

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: P844195

Luminaire Tested: **LD6C25DE010B2750 EU6C25B27 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844195
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 EU6C25B27 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

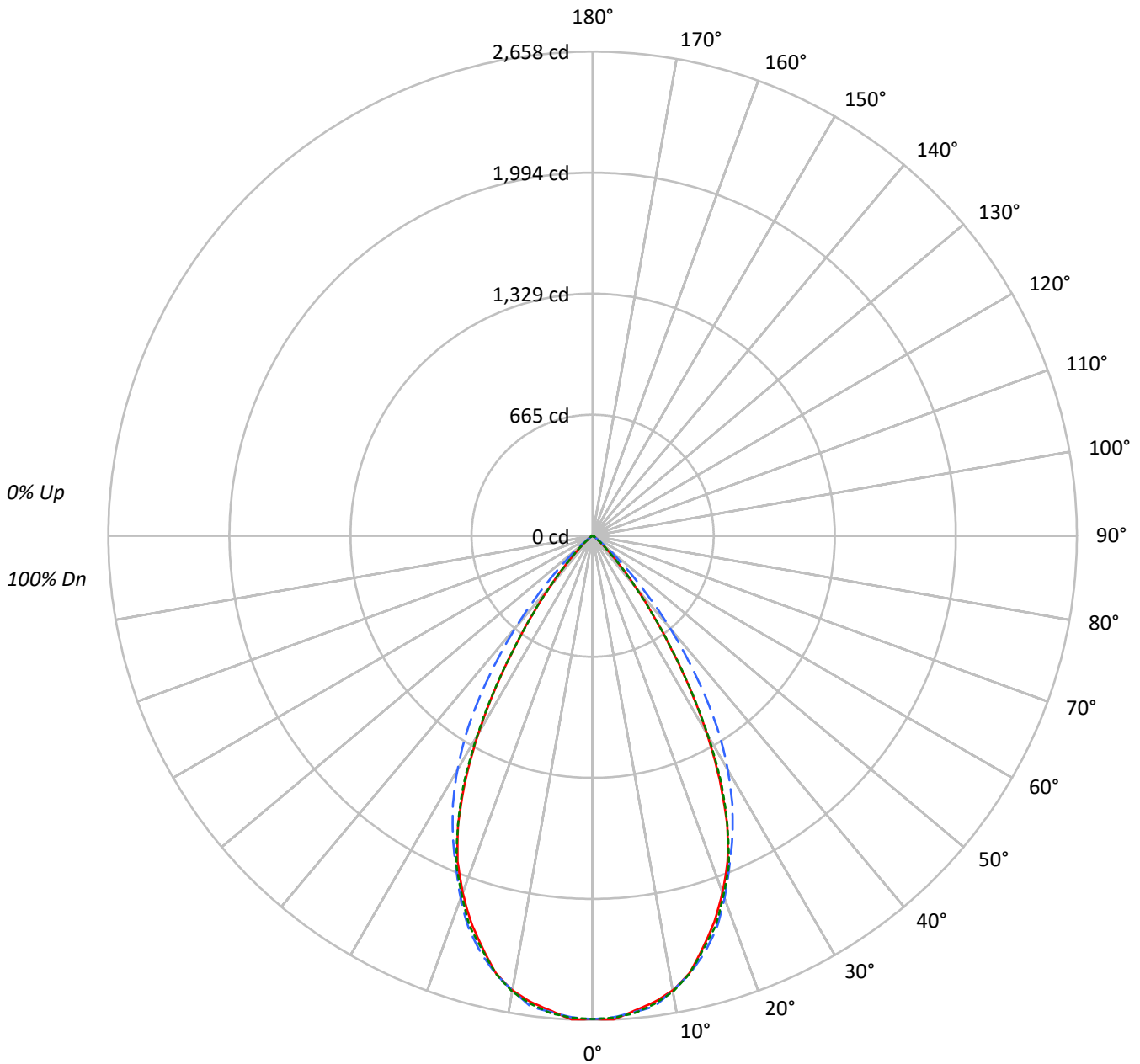
Lumens per Lamp: N/A
Luminaire Lumens: 2492.8 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	114218	114218	114218
5°	113133	113423	113712
10°	110786	110786	111083
15°	104309	105655	104683
20°	95505	97040	96192
25°	82985	86234	83065
30°	62409	73799	62991
35°	38748	56845	38927
40°	20391	37017	20296
45°	8452	18523	8646
50°	3249	6939	3249
55°	1757	2139	1636
60°	1154	999	1154
65°	683	683	683
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°	248.3	10.0
10°-20°	660.6	26.5
20°-30°	810.8	32.5
30°-40°	559.7	22.5
40°-50°	175.0	7.0
50°-60°	27.3	1.1
60°-70°	7.9	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°	1719.7	69.0
0°-40°	2279.5	91.4
0°-60°	2481.8	99.6
0°-90°	2492.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2492.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2653	2653	2653	2653	2653	
5°	2618	2628	2624	2625	2631	247
15°	2340	2374	2370	2367	2348	655
25°	1747	1792	1815	1804	1748	783
35°	737	872	1082	880	741	471
45°	139	190	304	188	142	124
55°	23	25	28	25	22	23
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°	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8
2.5°	2657.7	2621.0	2644.4	2639.3	2652.8	2661.1	2652.8	2667.8	2657.7	2646.1	2649.4
5°	2617.6	2622.7	2621.0	2624.3	2627.7	2627.7	2644.4	2646.1	2649.4	2624.3	2631.0
7.5°	2582.5	2582.5	2591.0	2587.5	2599.2	2596.0	2597.5	2610.9	2612.6	2605.9	2600.9
10°	2534.0	2527.3	2519.1	2519.1	2534.0	2535.7	2549.1	2550.8	2560.7	2534.0	2537.5
12.5°	2458.9	2455.4	2442.2	2448.7	2460.6	2453.8	2475.5	2477.2	2473.9	2462.2	2468.8
15°	2340.1	2353.6	2350.2	2348.5	2375.2	2371.8	2370.3	2375.2	2376.9	2370.3	2365.2
17.5°	2221.6	2233.2	2234.9	2238.2	2243.1	2248.2	2254.9	2273.4	2266.6	2261.5	2278.4
20°	2084.4	2079.4	2092.8	2106.1	2111.1	2111.1	2121.2	2134.5	2124.6	2117.9	2119.5
22.5°	1935.7	1944.0	1937.4	1950.6	1957.4	1965.7	1975.8	1987.5	1979.0	1960.7	1982.5
25°	1746.8	1751.8	1773.5	1771.9	1781.9	1801.9	1816.9	1816.9	1816.9	1815.2	1815.2
27.5°	1509.5	1506.1	1532.8	1551.1	1576.2	1608.0	1628.0	1659.7	1664.9	1659.7	1648.1
30°	1255.3	1251.9	1285.3	1308.8	1354.0	1369.0	1424.2	1454.2	1486.0	1484.4	1476.0
32.5°	991.2	998.0	1024.7	1058.1	1094.9	1141.7	1193.5	1260.3	1288.8	1295.5	1280.4
