

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: P844314

Luminaire Tested: **LD6C30DE010B35 EU6C30B35 6LBSQLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844314
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: LD6C30DE010B35 EU6C30B35 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

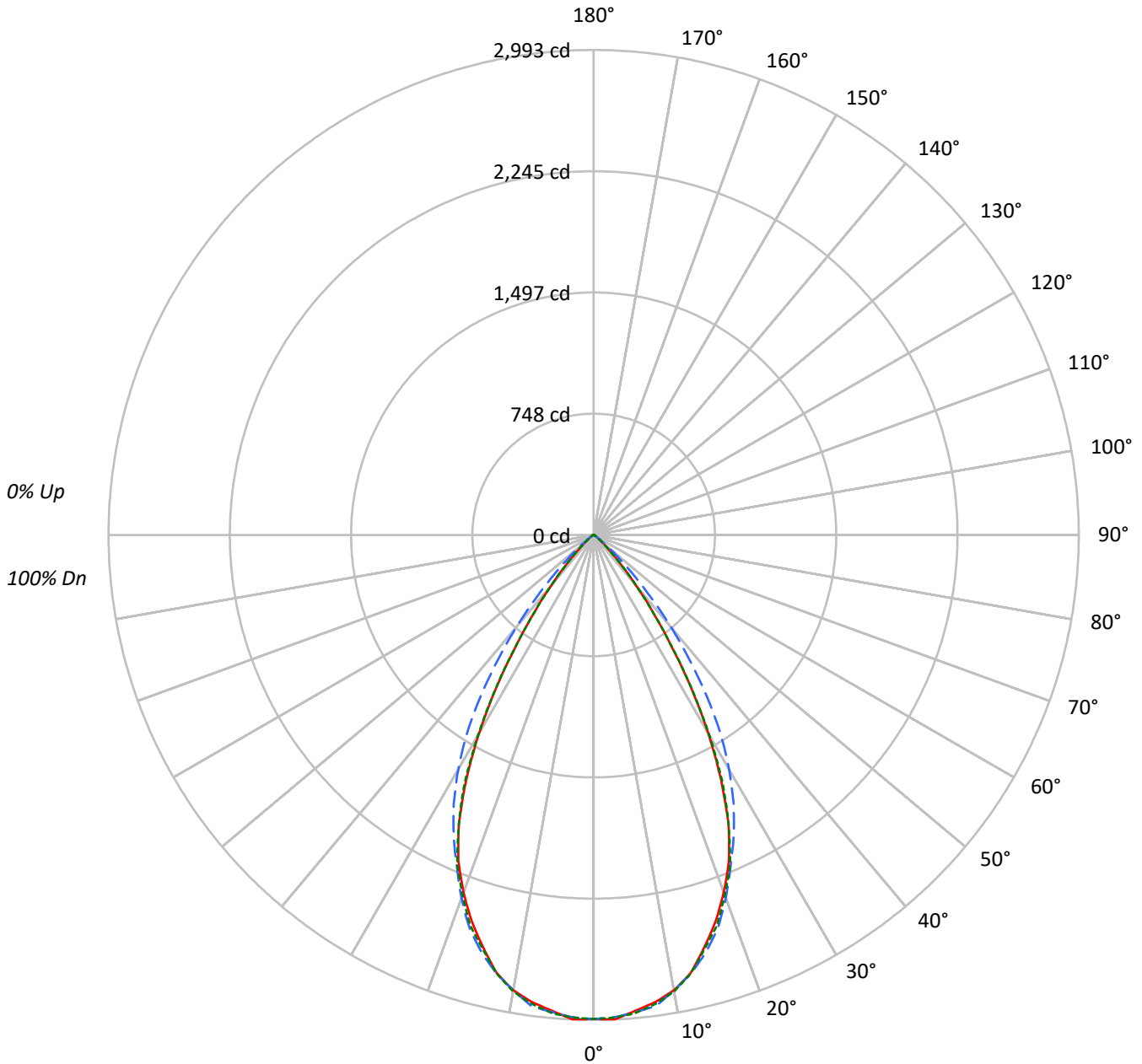
Lumens per Lamp: N/A
Luminaire Lumens: 2806.9 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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									
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°	128607	128607	128607
5°	127391	127715	128040
10°	124746	124746	125078
15°	117454	118965	117873
20°	107537	109269	108316
25°	93441	97104	93531
30°	70274	83096	70930
35°	43626	64009	43826
40°	22960	41682	22853
45°	9511	20855	9736
50°	3657	7817	3657
55°	1974	2395	1839
60°	1300	1128	1300
65°	764	764	764
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°	279.6	10.0
10°-20°	743.9	26.5
20°-30°	912.9	32.5
30°-40°	630.2	22.5
40°-50°	197.0	7.0
50°-60°	30.8	1.1
60°-70°	8.9	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°	1936.5	69.0
0°-40°	2566.7	91.4
0°-60°	2794.5	99.6
0°-90°	2806.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2806.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2987	2987	2987	2987	2987	
5°	2948	2959	2955	2956	2962	279
15°	2635	2673	2669	2665	2644	737
25°	1967	2018	2044	2031	1969	881
35°	830	982	1218	991	834	530
45°	156	214	342	212	160	140
55°	26	28	32	28	24	26
65°	8	9	8	9	8	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°	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0
2.5°	2992.7	2951.3	2977.7	2972.0	2987.0	2996.4	2987.0	3003.9	2992.7	2979.6	2983.3
5°	2947.5	2953.1	2951.3	2955.0	2958.7	2958.7	2977.7	2979.6	2983.3	2955.0	2962.5
7.5°	2908.0	2908.0	2917.4	2913.6	2926.8	2923.1	2924.9	2939.9	2941.8	2934.3	2928.7
10°	2853.3	2845.8	2836.5	2836.5	2853.3	2855.2	2870.3	2872.2	2883.4	2853.3	2857.2
12.5°	2768.7	2764.9	2749.8	2757.4	2770.6	2763.0	2787.5	2789.3	2785.6	2772.5	2780.0
15°	2635.0	2650.1	2646.3	2644.4	2674.5	2670.7	2668.9	2674.5	2676.3	2668.9	2663.2
17.5°	2501.4	2514.5	2516.4	2520.2	2525.8	2531.6	2539.1	2559.8	2552.2	2546.6	2565.4
20°	2347.0	2341.4	2356.5	2371.5	2377.1	2377.1	2388.5	2403.5	2392.3	2384.8	2386.7
22.5°	2179.6	2189.0	2181.5	2196.5	2204.1	2213.4	2224.7	2238.0	2228.4	2207.8	2232.3
25°	1966.9	1972.5	1997.0	1995.1	2006.3	2029.0	2045.9	2045.9	2045.9	2044.0	2044.0
27.5°	1699.6	1695.9	1726.0	1746.6	1774.8	1810.7	1833.2	1868.9	1874.7	1868.9	1855.8
30°	1413.5	1409.7	1447.4	1473.7	1524.6	1541.5	1603.7	1637.5	1673.3	1671.4	1662.0
