

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: P844297

Luminaire Tested: **LD6C30DE010B2750 EU6C30B30 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844297
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 EU6C30B30 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

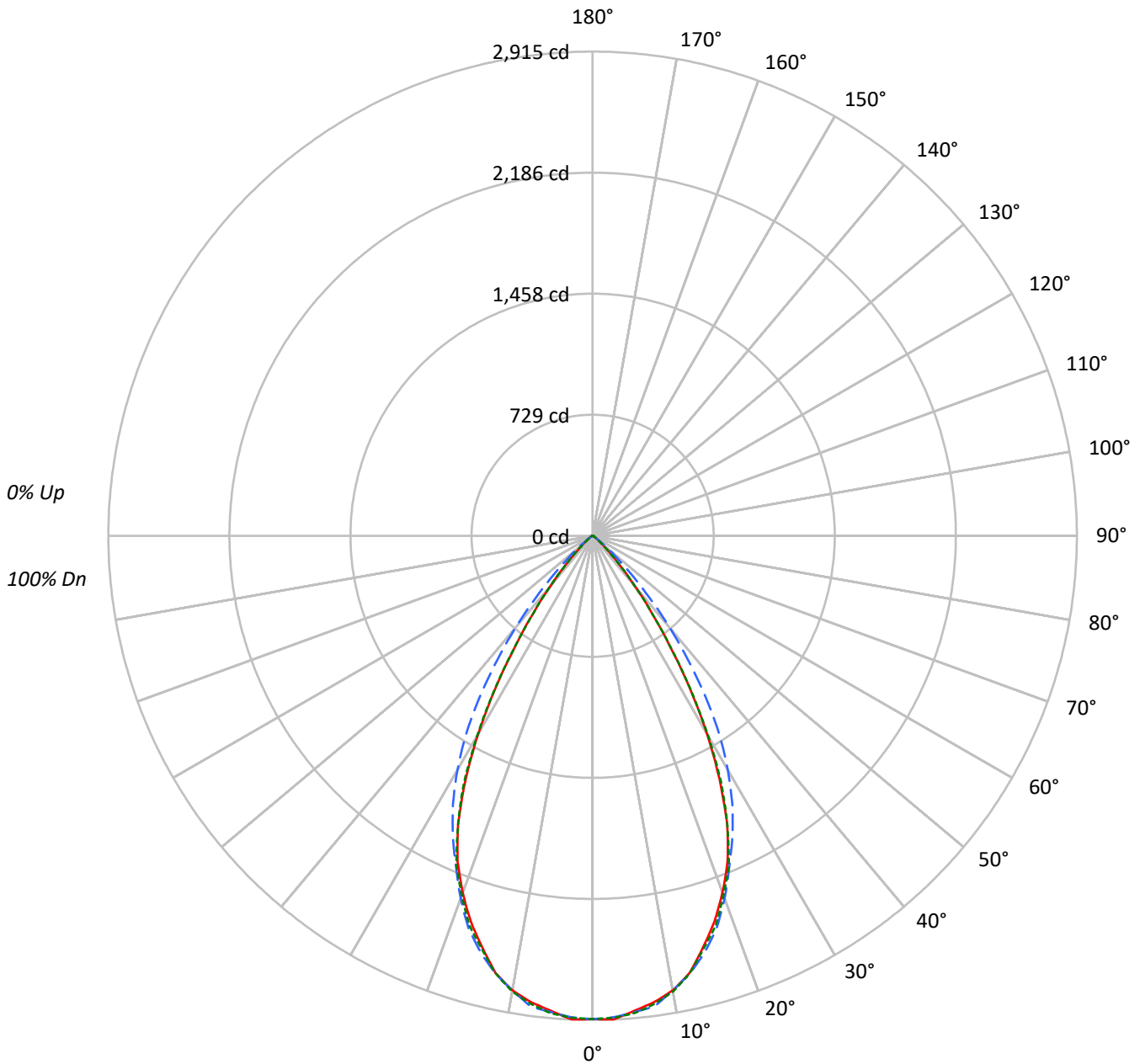
Lumens per Lamp: N/A
Luminaire Lumens: 2734.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	125262	125262	125262
5°	124081	124396	124712
10°	121502	121502	121825
15°	114405	115871	114811
20°	104742	106428	105503
25°	91013	94581	91099
30°	68445	80933	69086
35°	42496	62343	42690
40°	22364	40603	22257
45°	9261	20313	9487
50°	3563	7616	3563
55°	1929	2342	1794
60°	1266	1102	1266
65°	744	744	744
70°	466	692	466
75°	299	299	299
80°	446	446	446
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.4	10.0
10°-20°	724.5	26.5
20°-30°	889.2	32.5
30°-40°	613.8	22.5
40°-50°	191.9	7.0
50°-60°	30.0	1.1
60°-70°	8.7	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°	1886.1	69.0
0°-40°	2500.0	91.4
0°-60°	2721.9	99.6
0°-90°	2734.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2734.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2909	2909	2909	2909	2909	
5°	2871	2882	2878	2879	2886	271
15°	2567	2603	2600	2596	2576	718
25°	1916	1965	1991	1978	1918	858
35°	808	956	1186	965	812	516
45°	152	208	334	206	156	136
55°	26	28	31	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°	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3
2.5°	2914.8	2874.5	2900.2	2894.6	2909.3	2918.5	2909.3	2925.8	2914.8	2902.0	2905.7
5°	2870.9	2876.3	2874.5	2878.2	2881.8	2881.8	2900.2	2902.0	2905.7	2878.2	2885.5
7.5°	2832.3	2832.3	2841.5	2837.8	2850.7	2847.0	2848.8	2863.4	2865.3	2858.0	2852.5
10°	2779.1	2771.8	2762.8	2762.8	2779.1	2780.9	2795.6	2797.5	2808.4	2779.1	2783.0
12.5°	2696.8	2692.9	2678.4	2685.6	2698.6	2691.1	2715.1	2716.8	2713.1	2700.4	2707.6
15°	2566.6	2581.3	2577.5	2575.7	2605.0	2601.4	2599.5	2605.0	2606.9	2599.5	2594.1
17.5°	2436.4	2449.2	2451.1	2454.7	2460.2	2465.8	2473.1	2493.3	2485.9	2480.4	2498.8
20°	2286.0	2280.5	2295.3	2309.9	2315.4	2315.4	2326.4	2341.0	2330.1	2322.8	2324.6
22.5°	2122.9	2132.1	2124.7	2139.4	2146.8	2155.9	2166.9	2179.8	2170.5	2150.4	2174.3
25°	1915.8	1921.2	1945.1	1943.3	1954.2	1976.3	1992.7	1992.7	1992.7	1990.9	1990.9
27.5°	1655.4	1651.8	1681.1	1701.2	1728.7	1763.6	1785.5	1820.4	1825.9	1820.4	1807.6
30°	1376.7	1373.1	1409.7	1435.4	1484.9	1501.5	1561.9	1594.9	1629.7	1627.9	1618.8
32.5°	1087.0	1094.4	1123.8	1160.4	1200.7	1252.1	1308.9	1382.2	1413.5	1420.8	1404.2
35°	808.5	819.5	847.0	878.2	927.7	984.4	1063.2	1132.9	1186.1	1186.1	1173.2
