

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: P844229

Luminaire Tested: **LD6C25DE010B35 EU6C25B35 6LBSQLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844229  
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: LD6C25DE010B35 EU6C25B35 6LBSQLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

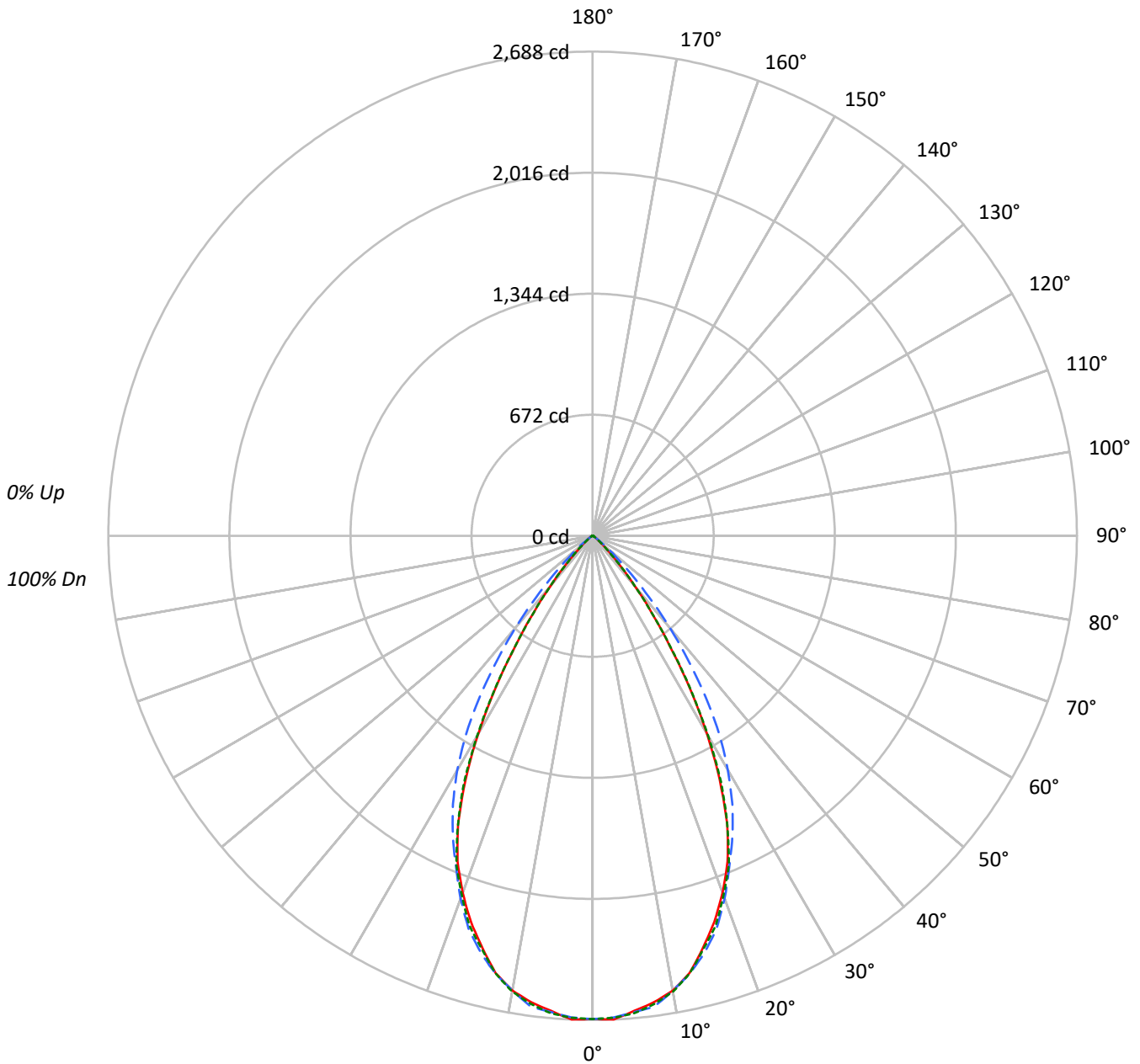
Lumens per Lamp: N/A  
Luminaire Lumens: 2521.5 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844229