35°	737.2	747.2	772.3	800.6	845.8	897.6	969.4	1033.0	1081.5	1081.5	1069.8
37.5°	531.6	534.8	558.3	576.7	623.5	670.2	732.2	819.0	849.2	860.8	849.2
40°	362.8	362.8	376.1	396.2	434.6	474.8	531.6	596.7	640.2	658.6	638.5
42.5°	230.7	234.1	244.0	257.4	285.9	320.9	364.5	412.9	444.6	458.0	439.7
45°	138.8	142.0	150.5	160.4	178.8	200.6	230.7	265.8	292.5	304.2	295.8
47.5°	83.6	86.9	90.2	97.0	110.3	125.4	140.3	160.4	177.3	178.8	175.6
50°	48.5	48.5	51.8	56.8	63.5	71.9	80.3	91.9	97.0	103.6	97.0
52.5°	31.7	31.7	31.7	33.4	36.7	40.2	43.5	50.1	53.5	53.5	51.8
55°	23.4	23.4	23.4	23.4	25.1	25.1	25.1	26.8	28.5	28.5	28.5
57.5°	16.7	16.7	16.7	18.4	18.4	18.4	16.7	16.7	16.7	16.7	16.7
60°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	11.6	11.6	11.6
62.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
65°	6.7	6.7	6.7	8.4	8.4	8.4	8.4	6.7	6.7	6.7	6.7
67.5°	5.0	5.0	5.0	6.7	6.7	6.7	6.7	6.7	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°	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8	2652.8
2.5°	2659.4	2651.1	2651.1	2651.1	2647.8	2651.1	2656.0	2647.8
5°	2631.0	2634.4	2619.3	2631.0	2636.0	2627.7	2647.8	2631.0
7.5°	2605.9	2600.9	2577.6	2594.3	2604.2	2607.6	2605.9	2592.6
10°	2555.8	2544.1	2534.0	2534.0	2530.7	2529.0	2547.4	2540.8
12.5°	2465.6	2473.9	2458.9	2467.2	2460.6	2462.2	2463.9	2460.6
15°	2388.7	2380.3	2360.2	2373.5	2365.2	2356.9	2373.5	2348.5
17.5°	2268.2	2266.6	2254.9	2246.6	2249.9	2248.2	2256.6	2244.9
20°	2126.2	2129.5	2122.9	2119.5	2114.5	2102.8	2112.8	2099.4
22.5°	1972.4	1975.8	1982.5	1969.1	1970.7	1954.1	1969.1	1954.1
25°	1816.9	1815.2	1807.0	1800.3	1781.9	1763.4	1760.1	1748.5
27.5°	1646.5	1634.8	1614.7	1593.0	1564.6	1539.5	1537.8	1529.5
30°	1459.2	1434.2	1397.5	1362.2	1318.9	1280.4	1280.4	1267.0
32.5°	1262.1	1205.2	1154.9	1111.6	1054.8	1033.0	1011.3	999.6
35°	1026.3	976.2	915.9	844.2	817.4	763.9	767.2	740.6
37.5°	804.0	742.1	685.3	626.9	580.0	554.9	541.5	528.2
40°	596.7	536.5	474.8	436.3	394.5	372.7	364.5	361.1
42.5°	407.8	357.7	317.6	285.9	264.1	240.7	234.1	230.7
45°	265.8	237.3	200.6	175.6	160.4	147.1	147.1	142.0
47.5°	158.8	140.3	122.1	105.3	95.3	86.9	83.6	81.9
50°	88.5	78.6	68.5	61.8	55.1	50.1	48.5	48.5
52.5°	48.5	43.5	40.2	35.1	31.7	31.7	31.7	30.0
55°	25.1	25.1	25.1	25.1	23.4	23.4	23.4	21.8
57.5°	16.7	16.7	18.4	18.4	18.4	16.7	16.7	16.7
60°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
62.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
65°	6.7	8.4	8.4	8.4	8.4	6.7	6.7	6.7
67.5°	5.0	6.7	6.7	6.7	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)