

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: P844246

Luminaire Tested: **LD6C25DE010B40 EU6C25B40 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844246
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: LD6C25DE010B40 EU6C25B40 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

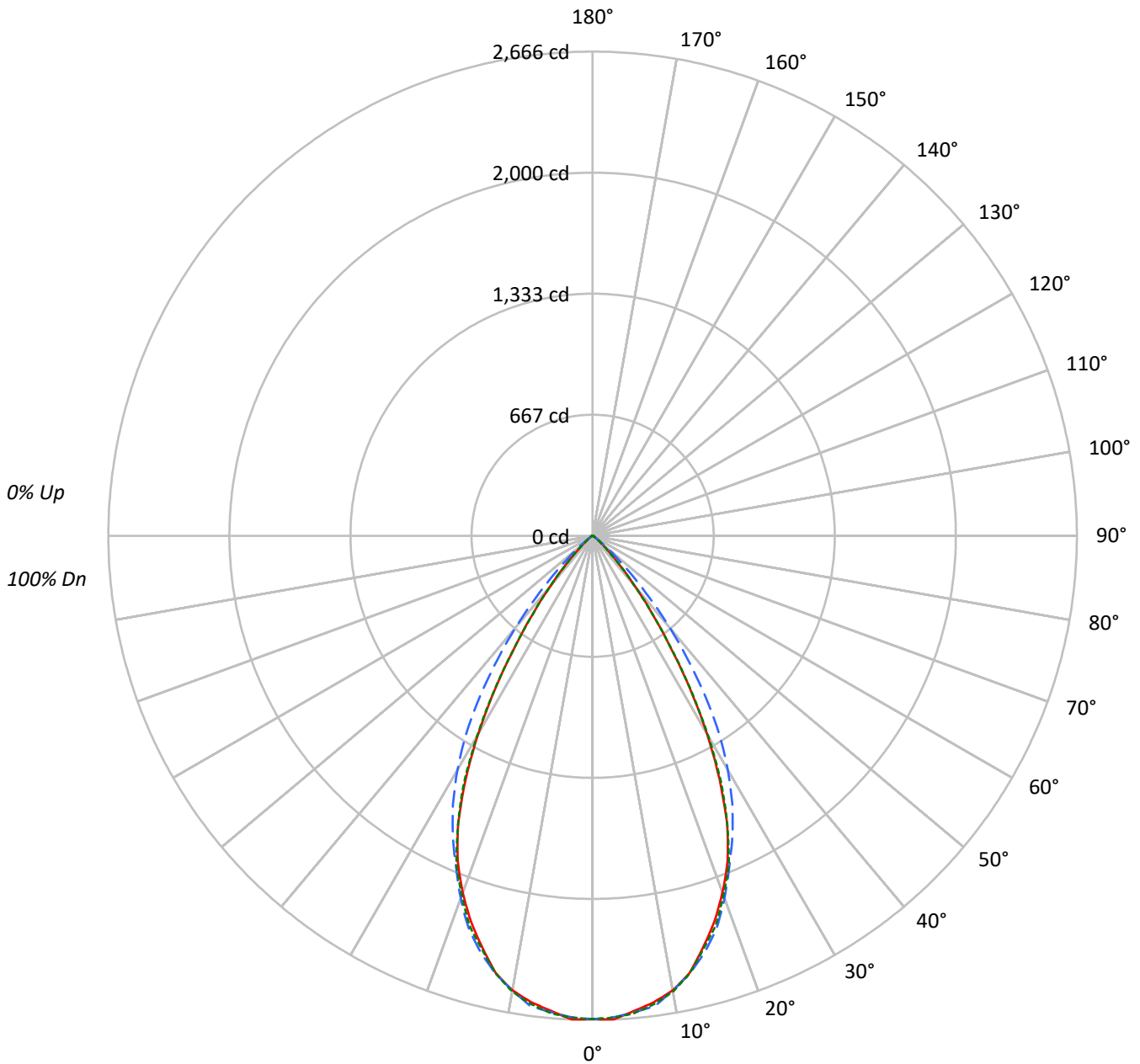
Lumens per Lamp: N/A
Luminaire Lumens: 2500.3 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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	81	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°	114554	114554	114554
5°	113474	113760	114049
10°	111114	111114	111416
15°	104621	105963	104995
20°	95784	97328	96476
25°	83232	86491	83312
30°	62593	74013	63185
35°	38864	57013	39037
40°	20447	37129	20352
45°	8470	18578	8677
50°	3262	6966	3262
55°	1764	2139	1636
60°	1154	1008	1154
65°	683	683	683
70°	428	629	428
75°	283	283	283
80°	422	422	422
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	10.0
10°-20°	662.6	26.5
20°-30°	813.2	32.5
30°-40°	561.4	22.5
40°-50°	175.5	7.0
50°-60°	27.4	1.1
60°-70°	7.9	0.3
70°-80°	2.6	0.1
80°-90°	0.6	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°	1724.9	69.0
0°-40°	2286.2	91.4
0°-60°	2489.2	99.6
0°-90°	2500.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2500.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2661	2661	2661	2661	2661	
5°	2626	2636	2632	2633	2639	248
15°	2347	2381	2377	2374	2356	656
25°	1752	1797	1821	1809	1754	785
35°	739	874	1085	883	743	472
45°	139	190	305	189	142	125
55°	24	25	28	25	22	23
65°	7	8	7	8	7	7
75°	2	2	2	2	2	2
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°	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6
2.5°	2665.7	2628.7	2652.3	2647.2	2660.6	2668.9	2660.6	2675.7	2665.7	2653.9	2657.3
5°	2625.5	2630.4	2628.7	2632.1	2635.5	2635.5	2652.3	2653.9	2657.3	2632.1	2638.8
