

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: P844331

Luminaire Tested: **LD6C30DE010B40 EU6C30B40 6LBSQLI**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844331  
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: LD6C30DE010B40 EU6C30B40 6LBSQLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

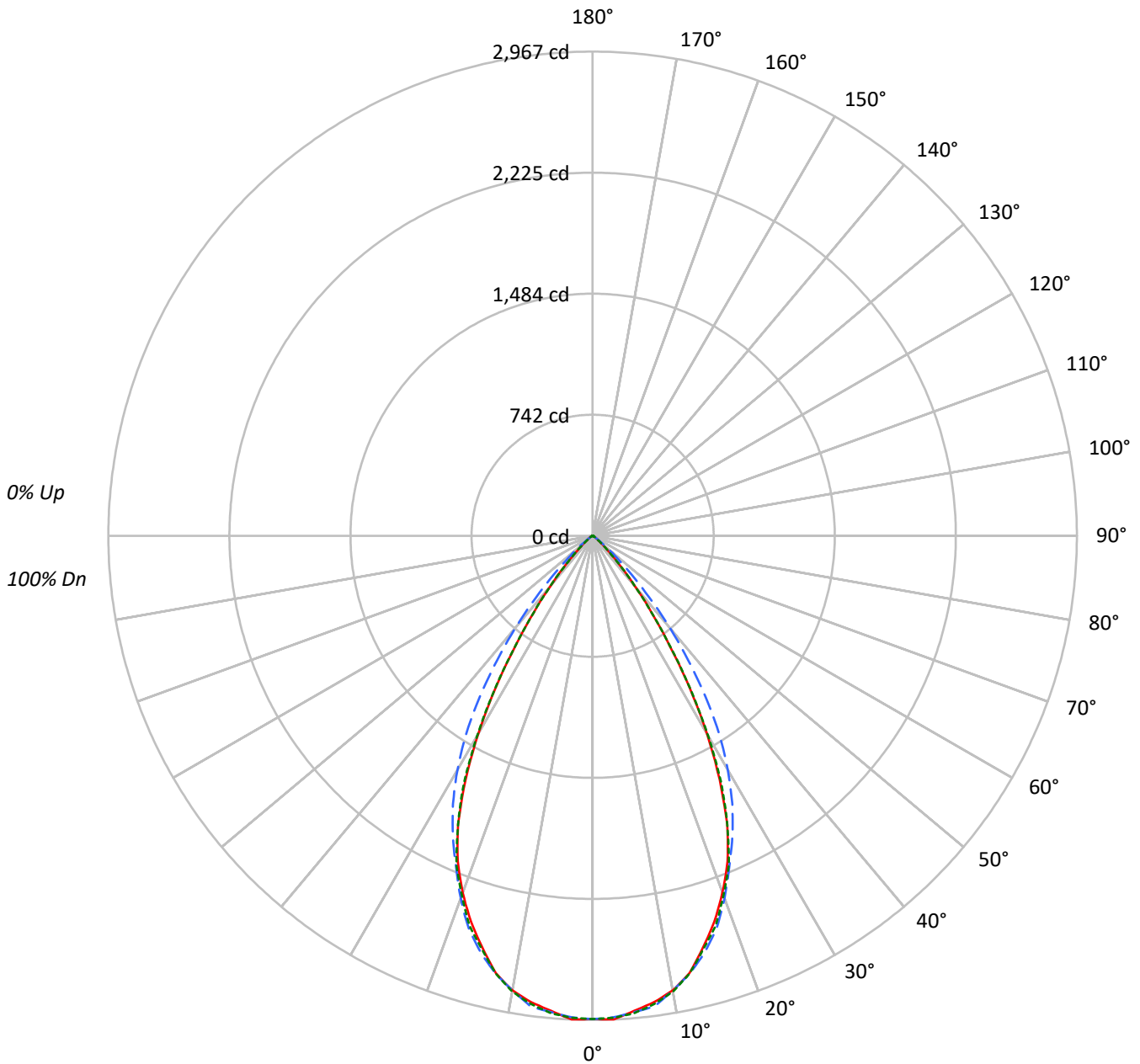
Lumens per Lamp: N/A  
Luminaire Lumens: 2782.7 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 34.1  
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					0
RW	70	50	30	10	70	50	30	10	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					100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93					93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87					87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80					80			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75					75			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69					69			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65					65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60					60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56					56			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53					53			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50					50			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	127496	127496	127496
5°	126289	126609	126929
10°	123666	123666	123998
15°	116433	117935	116852
20°	106607	108316	107377
25°	92633	96263	92724
30°	69668	82375	70319
35°	43247	63457	43442
40°	22763	41322	22656
45°	9426	20672	9651
50°	3630	7750	3630
55°	1959	2380	1824
60°	1292	1119	1292
65°	754	754	754
70°	466	705	466
75°	316	316	316
80°	471	471	471
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.2	10.0
10°-20°	737.4	26.5
20°-30°	905.0	32.5
30°-40°	624.8	22.5
40°-50°	195.3	7.0
50°-60°	30.5	1.1
60°-70°	8.8	0.3
70°-80°	2.9	0.1
80°-90°	0.7	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°	1919.7	69.0
0°-40°	2544.4	91.4
0°-60°	2770.3	99.6
0°-90°	2782.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2782.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2961	2961	2961	2961	2961	
