

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: P844263

Luminaire Tested: **LD6C25DE010B2750 EU6C25B50 6LBSQLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844263  
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: LD6C25DE010B2750 EU6C25B50 6LBSQLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

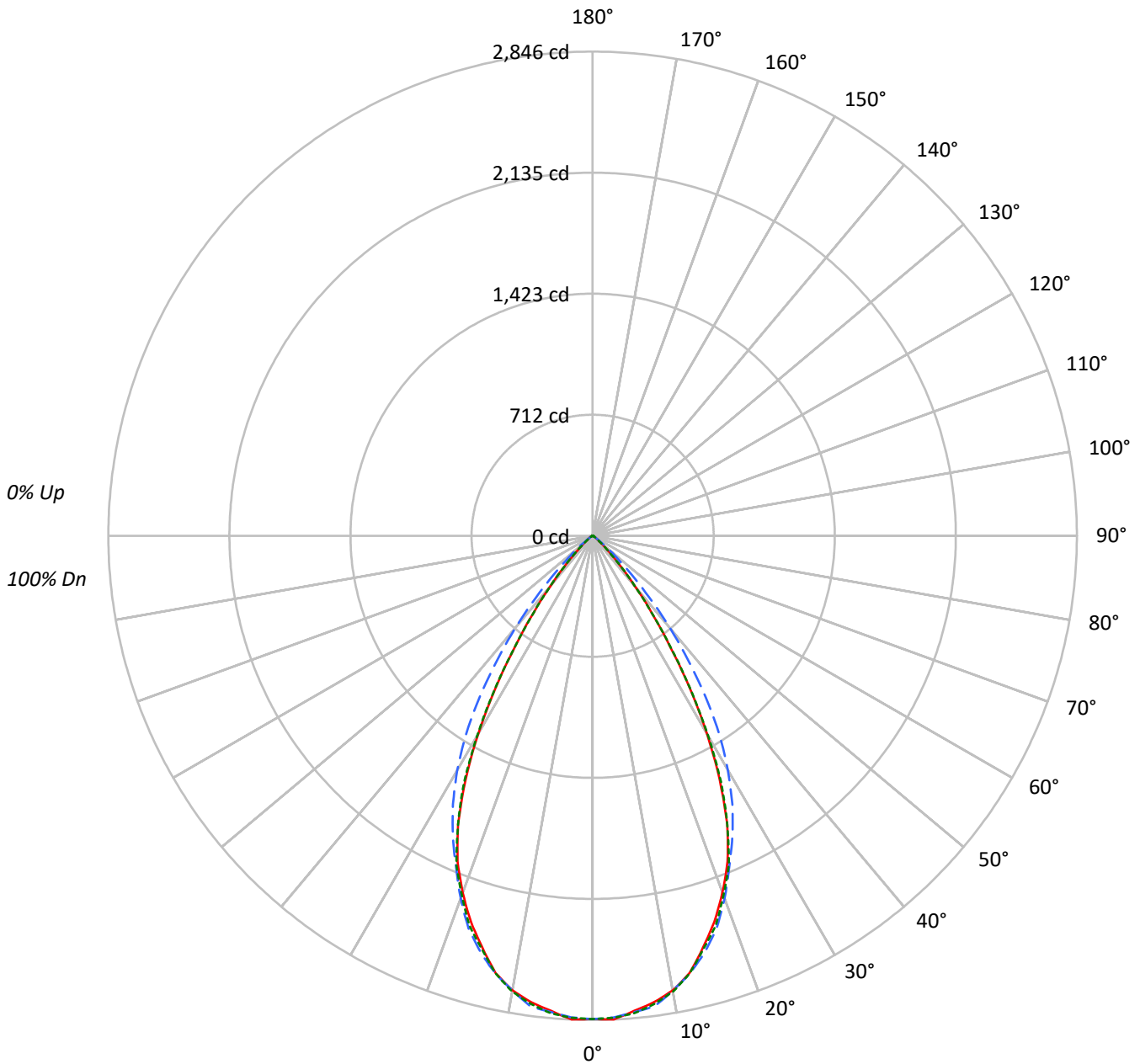
Lumens per Lamp: N/A  
Luminaire Lumens: 2669.5 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