7.5°	2590.1	2590.1	2598.6	2595.2	2607.0	2603.7	2605.3	2618.7	2620.4	2613.6	2608.7
10°	2541.5	2534.8	2526.5	2526.5	2541.5	2543.2	2556.7	2558.3	2568.4	2541.5	2545.0
12.5°	2466.2	2462.7	2449.4	2456.0	2467.9	2461.1	2482.9	2484.6	2481.2	2469.6	2476.2
15°	2347.1	2360.5	2357.1	2355.5	2382.3	2378.9	2377.2	2382.3	2383.9	2377.2	2372.3
17.5°	2228.1	2239.9	2241.4	2244.8	2249.8	2255.0	2261.6	2280.0	2273.3	2268.3	2285.1
20°	2090.5	2085.5	2099.0	2112.4	2117.4	2117.4	2127.5	2140.9	2130.8	2124.2	2125.8
22.5°	1941.4	1949.7	1943.1	1956.4	1963.2	1971.5	1981.6	1993.4	1985.0	1966.6	1988.4
25°	1752.0	1756.9	1778.8	1777.1	1787.2	1807.3	1822.3	1822.3	1822.3	1820.6	1820.6
27.5°	1513.9	1510.5	1537.4	1555.8	1581.0	1612.9	1632.9	1664.7	1669.8	1664.7	1653.1
30°	1259.0	1255.7	1289.1	1312.6	1358.0	1373.1	1428.4	1458.6	1490.4	1488.7	1480.4
32.5°	994.2	1000.9	1027.7	1061.2	1098.1	1145.1	1197.0	1264.1	1292.6	1299.3	1284.2
35°	739.4	749.3	774.5	803.1	848.3	900.3	972.3	1036.1	1084.7	1084.7	1073.0
37.5°	533.2	536.4	559.9	578.4	625.3	672.2	734.3	821.5	851.7	863.3	851.7
40°	363.8	363.8	377.2	397.4	435.9	476.1	533.2	598.5	642.1	660.6	640.4
42.5°	231.4	234.7	244.7	258.2	286.7	321.8	365.5	414.2	446.0	459.3	440.9
45°	139.1	142.5	150.9	161.0	179.4	201.3	231.4	266.5	293.4	305.1	296.8
47.5°	83.8	87.1	90.5	97.3	110.6	125.8	140.8	161.0	177.8	179.4	176.1
50°	48.7	48.7	51.9	57.0	63.7	72.1	80.5	92.1	97.3	104.0	97.3
52.5°	31.8	31.8	31.8	33.5	36.8	40.3	43.6	50.3	53.6	53.6	51.9
55°	23.5	23.5	23.5	23.5	25.2	25.2	25.2	26.9	28.5	28.5	28.5
57.5°	16.8	16.8	16.8	18.5	18.5	18.5	16.8	16.8	16.8	16.8	16.8
60°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	11.7	11.7	11.7
62.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
65°	6.7	6.7	6.7	8.4	8.4	8.4	8.4	6.7	6.7	6.7	6.7
67.5°	5.0	5.0	5.0	6.7	6.7	6.7	6.7	6.7	5.0	5.0	5.0