CATALOG NUMBER: LD6C25DE010B35 EU6C25B35 6LBSQLI

### 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			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°	115523	115523	115523
5°	114434	114724	115013
10°	112058	112058	112351
15°	105508	106858	105878
20°	96600	98149	97296
25°	83935	87227	84016
30°	63125	74639	63712
35°	39190	57497	39368
40°	20622	37444	20526
45°	8543	18736	8744
50°	3289	7020	3289
55°	1779	2162	1651
60°	1163	1008	1163
65°	693	693	693
70°	428	642	428
75°	283	283	283
80°	422	422	422
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.2	10.0
10°-20°	668.2	26.5
20°-30°	820.1	32.5
30°-40°	566.1	22.5
40°-50°	177.0	7.0
50°-60°	27.7	1.1
60°-70°	8.0	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°	1739.4	69.0
0°-40°	2305.6	91.4
0°-60°	2510.2	99.6
0°-90°	2521.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2521.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2683	2683	2683	2683	2683	
5°	2648	2658	2654	2655	2661	250
15°	2367	2401	2397	2394	2375	662
25°	1767	1812	1836	1824	1768	792
35°	746	882	1094	890	749	476
45°	140	192	308	190	144	126
55°	24	25	29	25	22	23
65°	7	8	7	8	7	8
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P844229

CATALOG NUMBER: LD6C25DE010B35 EU6C25B35 6LBSQLI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1
2.5°	2688.2	2651.1	2674.8	2669.6	2683.1	2691.6	2683.1	2698.3	2688.2	2676.4	2679.7
5°	2647.7	2652.8	2651.1	2654.4	2657.7	2657.7	2674.8	2676.4	2679.7	2654.4	2661.1
7.5°	2612.1	2612.1	2620.6	2617.1	2629.1	2625.7	2627.4	2640.8	2642.5	2635.7	2630.8
10°	2563.1	2556.3	2547.8	2547.8	2563.1	2564.8	2578.3	2580.0	2590.1	2563.1	2566.6
12.5°	2487.0	2483.5	2470.1	2476.9	2488.7	2481.8	2503.8	2505.5	2502.3	2490.4	2497.2
15°	2367.0	2380.5	2377.0	2375.3	2402.4	2399.0	2397.3	2402.4	2404.1	2397.3	2392.4
17.5°	2246.9	2258.8	2260.5	2263.8	2268.8	2274.0	2280.8	2299.4	2292.5	2287.5	2304.5
20°	2108.3	2103.2	2116.7	2130.3	2135.3	2135.3	2145.5	2158.9	2148.9	2142.1	2143.8
22.5°	1957.8	1966.2	1959.5	1973.0	1979.8	1988.2	1998.4	2010.2	2001.7	1983.2	2005.2
25°	1766.8	1771.9	1793.9	1792.2	1802.3	1822.6	1837.7	1837.7	1837.7	1836.1	1836.1
27.5°	1526.7	1523.3	1550.4	1568.9	1594.3	1626.5	1646.7	1678.8	1684.0	1678.8	1667.0
30°	1269.7	1266.3	1300.1	1323.7	1369.4	1384.8	1440.5	1471.0	1503.0	1501.3	1493.0
32.5°	1002.5	1009.4	1036.5	1070.2	1107.3	1154.7	1207.2	1274.8	1303.5	1310.3	1295.1
35°	745.6	755.7	781.1	809.8	855.5	907.9	980.5	1044.8	1093.9	1093.9	1082.1
37.5°	537.6	541.0	564.7	583.3	630.6	677.9	740.6	828.4	858.9	870.6	858.9
40°	366.9	366.9	380.4	400.7	439.6	480.2	537.6	603.5	647.5	666.2	645.8
42.5°	233.3	236.7	246.9	260.4	289.2	324.6	368.6	417.7	449.7	463.2	444.7
45°	140.3	143.6	152.2	162.3	181.0	203.0	233.3	268.9	295.8	307.7	299.2
47.5°	84.5	87.9	91.3	98.1	111.6	126.8	142.0	162.3	179.3	181.0	177.6
50°	49.1	49.1	52.5	57.4	64.2	72.8	81.1	93.0	98.1	104.8	98.1
52.5°	32.2	32.2	32.2	33.7	37.1	40.6	44.0	50.8	54.2	54.2	52.5
55°	23.7	23.7	23.7	23.7	25.4	25.4	25.4	27.1	28.8	28.8	28.8
57.5°	16.9	16.9	16.9	18.6	18.6	18.6	16.9	16.9	16.9	16.9	16.9
60°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.7	11.7	11.7
62.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
65°	6.8	6.8	6.8	8.5	8.5	8.5	8.5	6.8	6.8	6.8	6.8
67.5°	5.1	5.1	5.1	6.8	6.8	6.8	6.8	6.8	5.1	5.1	5.1
70°	3.4	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
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



