

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: P844280

Luminaire Tested: **LD6C30DE010B2750 EU6C30B27 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844280
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: LD6C30DE010B2750 EU6C30B27 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

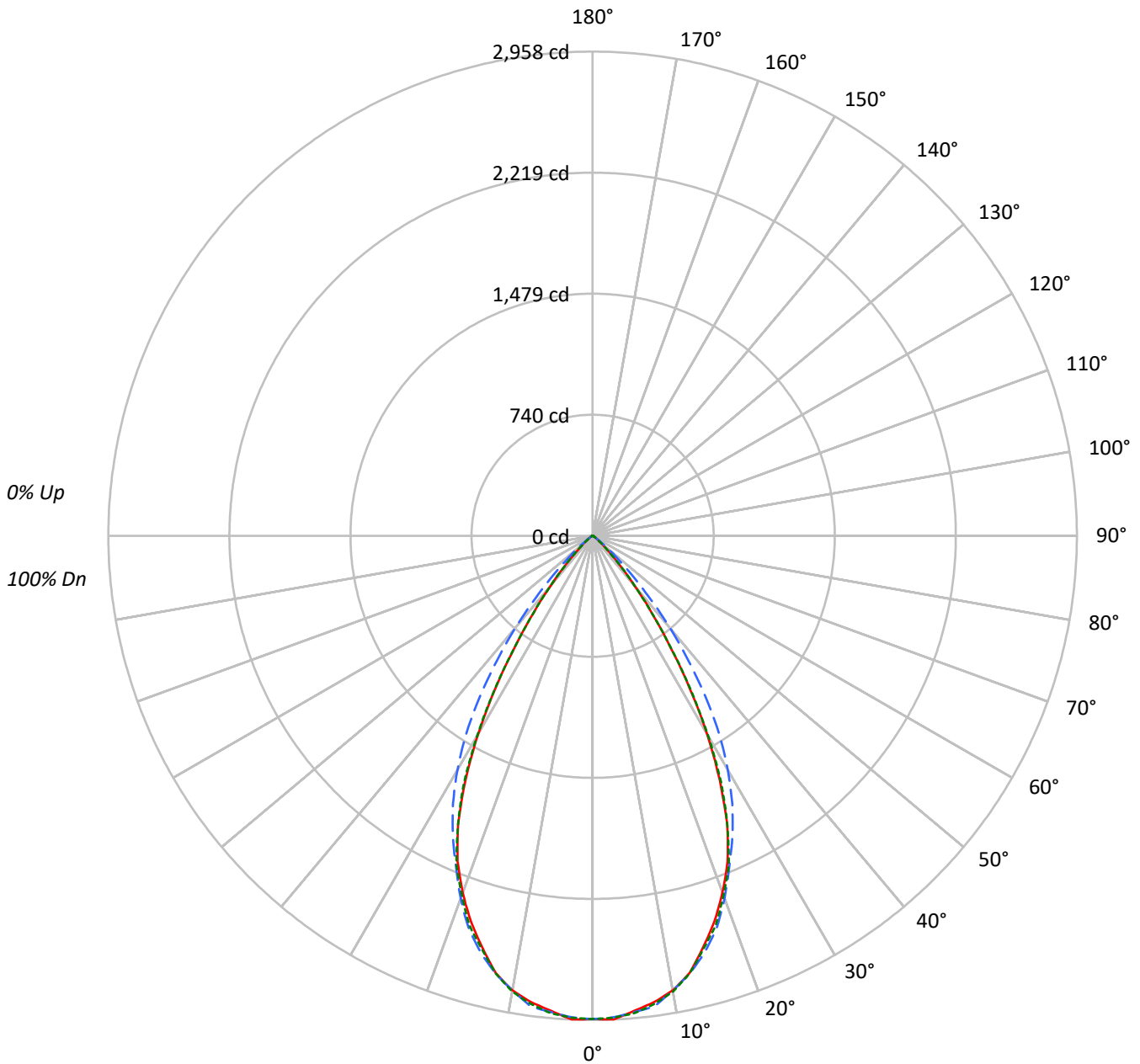
Lumens per Lamp: N/A
Luminaire Lumens: 2774.2 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	127109	127109	127109
5°	125905	126224	126549
10°	123290	123290	123618
15°	116081	117574	116495
20°	106281	107991	107051
25°	92348	95968	92434
30°	69449	82122	70100
35°	43121	63263	43316
40°	22690	41193	22583
45°	9401	20611	9627
50°	3610	7730	3610
55°	1952	2372	1817
60°	1283	1119	1283
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°	276.4	10.0
10°-20°	735.2	26.5
20°-30°	902.3	32.5
30°-40°	622.9	22.5
40°-50°	194.7	7.0
50°-60°	30.4	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°	1913.8	69.0
0°-40°	2536.7	91.4
0°-60°	2761.8	99.6
0°-90°	2774.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2774.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2952	2952	2952	2952	2952	
5°	2913	2924	2920	2921	2928	275
15°	2604	2641	2638	2634	2614	728
25°	1944	1994	2020	2007	1946	871
35°	820	970	1204	979	824	524
45°	154	211	338	209	158	138
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°	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2
2.5°	2957.7	2916.8	2942.9	2937.2	2952.2	2961.4	2952.2	2968.8	2957.7	2944.8	2948.5
5°	2913.1	2918.6	2916.8	2920.5	2924.3	2924.3	2942.9	2944.8	2948.5	2920.5	2928.0
7.5°	2873.9	2873.9	2883.3	2879.5	2892.6	2888.9	2890.7	2905.5	2907.4	2900.0	2894.4
10°	2820.0	2812.6	2803.4	2803.4	2820.0	2821.9	2836.8	2838.7	2849.8	2820.0	2823.8
12.5°	2736.4	2732.6	2717.7	2725.1	2738.2	2730.7	2754.9	2756.7	2753.0	2740.1	2747.5
15°	2604.2	2619.2	2615.3	2613.5	2643.2	2639.5	2637.7	2643.2	2645.1	2637.7	2632.1
17.5°	2472.2	2485.2	2487.0	2490.7	2496.3	2502.0	2509.4	2529.9	2522.4	2516.9	2535.5
20°	2319.6	2314.0	2329.0	2343.8	2349.3	2349.3	2360.6	2375.4	2364.3	2356.9	2358.7
22.5°	2154.1	2163.4	2156.0	2170.8	2178.3	2187.6	2198.7	2211.8	2202.4	2182.0	2206.2
25°	1943.9	1949.4	1973.7	1971.9	1983.0	2005.3	2022.0	2022.0	2022.0	2020.1	2020.1
27.5°	1679.7	1676.0	1705.9	1726.2	1754.1	1789.5	1811.8	1847.2	1852.8	1847.2	1834.1
30°	1396.9	1393.2	1430.4	1456.5	1506.7	1523.5	1585.0	1618.4	1653.7	1651.8	1642.6