70°	3.4	3.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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°	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6	2660.6
2.5°	2667.4	2659.0	2659.0	2659.0	2655.6	2659.0	2664.0	2655.6
5°	2638.8	2642.2	2627.2	2638.8	2643.9	2635.5	2655.6	2638.8
7.5°	2613.6	2608.7	2585.2	2602.0	2612.0	2615.3	2613.6	2600.3
10°	2563.4	2551.6	2541.5	2541.5	2538.2	2536.5	2555.0	2548.4
12.5°	2472.9	2481.2	2466.2	2474.5	2467.9	2469.6	2471.2	2467.9
15°	2395.8	2387.4	2367.2	2380.6	2372.3	2363.9	2380.6	2355.5
17.5°	2275.0	2273.3	2261.6	2253.3	2256.6	2255.0	2263.3	2251.6
20°	2132.5	2135.9	2129.1	2125.8	2120.9	2109.0	2119.2	2105.6
22.5°	1978.3	1981.6	1988.4	1974.9	1976.6	1959.9	1974.9	1959.9
25°	1822.3	1820.6	1812.3	1805.6	1787.2	1768.7	1765.3	1753.7
27.5°	1651.4	1639.6	1619.6	1597.8	1569.2	1544.0	1542.3	1534.1
30°	1463.6	1438.5	1401.6	1366.4	1322.8	1284.2	1284.2	1270.9
32.5°	1265.8	1208.8	1158.4	1114.9	1058.0	1036.1	1014.3	1002.6
35°	1029.4	979.2	918.7	846.6	819.9	766.1	769.5	742.7
37.5°	806.3	744.4	687.4	628.8	581.8	556.6	543.1	529.8
40°	598.5	538.1	476.1	437.5	395.7	373.9	365.5	362.1
42.5°	409.0	358.7	318.6	286.7	264.9	241.5	234.7	231.4
45°	266.5	238.1	201.3	176.1	161.0	147.5	147.5	142.5
47.5°	159.3	140.8	122.5	105.7	95.6	87.1	83.8	82.2
50°	88.8	78.8	68.7	62.0	55.3	50.3	48.7	48.7
52.5°	48.7	43.6	40.3	35.2	31.8	31.8	31.8	30.1
55°	25.2	25.2	25.2	25.2	23.5	23.5	23.5	21.8
57.5°	16.8	16.8	18.5	18.5	18.5	16.8	16.8	16.8
60°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
62.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
65°	6.7	8.4	8.4	8.4	8.4	6.7	6.7	6.7
67.5°	5.0	6.7	6.7	6.7	5.0	5.0	5.0	5.0
70°	5.0	5.0	5.0	5.0	5.0	3.4	3.4	3.4
72.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	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)