TEST NUMBER: P844229

CATALOG NUMBER: LD6C25DE010B35 EU6C25B35 6LBSQLI

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1	2683.1
2.5°	2689.9	2681.4	2681.4	2681.4	2678.1	2681.4	2686.5	2678.1
5°	2661.1	2664.5	2649.4	2661.1	2666.2	2657.7	2678.1	2661.1
7.5°	2635.7	2630.8	2607.1	2624.0	2634.1	2637.4	2635.7	2622.3
10°	2585.1	2573.2	2563.1	2563.1	2559.7	2558.0	2576.6	2569.8
12.5°	2493.8	2502.3	2487.0	2495.5	2488.7	2490.4	2492.1	2488.7
15°	2416.0	2407.6	2387.3	2400.7	2392.4	2383.9	2400.7	2375.3
17.5°	2294.2	2292.5	2280.8	2272.3	2275.7	2274.0	2282.5	2270.6
20°	2150.6	2153.9	2147.2	2143.8	2138.7	2126.9	2137.1	2123.5
22.5°	1995.0	1998.4	2005.2	1991.6	1993.3	1976.5	1991.6	1976.5
25°	1837.7	1836.1	1827.6	1820.9	1802.3	1783.6	1780.3	1768.5
27.5°	1665.4	1653.5	1633.2	1611.2	1582.5	1557.2	1555.5	1547.0
30°	1475.9	1450.7	1413.4	1377.9	1334.0	1295.1	1295.1	1281.5
32.5°	1276.6	1218.9	1168.3	1124.4	1066.8	1044.8	1022.8	1011.1
35°	1038.2	987.4	926.5	853.8	826.8	772.7	776.1	749.0
37.5°	813.2	750.7	693.2	634.1	586.7	561.3	547.7	534.3
40°	603.5	542.7	480.2	441.2	399.0	377.0	368.6	365.2
42.5°	412.5	361.7	321.2	289.2	267.2	243.5	236.7	233.3
45°	268.9	240.1	203.0	177.6	162.3	148.8	148.8	143.6
47.5°	160.7	142.0	123.4	106.5	96.5	87.9	84.5	82.8
50°	89.6	79.4	69.4	62.5	55.7	50.8	49.1	49.1
52.5°	49.1	44.0	40.6	35.4	32.2	32.2	32.2	30.5
55°	25.4	25.4	25.4	25.4	23.7	23.7	23.7	22.0
57.5°	16.9	16.9	18.6	18.6	18.6	16.9	16.9	16.9
60°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
62.5°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
65°	6.8	8.5	8.5	8.5	8.5	6.8	6.8	6.8
67.5°	5.1	6.8	6.8	6.8	5.1	5.1	5.1	5.1
70°	5.1	5.1	5.1	5.1	5.1	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)