32.5°	1103.0	1110.6	1140.3	1177.6	1218.4	1270.5	1328.2	1402.5	1434.3	1441.7	1424.8
35°	820.4	831.5	859.4	891.1	941.3	998.9	1078.9	1149.6	1203.6	1203.6	1190.5
37.5°	591.5	595.2	621.3	641.8	693.8	745.9	814.8	911.5	945.0	957.9	945.0
40°	403.7	403.7	418.5	440.8	483.7	528.3	591.5	664.0	712.4	732.9	710.6
42.5°	256.8	260.5	271.6	286.5	318.1	357.2	405.6	459.5	494.9	509.7	489.3
45°	154.4	158.1	167.4	178.5	199.0	223.3	256.8	295.8	325.5	338.5	329.2
47.5°	93.0	96.7	100.4	107.9	122.8	139.5	156.2	178.5	197.2	199.0	195.3
50°	53.9	53.9	57.6	63.2	70.6	80.1	89.3	102.3	107.9	115.4	107.9
52.5°	35.3	35.3	35.3	37.1	40.9	44.7	48.4	55.8	59.5	59.5	57.6
55°	26.0	26.0	26.0	26.0	27.9	27.9	27.9	29.7	31.6	31.6	31.6
57.5°	18.6	18.6	18.6	20.5	20.5	20.5	18.6	18.6	18.6	18.6	18.6
60°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	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°	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2	2952.2
2.5°	2959.6	2950.3	2950.3	2950.3	2946.6	2950.3	2955.9	2946.6
5°	2928.0	2931.7	2914.9	2928.0	2933.5	2924.3	2946.6	2928.0
7.5°	2900.0	2894.4	2868.4	2887.0	2898.1	2901.8	2900.0	2885.2
10°	2844.2	2831.2	2820.0	2820.0	2816.3	2814.5	2834.9	2827.5
12.5°	2743.8	2753.0	2736.4	2745.6	2738.2	2740.1	2741.9	2738.2
15°	2658.3	2648.9	2626.6	2641.4	2632.1	2622.9	2641.4	2613.5
17.5°	2524.3	2522.4	2509.4	2500.1	2503.8	2502.0	2511.2	2498.2
20°	2366.1	2369.8	2362.4	2358.7	2353.1	2340.1	2351.3	2336.4
22.5°	2195.0	2198.7	2206.2	2191.3	2193.1	2174.6	2191.3	2174.6
25°	2022.0	2020.1	2010.9	2003.5	1983.0	1962.4	1958.7	1945.7
27.5°	1832.2	1819.3	1796.9	1772.8	1741.2	1713.3	1711.4	1702.2
30°	1624.0	1596.1	1555.1	1516.0	1467.7	1424.8	1424.8	1410.0
32.5°	1404.5	1341.2	1285.3	1237.0	1173.8	1149.6	1125.4	1112.4
35°	1142.2	1086.4	1019.3	939.4	909.7	850.1	853.8	824.1
37.5°	894.8	825.9	762.7	697.6	645.5	617.6	602.6	587.8
40°	664.0	597.1	528.3	485.5	439.0	414.8	405.6	401.8
42.5°	453.8	398.0	353.5	318.1	293.9	267.9	260.5	256.8
45°	295.8	264.2	223.3	195.3	178.5	163.7	163.7	158.1
47.5°	176.7	156.2	135.8	117.2	106.1	96.7	93.0	91.2
50°	98.6	87.5	76.4	68.7	61.3	55.8	53.9	53.9
52.5°	53.9	48.4	44.7	39.0	35.3	35.3	35.3	33.4
55°	27.9	27.9	27.9	27.9	26.0	26.0	26.0	24.2
57.5°	18.6	18.6	20.5	20.5	20.5	18.6	18.6	18.6
60°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
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)