

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: P844212

Luminaire Tested: **LD6C25DE010B2750 EU6C25B30 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844212
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: LD6C25DE010B2750 EU6C25B30 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

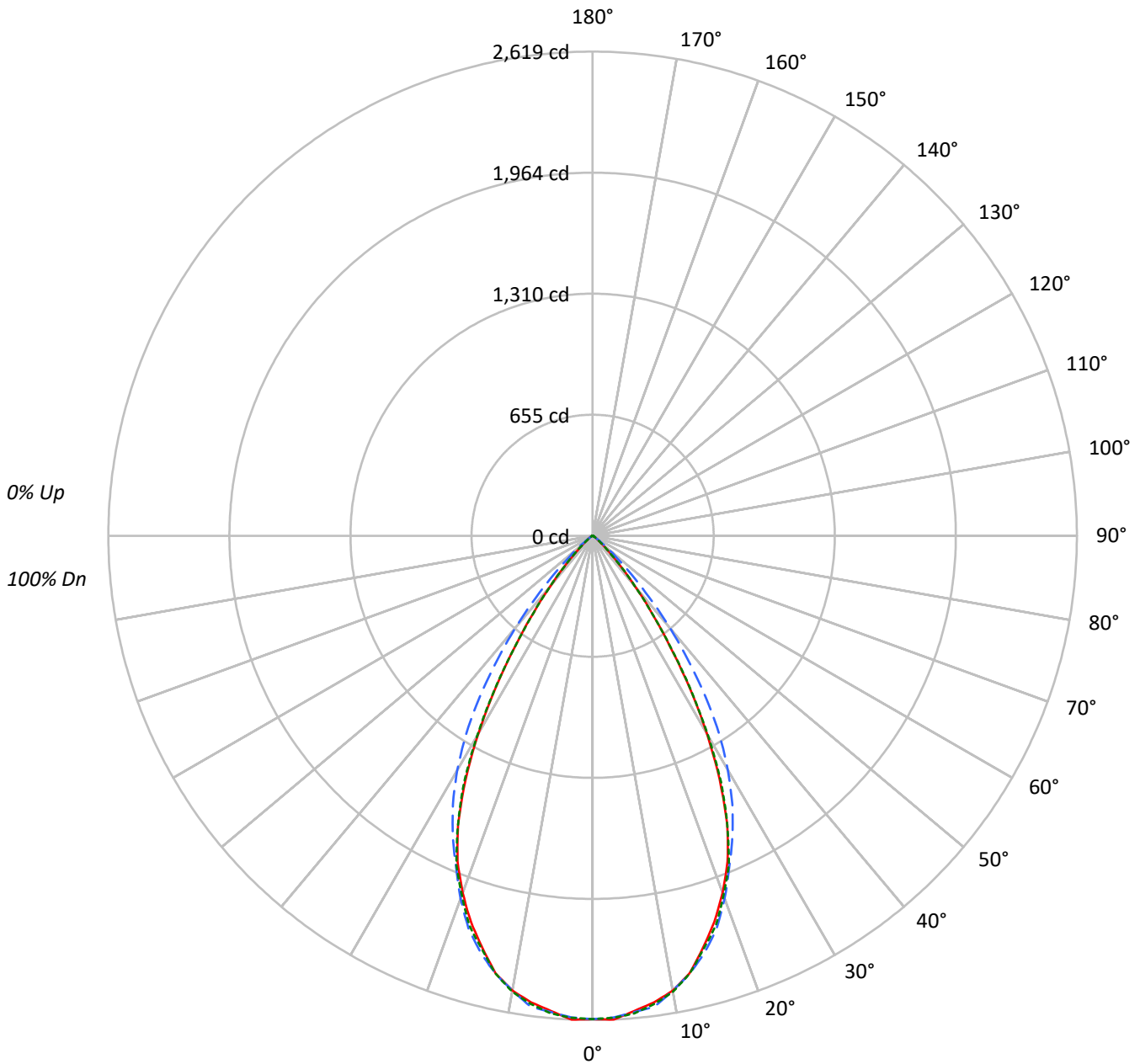
Lumens per Lamp: N/A
Luminaire Lumens: 2457.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	112569	112569	112569
5°	111504	111785	112070
10°	109190	109190	109483
15°	102807	104126	103172
20°	94126	95638	94808
25°	81787	84994	81863
30°	61509	72730	62081
35°	38191	56025	38364
40°	20093	36483	20003
45°	8330	18249	8525
50°	3202	6846	3202
55°	1734	2102	1614
60°	1137	990	1137
65°	672	672	672
70°	415	629	415
75°	283	283	283
80°	422	422	422
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.8	10.0
10°-20°	651.1	26.5
20°-30°	799.1	32.5
30°-40°	551.6	22.5
40°-50°	172.5	7.0
50°-60°	27.0	1.1
60°-70°	7.8	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°	1694.9	69.0
0°-40°	2246.6	91.4
0°-60°	2446.0	99.6
0°-90°	2457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2614	2614	2614	2614	2614	
5°	2580	2590	2586	2587	2593	244
15°	2306	2339	2336	2333	2315	645
25°	1722	1766	1789	1778	1723	771
35°	727	859	1066	867	730	464
45°	137	187	300	185	140	123
55°	23	25	28	25	22	22
65°	7	8	7	8	7	7
75°	2	2	2	2	2	2
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°	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5
2.5°	2619.4	2583.2	2606.3	2601.3	2614.5	2622.7	2614.5	2629.3	2619.4	2607.9	2611.2
5°	2579.9	2584.9	2583.2	2586.4	2589.7	2589.7	2606.3	2607.9	2611.2	2586.4	2593.0
7.5°	2545.3	2545.3	2553.6	2550.2	2561.8	2558.5	2560.1	2573.2	2574.9	2568.4	2563.4
10°	2497.5	2490.9	2482.7	2482.7	2497.5	2499.1	2512.3	2514.0	2523.8	2497.5	2500.9
12.5°	2423.5	2420.1	2406.9	2413.4	2425.0	2418.4	2439.9	2441.4	2438.2	2426.7	2433.3
15°	2306.4	2319.6	2316.2	2314.6	2341.0	2337.7	2336.0	2341.0	2342.6	2336.0	2331.1
17.5°	2189.5	2200.9	2202.6	2205.9	2210.8	2215.8	2222.4	2240.6	2233.9	2229.0	2245.5
20°	2054.3	2049.4	2062.6	2075.7	2080.7	2080.7	2090.6	2103.7	2093.9	2087.3	2088.9
22.5°	1907.8	1915.9	1909.3	1922.5	1929.1	1937.4	1947.2	1958.8	1950.5	1932.4	1953.9
25°	1721.6	1726.5	1748.0	1746.3	1756.2	1776.0	1790.7	1790.7	1790.7	1789.1	1789.1
27.5°	1487.7	1484.4	1510.7	1528.8	1553.5	1584.9	1604.5	1635.8	1640.9	1635.8	1624.3
30°	1237.2	1233.9	1266.8	1289.9	1334.4	1349.3	1403.7	1433.3	1464.6	1462.9	1454.8
32.5°	976.9	983.6	1009.9	1042.8	1079.0	1125.2	1176.3	1242.1	1270.2	1276.8	1261.9