5°	2922	2933	2929	2930	2937	276
15°	2612	2650	2646	2642	2622	731
25°	1950	2000	2026	2013	1952	874
35°	823	973	1207	982	826	526
45°	155	212	340	210	158	139
55°	26	28	32	28	24	25
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°	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2
2.5°	2966.7	2925.7	2951.9	2946.1	2961.2	2970.5	2961.2	2977.9	2966.7	2953.7	2957.5
5°	2922.0	2927.5	2925.7	2929.4	2933.1	2933.1	2951.9	2953.7	2957.5	2929.4	2936.8
7.5°	2882.7	2882.7	2892.1	2888.3	2901.4	2897.7	2899.6	2914.4	2916.3	2908.8	2903.3
10°	2828.6	2821.1	2811.8	2811.8	2828.6	2830.4	2845.5	2847.3	2858.5	2828.6	2832.4
12.5°	2744.8	2740.9	2726.1	2733.5	2746.6	2739.1	2763.3	2765.2	2761.5	2748.5	2755.9
15°	2612.1	2627.2	2623.4	2621.5	2651.4	2647.6	2645.8	2651.4	2653.2	2645.8	2640.2
17.5°	2479.7	2492.7	2494.6	2498.3	2503.9	2509.7	2517.1	2537.6	2530.1	2524.5	2543.2
20°	2326.7	2321.1	2336.1	2350.9	2356.5	2356.5	2367.8	2382.6	2371.5	2364.0	2365.9
22.5°	2160.6	2169.9	2162.5	2177.5	2185.0	2194.3	2205.4	2218.5	2209.1	2188.7	2213.0
25°	1949.9	1955.5	1979.7	1977.9	1989.0	2011.4	2028.1	2028.1	2028.1	2026.3	2026.3
27.5°	1684.9	1681.2	1711.0	1731.5	1759.5	1795.0	1817.3	1852.8	1858.5	1852.8	1839.8
30°	1401.3	1397.6	1434.8	1460.9	1511.4	1528.2	1589.7	1623.4	1658.8	1656.9	1647.6
32.5°	1106.4	1114.0	1143.8	1181.1	1222.1	1274.3	1332.2	1406.8	1438.6	1446.1	1429.2
35°	822.8	834.0	862.0	893.7	944.1	1002.0	1082.2	1153.1	1207.3	1207.3	1194.1
37.5°	593.3	597.0	623.2	643.8	695.9	748.2	817.3	914.3	947.9	960.9	947.9
40°	405.0	405.0	419.8	442.2	485.0	529.9	593.3	666.1	714.6	735.2	712.7
42.5°	257.5	261.2	272.4	287.4	319.1	358.2	406.8	460.9	496.3	511.3	490.7
45°	154.8	158.5	168.0	179.2	199.7	224.0	257.5	296.7	326.5	339.5	330.2
47.5°	93.3	97.0	100.7	108.3	123.1	139.9	156.7	179.2	197.8	199.7	196.0
50°	54.2	54.2	57.9	63.5	70.9	80.3	89.6	102.6	108.3	115.7	108.3
52.5°	35.4	35.4	35.4	37.3	41.0	44.8	48.5	55.9	59.8	59.8	57.9
55°	26.1	26.1	26.1	26.1	28.0	28.0	28.0	29.8	31.7	31.7	31.7