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°	122308	122308	122308
5°	121155	121457	121768
10°	118638	118638	118953
15°	111704	113135	112096
20°	102268	103913	103010
25°	88861	92343	88947
30°	66834	79024	67455
35°	41492	60871	41681
40°	21836	39636	21735
45°	9042	19838	9261
50°	3476	7428	3476
55°	1884	2289	1749
60°	1240	1076	1240
65°	723	723	723
70°	453	680	453
75°	299	299	299
80°	446	446	446
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.9	10.0
10°-20°	707.4	26.5
20°-30°	868.2	32.5
30°-40°	599.4	22.5
40°-50°	187.4	7.0
50°-60°	29.3	1.1
60°-70°	8.5	0.3
70°-80°	2.8	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°	1841.6	69.0
0°-40°	2441.0	91.4
0°-60°	2657.7	99.6
0°-90°	2669.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2841	2841	2841	2841	2841	
5°	2803	2814	2810	2811	2817	265
15°	2506	2542	2538	2535	2515	701
25°	1870	1919	1944	1931	1872	838
35°	789	934	1158	942	793	504
45°	148	203	326	201	152	133
55°	25	27	30	27	23	24
65°	7	9	7	9	7	8
75°	2	2	2	2	2	3
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°	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7
2.5°	2846.1	2806.7	2831.8	2826.3	2840.7	2849.6	2840.7	2856.8	2846.1	2833.6	2837.1
5°	2803.2	2808.5	2806.7	2810.2	2813.8	2813.8	2831.8	2833.6	2837.1	2810.2	2817.4
7.5°	2765.5	2765.5	2774.5	2770.8	2783.5	2779.9	2781.7	2796.0	2797.7	2790.6	2785.2
10°	2713.6	2706.4	2697.5	2697.5	2713.6	2715.4	2729.8	2731.6	2742.2	2713.6	2717.3
12.5°	2633.1	2629.4	2615.2	2622.3	2634.9	2627.7	2651.0	2652.8	2649.2	2636.7	2643.8
15°	2506.0	2520.3	2516.6	2514.8	2543.5	2539.9	2538.1	2543.5	2545.3	2538.1	2532.8
17.5°	2378.9	2391.4	2393.2	2396.7	2402.1	2407.6	2414.7	2434.5	2427.2	2421.8	2439.7
20°	2232.0	2226.7	2241.1	2255.3	2260.7	2260.7	2271.5	2285.8	2275.1	2267.9	2269.7
22.5°	2072.9	2081.7	2074.5	2088.8	2096.1	2105.0	2115.7	2128.3	2119.3	2099.6	2123.0
25°	1870.5	1875.9	1899.2	1897.4	1908.1	1929.7	1945.6	1945.6	1945.6	1943.8	1943.8
27.5°	1616.4	1612.8	1641.4	1661.0	1687.9	1722.0	1743.4	1777.4	1782.9	1777.4	1764.9
30°	1344.3	1340.7	1376.4	1401.5	1449.9	1466.1	1525.1	1557.3	1591.3	1589.5	1580.6
32.5°	1061.4	1068.6	1097.3	1133.0	1172.4	1222.5	1278.0	1349.5	1380.1	1387.3	1371.1
35°	789.4	800.1	827.0	857.4	905.8	961.3	1038.2	1106.2	1158.1	1158.1	1145.5
37.5°	569.2	572.8	597.9	617.6	667.6	717.7	784.0	877.1	909.4	921.8	909.4
40°	388.5	388.5	402.7	424.2	465.4	508.4	569.2	639.0	685.6	705.2	683.8
42.5°	247.1	250.7	261.3	275.7	306.1	343.6	390.3	442.2	476.1	490.4	470.9
45°	148.5	152.1	161.2	171.9	191.5	214.8	247.1	284.6	313.3	325.8	316.8
47.5°	89.5	93.1	96.6	103.9	118.1	134.3	150.3	171.9	189.7	191.5	187.9
50°	51.9	51.9	55.5	60.8	68.0	77.0	85.9	98.4	103.9	110.9	103.9
52.5°	34.0	34.0	34.0	35.7	39.3	43.0	46.5	53.7	57.3	57.3	55.5
55°	25.1	25.1	25.1	25.1	26.9	26.9	26.9	28.7	30.5	30.5	30.5
57.5°	18.0	18.0	18.0	19.7	19.7	19.7	18.0	18.0	18.0	18.0	18.0
60°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	12.5	12.5	12.5
62.5°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
65°	7.1	7.1	7.1	8.9	8.9	8.9	8.9	7.1	7.1	7.1	7.1
67.5°	5.4	5.4	5.4	7.1	7.1	7.1	7.1	7.1	5.4	5.4	5.4
70°	3.6	3.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7	2840.7
2.5°	2847.9	2838.9	2838.9	2838.9	2835.4	2838.9	2844.3	2835.4
5°	2817.4	2821.0	2805.0	2817.4	2822.7	2813.8	2835.4	2817.4
7.5°	2790.6	2785.2	2760.1	2778.1	2788.8	2792.4	2790.6	2776.3
10°	2736.8	2724.4	2713.6	2713.6	2710.0	2708.2	2728.0	2720.8
12.5°	2640.3	2649.2	2633.1	2642.0	2634.9	2636.7	2638.5	2634.9
15°	2557.9	2549.0	2527.4	2541.7	2532.8	2523.9	2541.7	2514.8
17.5°	2429.0	2427.2	2414.7	2405.8	2409.3	2407.6	2416.5	2404.0
20°	2276.9	2280.4	2273.3	2269.7	2264.4	2251.8	2262.6	2248.2
22.5°	2112.1	2115.7	2123.0	2108.6	2110.4	2092.5	2108.6	2092.5
25°	1945.6	1943.8	1934.9	1927.9	1908.1	1888.4	1884.8	1872.3
27.5°	1763.2	1750.6	1729.1	1705.9	1675.4	1648.5	1646.8	1637.9
30°	1562.7	1535.8	1496.4	1458.8	1412.4	1371.1	1371.1	1356.8
32.5°	1351.4	1290.5	1236.8	1190.4	1129.6	1106.2	1082.9	1070.4
35°	1099.1	1045.4	980.8	904.0	875.3	818.1	821.6	793.0
37.5°	860.9	794.7	733.9	671.3	621.1	594.3	579.9	565.6
40°	639.0	574.6	508.4	467.2	422.4	399.2	390.3	386.7
42.5°	436.7	383.0	340.1	306.1	282.8	257.7	250.7	247.1
45°	284.6	254.1	214.8	187.9	171.9	157.6	157.6	152.1
47.5°	170.1	150.3	130.7	112.7	102.1	93.1	89.5	87.7
50°	94.9	84.1	73.4	66.2	59.0	53.7	51.9	51.9
52.5°	51.9	46.5	43.0	37.5	34.0	34.0	34.0	32.2
55°	26.9	26.9	26.9	26.9	25.1	25.1	25.1	23.3
57.5°	18.0	18.0	19.7	19.7	19.7	18.0	18.0	18.0
60°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
62.5°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
65°	7.1	8.9	8.9	8.9	8.9	7.1	7.1	7.1
67.5°	5.4	7.1	7.1	7.1	5.4	5.4	5.4	5.4
70°	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6
72.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	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)