6	142.0	138.2
47.5°	39.0	40.6	42.1	45.3	51.5	58.6	65.6	75.0	82.8	83.6	82.0
50°	22.6	22.6	24.2	26.5	29.6	33.6	37.4	42.9	45.3	48.4	45.3
52.5°	14.8	14.8	14.8	15.7	17.1	18.7	20.3	23.5	25.0	25.0	24.2
55°	10.9	10.9	10.9	10.9	11.7	11.7	11.7	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1	1239.1
2.5°	1242.3	1238.4	1238.4	1238.4	1236.8	1238.4	1240.7	1236.8
5°	1229.0	1230.6	1223.6	1229.0	1231.3	1227.4	1236.8	1229.0
7.5°	1217.2	1214.9	1204.0	1211.8	1216.5	1218.1	1217.2	1211.1
10°	1193.9	1188.4	1183.7	1183.7	1182.1	1181.4	1189.9	1186.9
12.5°	1151.7	1155.6	1148.6	1152.5	1149.3	1150.2	1150.9	1149.3
15°	1115.8	1111.9	1102.5	1108.7	1104.8	1101.0	1108.7	1097.0
17.5°	1059.5	1058.8	1053.3	1049.4	1051.0	1050.2	1054.1	1048.6
20°	993.2	994.7	991.6	990.1	987.7	982.2	987.0	980.7
22.5°	921.3	922.9	926.1	919.8	920.6	912.7	919.8	912.7
25°	848.8	847.9	844.1	840.9	832.4	823.7	822.2	816.7
27.5°	769.1	763.6	754.3	744.2	730.8	719.1	718.3	714.4
30°	681.6	669.9	652.8	636.4	616.1	598.1	598.1	591.9
32.5°	589.5	563.0	539.5	519.3	492.8	482.6	472.3	466.9
35°	479.4	456.1	427.8	394.3	381.8	356.8	358.4	346.0
37.5°	375.6	346.7	320.1	292.9	271.0	259.2	253.0	246.7
40°	278.7	250.7	221.8	203.8	184.2	174.1	170.3	168.7
42.5°	190.5	167.1	148.4	133.6	123.3	112.4	109.4	107.8
45°	124.2	110.8	93.7	82.0	75.0	68.7	68.7	66.3
47.5°	74.1	65.6	57.0	49.2	44.5	40.6	39.0	38.3
50°	41.4	36.7	32.0	28.9	25.8	23.5	22.6	22.6
52.5°	22.6	20.3	18.7	16.4	14.8	14.8	14.8	14.1
55°	11.7	11.7	11.7	11.7	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)