32.5°	1116.1	1123.7	1153.8	1191.4	1232.8	1285.6	1343.8	1419.1	1451.2	1458.7	1441.8
35°	830.0	841.3	869.6	901.5	952.4	1010.8	1091.6	1163.2	1217.8	1217.8	1204.5
37.5°	598.5	602.3	628.7	649.4	702.0	754.7	824.4	922.3	956.1	969.3	956.1
40°	408.5	408.5	423.5	446.1	489.4	534.5	598.5	671.9	720.9	741.6	719.0
42.5°	259.8	263.6	274.8	289.9	321.8	361.4	410.4	464.9	500.7	515.7	495.1
45°	156.2	159.9	169.4	180.6	201.4	225.9	259.8	299.3	329.3	342.5	333.2
47.5°	94.1	97.8	101.6	109.3	124.2	141.2	158.1	180.6	199.6	201.4	197.7
50°	54.6	54.6	58.4	64.0	71.5	81.0	90.3	103.4	109.3	116.7	109.3
52.5°	35.7	35.7	35.7	37.7	41.4	45.3	49.0	56.5	60.2	60.2	58.4
55°	26.3	26.3	26.3	26.3	28.2	28.2	28.2	30.1	31.9	31.9	31.9
57.5°	18.8	18.8	18.8	20.7	20.7	20.7	18.8	18.8	18.8	18.8	18.8
60°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	13.1	13.1	13.1
62.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
65°	7.5	7.5	7.5	9.4	9.4	9.4	9.4	7.5	7.5	7.5	7.5
67.5°	5.6	5.6	5.6	7.5	7.5	7.5	7.5	7.5	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°	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0	2987.0
2.5°	2994.5	2985.2	2985.2	2985.2	2981.4	2985.2	2990.8	2981.4
5°	2962.5	2966.2	2949.4	2962.5	2968.1	2958.7	2981.4	2962.5
7.5°	2934.3	2928.7	2902.3	2921.2	2932.4	2936.2	2934.3	2919.3
10°	2877.8	2864.7	2853.3	2853.3	2849.6	2847.7	2868.4	2860.9
12.5°	2776.2	2785.6	2768.7	2778.1	2770.6	2772.5	2774.4	2770.6
15°	2689.7	2680.3	2657.6	2672.6	2663.2	2653.9	2672.6	2644.4
17.5°	2554.1	2552.2	2539.1	2529.6	2533.5	2531.6	2541.0	2527.9
20°	2394.2	2397.9	2390.4	2386.7	2380.9	2367.7	2379.1	2364.0
22.5°	2220.9	2224.7	2232.3	2217.2	2219.0	2200.3	2217.2	2200.3
25°	2045.9	2044.0	2034.7	2027.2	2006.3	1985.6	1981.9	1968.8
27.5°	1853.9	1840.8	1818.2	1793.7	1761.7	1733.5	1731.6	1722.3
30°	1643.1	1614.9	1573.5	1533.9	1485.0	1441.8	1441.8	1426.7
32.5°	1421.1	1357.0	1300.6	1251.7	1187.7	1163.2	1138.8	1125.5
35°	1155.7	1099.2	1031.4	950.5	920.5	860.2	864.0	833.8
37.5°	905.3	835.7	771.8	705.9	653.1	624.8	609.7	594.8
40°	671.9	604.1	534.5	491.2	444.2	419.7	410.4	406.6
42.5°	459.2	402.7	357.6	321.8	297.4	271.1	263.6	259.8
45°	299.3	267.3	225.9	197.7	180.6	165.7	165.7	159.9
47.5°	178.8	158.1	137.5	118.6	107.3	97.8	94.1	92.2
50°	99.7	88.4	77.2	69.6	62.1	56.5	54.6	54.6
52.5°	54.6	49.0	45.3	39.4	35.7	35.7	35.7	33.8
55°	28.2	28.2	28.2	28.2	26.3	26.3	26.3	24.5
57.5°	18.8	18.8	20.7	20.7	20.7	18.8	18.8	18.8
60°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
62.5°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
65°	7.5	9.4	9.4	9.4	9.4	7.5	7.5	7.5
67.5°	5.6	7.5	7.5	7.5	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)