

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: P844348

Luminaire Tested: **LD6C30DE010B50 EU6C30B50 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844348
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: LD6C30DE010B50 EU6C30B50 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

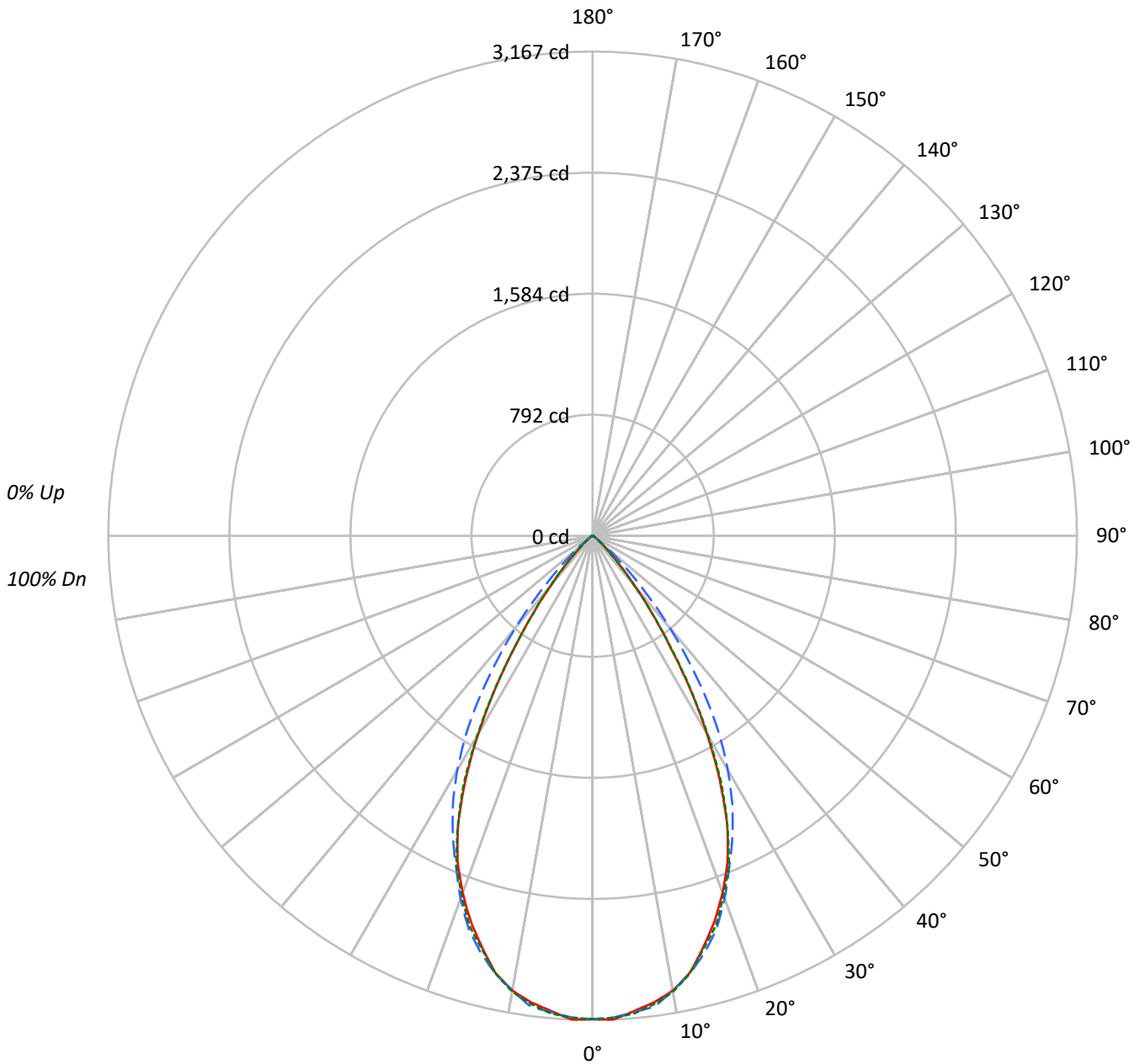
Lumens per Lamp: N/A
Luminaire Lumens: 2970.9 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	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°	136120	136120	136120
5°	134834	135175	135521
10°	132034	132034	132384
15°	124314	125910	124755
20°	113819	115647	114639
25°	98895	102776	98990
30°	74376	87948	75077
35°	46180	67746	46385
40°	24303	44115	24191
45°	10065	22079	10309
50°	3865	8272	3865
55°	2094	2537	1944
60°	1378	1197	1378
65°	805	805	805
70°	504	743	504
75°	333	333	333
80°	496	496	496
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.0	10.0
10°-20°	787.3	26.5
20°-30°	966.3	32.5
30°-40°	667.0	22.5
40°-50°	208.6	7.0
50°-60°	32.6	1.1
60°-70°	9.4	0.3
70°-80°	3.1	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°	2049.5	69.0
0°-40°	2716.6	91.4
0°-60°	2957.7	99.6
0°-90°	2970.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2970.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3162	3162	3162	3162	3162	
5°	3120	3132	3128	3129	3136	295
15°	2789	2829	2825	2821	2799	780
25°	2082	2136	2163	2149	2084	933
35°	879	1039	1289	1049	882	561
45°	165	226	363	224	169	148
55°	28	30	34	30	26	27
65°	8	10	8	10	8	9
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°	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5
2.5°	3167.4	3123.6	3151.5	3145.5	3161.5	3171.4	3161.5	3179.4	3167.4	3153.5	3157.5
5°	3119.7	3125.6	3123.6	3127.6	3131.5	3131.5	3151.5	3153.5	3157.5	3127.6	3135.6
7.5°	3077.7	3077.7	3087.8	3083.7	3097.7	3093.8	3095.7	3111.7	3113.6	3105.6	3099.7
10°	3020.0	3012.0	3002.1	3002.1	3020.0	3022.0	3037.9	3040.0	3051.8	3020.0	3024.1
12.5°	2930.4	2926.4	2910.5	2918.4	2932.4	2924.4	2950.3	2952.3	2948.3	2934.4	2942.3
15°	2788.9	2805.0	2800.8	2798.8	2830.8	2826.7	2824.7	2830.8	2832.7	2824.7	2818.8
17.5°	2647.6	2661.4	2663.4	2667.4	2673.4	2679.4	2687.3	2709.3	2701.2	2695.3	2715.3
20°	2484.1	2478.1	2494.1	2510.0	2516.0	2516.0	2528.0	2543.8	2532.0	2524.0	2526.1
22.5°	2306.9	2316.7	2308.8	2324.7	2332.8	2342.7	2354.6	2368.6	2358.5	2336.7	2362.6
25°	2081.7	2087.8	2113.7	2111.7	2123.5	2147.5	2165.4	2165.4	2165.4	2163.4	2163.4
27.5°	1798.9	1794.9	1826.7	1848.6	1878.5	1916.4	1940.2	1978.1	1984.1	1978.1	1964.2
30°	1496.0	1492.1	1531.9	1559.8	1613.6	1631.6	1697.3	1733.1	1771.0	1769.0	1759.1
32.5°	1181.3	1189.3	1221.2	1261.0	1304.8	1360.6	1422.4	1501.9	1536.0	1543.9	1526.0