57.5°	18.7	18.7	18.7	20.5	20.5	20.5	18.7	18.7	18.7	18.7	18.7
60°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	13.0	13.0	13.0
62.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
65°	7.4	7.4	7.4	9.3	9.3	9.3	9.3	7.4	7.4	7.4	7.4
67.5°	5.6	5.6	5.6	7.4	7.4	7.4	7.4	7.4	5.6	5.6	5.6
70°	3.7	3.7	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
72.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2	2961.2
2.5°	2968.6	2959.3	2959.3	2959.3	2955.6	2959.3	2964.9	2955.6
5°	2936.8	2940.5	2923.8	2936.8	2942.4	2933.1	2955.6	2936.8
7.5°	2908.8	2903.3	2877.2	2895.8	2907.0	2910.7	2908.8	2894.0
10°	2852.9	2839.9	2828.6	2828.6	2824.8	2823.0	2843.6	2836.2
12.5°	2752.2	2761.5	2744.8	2754.0	2746.6	2748.5	2750.3	2746.6
15°	2666.3	2657.0	2634.6	2649.5	2640.2	2630.9	2649.5	2621.5
17.5°	2532.0	2530.1	2517.1	2507.8	2511.5	2509.7	2519.0	2506.0
20°	2373.3	2377.0	2369.6	2365.9	2360.3	2347.2	2358.5	2343.5
22.5°	2201.7	2205.4	2213.0	2198.0	2199.9	2181.3	2198.0	2181.3
25°	2028.1	2026.3	2017.0	2009.5	1989.0	1968.5	1964.8	1951.8
27.5°	1837.9	1824.8	1802.4	1778.2	1746.5	1718.4	1716.6	1707.3
30°	1628.9	1600.9	1559.9	1520.7	1472.2	1429.2	1429.2	1414.4
32.5°	1408.8	1345.2	1289.3	1240.8	1177.4	1153.1	1128.8	1115.8
35°	1145.6	1089.7	1022.4	942.2	912.4	852.8	856.5	826.5
37.5°	897.4	828.4	765.0	699.7	647.5	619.5	604.5	589.6
40°	666.1	598.9	529.9	486.9	440.4	416.1	406.8	403.1
42.5°	455.2	399.3	354.5	319.1	294.8	268.6	261.2	257.5
45°	296.7	264.9	224.0	196.0	179.2	164.3	164.3	158.5
47.5°	177.3	156.7	136.2	117.5	106.4	97.0	93.3	91.4
50°	98.9	87.7	76.6	69.0	61.6	55.9	54.2	54.2
52.5°	54.2	48.5	44.8	39.1	35.4	35.4	35.4	33.5
55°	28.0	28.0	28.0	28.0	26.1	26.1	26.1	24.3
57.5°	18.7	18.7	20.5	20.5	20.5	18.7	18.7	18.7
60°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
62.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
65°	7.4	9.3	9.3	9.3	9.3	7.4	7.4	7.4
67.5°	5.6	7.4	7.4	7.4	5.6	5.6	5.6	5.6
70°	5.6	5.6	5.6	5.6	5.6	3.7	3.7	3.7
72.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9	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)