35°	726.6	736.4	761.1	789.1	833.6	884.7	955.5	1018.1	1065.9	1065.9	1054.4
37.5°	523.8	527.1	550.3	568.4	614.5	660.6	721.6	807.3	836.9	848.4	836.9
40°	357.5	357.5	370.7	390.5	428.3	467.9	523.8	588.0	631.0	649.1	629.3
42.5°	227.4	230.7	240.5	253.7	281.8	316.3	359.2	407.0	438.3	451.4	433.3
45°	136.8	140.0	148.3	158.1	176.3	197.8	227.4	262.0	288.3	299.7	291.6
47.5°	82.4	85.7	88.9	95.6	108.7	123.6	138.3	158.1	174.6	176.3	173.0
50°	47.8	47.8	51.1	55.9	62.6	70.9	79.1	90.5	95.6	102.2	95.6
52.5°	31.3	31.3	31.3	32.9	36.2	39.6	42.8	49.4	52.7	52.7	51.1
55°	23.1	23.1	23.1	23.1	24.7	24.7	24.7	26.3	28.0	28.0	28.0
57.5°	16.5	16.5	16.5	18.2	18.2	18.2	16.5	16.5	16.5	16.5	16.5
60°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	11.5	11.5	11.5
62.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
65°	6.6	6.6	6.6	8.2	8.2	8.2	8.2	6.6	6.6	6.6	6.6
67.5°	5.0	5.0	5.0	6.6	6.6	6.6	6.6	6.6	5.0	5.0	5.0
70°	3.3	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5	2614.5
2.5°	2621.0	2612.9	2612.9	2612.9	2609.6	2612.9	2617.7	2609.6
5°	2593.0	2596.4	2581.6	2593.0	2598.0	2589.7	2609.6	2593.0
7.5°	2568.4	2563.4	2540.3	2556.8	2566.7	2569.9	2568.4	2555.2
10°	2518.9	2507.4	2497.5	2497.5	2494.2	2492.5	2510.7	2504.2
12.5°	2430.0	2438.2	2423.5	2431.6	2425.0	2426.7	2428.3	2425.0
15°	2354.2	2345.9	2326.2	2339.3	2331.1	2322.9	2339.3	2314.6
17.5°	2235.5	2233.9	2222.4	2214.2	2217.4	2215.8	2224.0	2212.6
20°	2095.5	2098.8	2092.2	2088.9	2084.1	2072.4	2082.4	2069.2
22.5°	1943.9	1947.2	1953.9	1940.7	1942.3	1925.8	1940.7	1925.8
25°	1790.7	1789.1	1780.8	1774.3	1756.2	1738.0	1734.7	1723.2
27.5°	1622.7	1611.2	1591.4	1570.1	1542.0	1517.3	1515.7	1507.4
30°	1438.2	1413.5	1377.3	1342.7	1299.8	1261.9	1261.9	1248.7
32.5°	1243.9	1187.7	1138.3	1095.6	1039.5	1018.1	996.7	985.2
35°	1011.5	962.1	902.7	831.9	805.6	752.9	756.2	729.9
37.5°	792.4	731.5	675.5	617.9	571.7	547.0	533.7	520.6
40°	588.0	528.8	467.9	429.9	388.8	367.4	359.2	355.9
42.5°	401.9	352.5	313.1	281.8	260.3	237.2	230.7	227.4
45°	262.0	233.9	197.8	173.0	158.1	145.0	145.0	140.0
47.5°	156.5	138.3	120.3	103.8	93.9	85.7	82.4	80.7
50°	87.3	77.4	67.6	60.9	54.4	49.4	47.8	47.8
52.5°	47.8	42.8	39.6	34.6	31.3	31.3	31.3	29.6
55°	24.7	24.7	24.7	24.7	23.1	23.1	23.1	21.5
57.5°	16.5	16.5	18.2	18.2	18.2	16.5	16.5	16.5
60°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
62.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
65°	6.6	8.2	8.2	8.2	8.2	6.6	6.6	6.6
67.5°	5.0	6.6	6.6	6.6	5.0	5.0	5.0	5.0
70°	5.0	5.0	5.0	5.0	5.0	3.3	3.3	3.3
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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)