

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: P844433

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBSQLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844433  
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: LD6C35DE010B50 EU6C35B50 6LBSQLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

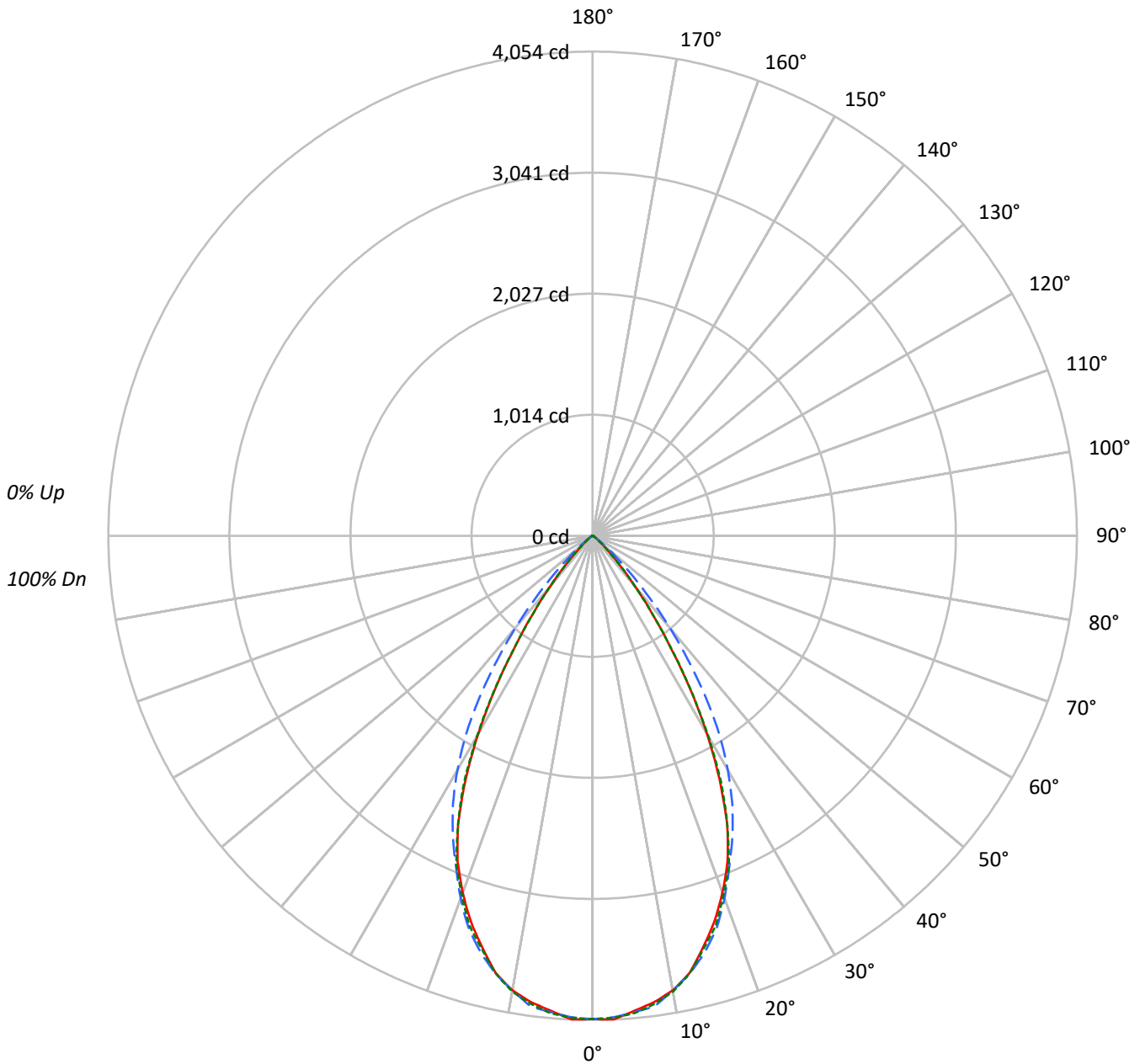
Lumens per Lamp: N/A  
Luminaire Lumens: 3802.2 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 41.7  
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°	174208	174208	174208
5°	172561	172997	173438
10°	168977	168977	169428
15°	159100	161146	159666
20°	145663	148004	146721
25°	126572	131532	126691
30°	95187	112558	96082
35°	59100	86705	59363
40°	31093	56458	30952
45°	12878	28253	13189
50°	4950	10590	4950
55°	2680	3258	2492
60°	1765	1533	1765
65°	1039	1039	1039
70°	642	957	642
75°	416	416	416
80°	620	620	620
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	378.8	10.0
10°-20°	1007.6	26.5
20°-30°	1236.6	32.5
30°-40°	853.7	22.5
40°-50°	266.9	7.0
50°-60°	41.7	1.1
60°-70°	12.0	0.3
70°-80°	3.9	0.1
80°-90°	0.9	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°	2623.0	69.0
0°-40°	3476.7	91.4
0°-60°	3785.4	99.6
0°-90°	3802.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3802.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4046	4046	4046	4046	4046	
5°	3993	4008	4003	4004	4013	377
15°	3569	3620	3615	3610	3582	998
25°	2664	2733	2769	2751	2667	1194
35°	1124	1330	1650	1342	1129	718
45°	212	289	464	287	217	189
55°	36	38	43	38	33	35
65°	10	13	10	13	10	11
75°	2	2	2	2	2	4
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°	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1
2.5°	4053.7	3997.6	4033.4	4025.7	4046.1	4058.8	4046.1	4068.9	4053.7	4035.9	4041.0
5°	3992.6	4000.2	3997.6	4002.7	4007.8	4007.8	4033.4	4035.9	4041.0	4002.7	4012.9