37.5°	583.0	586.7	612.3	632.5	683.8	735.1	803.0	898.4	931.2	944.0	931.2
40°	397.9	397.9	412.5	434.5	476.6	520.7	583.0	654.5	702.2	722.4	700.3
42.5°	253.0	256.7	267.6	282.4	313.5	352.0	399.7	452.9	487.7	502.3	482.2
45°	152.1	155.8	165.0	176.0	196.2	220.0	253.0	291.5	320.8	333.6	324.5
47.5°	91.7	95.3	99.0	106.4	121.0	137.5	154.0	176.0	194.4	196.2	192.5
50°	53.2	53.2	56.8	62.3	69.6	78.9	88.0	100.8	106.4	113.7	106.4
52.5°	34.8	34.8	34.8	36.6	40.3	44.1	47.7	55.0	58.7	58.7	56.8
55°	25.7	25.7	25.7	25.7	27.5	27.5	27.5	29.3	31.2	31.2	31.2
57.5°	18.4	18.4	18.4	20.2	20.2	20.2	18.4	18.4	18.4	18.4	18.4
60°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	12.8	12.8	12.8
62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
65°	7.3	7.3	7.3	9.1	9.1	9.1	9.1	7.3	7.3	7.3	7.3
67.5°	5.5	5.5	5.5	7.3	7.3	7.3	7.3	7.3	5.5	5.5	5.5
70°	3.7	3.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
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°	1.8	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°	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3	2909.3
2.5°	2916.6	2907.5	2907.5	2907.5	2903.8	2907.5	2913.0	2903.8
5°	2885.5	2889.1	2872.7	2885.5	2890.9	2881.8	2903.8	2885.5
7.5°	2858.0	2852.5	2826.8	2845.2	2856.1	2859.8	2858.0	2843.3
10°	2803.0	2790.2	2779.1	2779.1	2775.4	2773.6	2793.8	2786.5
12.5°	2704.1	2713.1	2696.8	2705.9	2698.6	2700.4	2702.3	2698.6
15°	2619.7	2610.6	2588.6	2603.2	2594.1	2584.9	2603.2	2575.7
17.5°	2487.7	2485.9	2473.1	2464.0	2467.6	2465.8	2474.9	2462.1
20°	2331.9	2335.6	2328.2	2324.6	2319.1	2306.2	2317.3	2302.6
22.5°	2163.2	2166.9	2174.3	2159.6	2161.4	2143.1	2159.6	2143.1
25°	1992.7	1990.9	1981.7	1974.4	1954.2	1934.0	1930.4	1917.6
27.5°	1805.7	1793.0	1770.9	1747.1	1715.9	1688.4	1686.6	1677.4
30°	1600.4	1572.9	1532.6	1494.0	1446.4	1404.2	1404.2	1389.6
32.5°	1384.1	1321.7	1266.7	1219.1	1156.8	1132.9	1109.1	1096.3
35°	1125.6	1070.6	1004.5	925.9	896.5	837.9	841.5	812.2
37.5°	881.7	814.0	751.7	687.5	636.2	608.7	594.0	579.3
40°	654.5	588.5	520.7	478.5	432.7	408.8	399.7	396.0
42.5°	447.3	392.3	348.3	313.5	289.7	264.0	256.7	253.0
45°	291.5	260.3	220.0	192.5	176.0	161.4	161.4	155.8
47.5°	174.2	154.0	133.9	115.5	104.5	95.3	91.7	89.8
50°	97.1	86.2	75.2	67.8	60.5	55.0	53.2	53.2
52.5°	53.2	47.7	44.1	38.5	34.8	34.8	34.8	33.0
55°	27.5	27.5	27.5	27.5	25.7	25.7	25.7	23.9
57.5°	18.4	18.4	20.2	20.2	20.2	18.4	18.4	18.4
60°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
62.5°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
65°	7.3	9.1	9.1	9.1	9.1	7.3	7.3	7.3
67.5°	5.5	7.3	7.3	7.3	5.5	5.5	5.5	5.5
70°	5.5	5.5	5.5	5.5	5.5	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°	1.8	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)