35°	878.6	890.4	920.4	954.2	1008.0	1069.8	1155.4	1231.1	1288.9	1288.9	1274.9
37.5°	633.5	637.4	665.4	687.4	743.0	798.8	872.5	976.2	1011.9	1025.9	1011.9
40°	432.4	432.4	448.2	472.1	517.9	565.7	633.5	711.2	763.0	784.9	761.0
42.5°	275.0	278.9	290.8	306.8	340.7	382.4	434.3	492.1	530.0	545.8	524.0
45°	165.3	169.3	179.4	191.2	213.2	239.1	275.0	316.8	348.6	362.6	352.6
47.5°	99.6	103.5	107.6	115.6	131.5	149.4	167.3	191.2	211.2	213.2	209.2
50°	57.7	57.7	61.8	67.7	75.6	85.7	95.6	109.5	115.6	123.5	115.6
52.5°	37.9	37.9	37.9	39.8	43.8	47.9	51.8	59.8	63.8	63.8	61.8
55°	27.9	27.9	27.9	27.9	29.9	29.9	29.9	31.8	33.8	33.8	33.8
57.5°	20.0	20.0	20.0	22.0	22.0	22.0	20.0	20.0	20.0	20.0	20.0
60°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	13.9	13.9	13.9
62.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
65°	7.9	7.9	7.9	9.9	9.9	9.9	9.9	7.9	7.9	7.9	7.9
67.5°	5.9	5.9	5.9	7.9	7.9	7.9	7.9	7.9	5.9	5.9	5.9
70°	4.0	4.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5	3161.5
2.5°	3169.4	3159.5	3159.5	3159.5	3155.6	3159.5	3165.4	3155.6
5°	3135.6	3139.5	3121.7	3135.6	3141.5	3131.5	3155.6	3135.6
7.5°	3105.6	3099.7	3071.8	3091.8	3103.6	3107.6	3105.6	3089.8
10°	3045.9	3032.0	3020.0	3020.0	3015.9	3014.0	3035.9	3028.0
12.5°	2938.3	2948.3	2930.4	2940.3	2932.4	2934.4	2936.4	2932.4
15°	2846.7	2836.8	2812.9	2828.7	2818.8	2808.9	2828.7	2798.8
17.5°	2703.2	2701.2	2687.3	2677.4	2681.4	2679.4	2689.4	2675.4
20°	2534.0	2537.9	2530.0	2526.1	2520.0	2506.1	2518.0	2502.0
22.5°	2350.6	2354.6	2362.6	2346.7	2348.7	2328.8	2346.7	2328.8
25°	2165.4	2163.4	2153.4	2145.5	2123.5	2101.6	2097.6	2083.7
27.5°	1962.2	1948.4	1924.4	1898.5	1864.6	1834.7	1832.8	1822.8
30°	1739.1	1709.2	1665.5	1623.5	1571.9	1526.0	1526.0	1510.1
32.5°	1504.1	1436.3	1376.5	1324.8	1257.0	1231.1	1205.2	1191.3
35°	1223.2	1163.4	1091.6	1006.0	974.2	910.4	914.4	882.5
37.5°	958.2	884.5	816.8	747.1	691.3	661.3	645.4	629.5
40°	711.2	639.4	565.7	519.9	470.1	444.2	434.3	430.4
42.5°	486.0	426.2	378.5	340.7	314.8	286.8	278.9	275.0
45°	316.8	282.9	239.1	209.2	191.2	175.4	175.4	169.3
47.5°	189.2	167.3	145.4	125.5	113.6	103.5	99.6	97.6
50°	105.6	93.6	81.8	73.7	65.7	59.8	57.7	57.7
52.5°	57.7	51.8	47.9	41.8	37.9	37.9	37.9	35.9
55°	29.9	29.9	29.9	29.9	27.9	27.9	27.9	25.9
57.5°	20.0	20.0	22.0	22.0	22.0	20.0	20.0	20.0
60°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
62.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
65°	7.9	9.9	9.9	9.9	9.9	7.9	7.9	7.9
67.5°	5.9	7.9	7.9	7.9	5.9	5.9	5.9	5.9
70°	5.9	5.9	5.9	5.9	5.9	4.0	4.0	4.0
72.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	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)