7.5°	3938.9	3938.9	3951.8	3946.6	3964.5	3959.5	3962.0	3982.3	3984.8	3974.7	3967.1
10°	3865.0	3854.9	3842.2	3842.2	3865.0	3867.6	3888.0	3890.5	3905.7	3865.0	3870.2
12.5°	3750.4	3745.2	3724.9	3735.0	3752.9	3742.6	3775.8	3778.3	3773.2	3755.4	3765.6
15°	3569.3	3589.8	3584.5	3582.0	3622.8	3617.7	3615.2	3622.8	3625.4	3615.2	3607.6
17.5°	3388.3	3406.1	3408.6	3413.7	3421.3	3429.2	3439.3	3467.5	3457.1	3449.5	3475.1
20°	3179.1	3171.5	3192.0	3212.4	3220.0	3220.0	3235.3	3255.7	3240.5	3230.2	3232.8
22.5°	2952.4	2965.1	2954.9	2975.2	2985.5	2998.2	3013.4	3031.4	3018.6	2990.6	3023.8
25°	2664.3	2671.9	2705.1	2702.6	2717.8	2748.4	2771.2	2771.2	2771.2	2768.7	2768.7
27.5°	2302.3	2297.2	2337.9	2365.9	2404.1	2452.7	2483.2	2531.6	2539.4	2531.6	2513.8
30°	1914.6	1909.6	1960.5	1996.2	2065.1	2088.1	2172.3	2218.1	2266.5	2264.0	2251.3
32.5°	1511.8	1522.1	1562.9	1613.8	1669.9	1741.3	1820.4	1922.2	1965.7	1975.9	1952.9
35°	1124.4	1139.6	1177.9	1221.1	1290.1	1369.1	1478.7	1575.7	1649.6	1649.6	1631.6
37.5°	810.8	815.9	851.5	879.6	950.9	1022.3	1116.8	1249.3	1295.2	1312.9	1295.2
40°	553.2	553.2	573.7	604.2	662.8	724.1	810.8	910.1	976.4	1004.5	973.9
42.5°	351.9	357.0	372.2	392.7	436.0	489.5	555.8	629.8	678.3	698.6	670.6
45°	211.5	216.6	229.5	244.7	272.9	306.0	351.9	405.4	446.1	464.0	451.3
47.5°	127.4	132.5	137.6	148.0	168.3	191.2	214.1	244.7	270.3	272.9	267.8
50°	73.9	73.9	79.0	86.6	96.8	109.7	122.4	140.1	148.0	158.1	148.0
52.5°	48.4	48.4	48.4	51.0	56.1	61.2	66.3	76.5	81.5	81.5	79.0
55°	35.7	35.7	35.7	35.7	38.3	38.3	38.3	40.8	43.4	43.4	43.4
57.5°	25.6	25.6	25.6	28.1	28.1	28.1	25.6	25.6	25.6	25.6	25.6
60°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	17.8	17.8	17.8
62.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
65°	10.2	10.2	10.2	12.7	12.7	12.7	12.7	10.2	10.2	10.2	10.2
67.5°	7.6	7.6	7.6	10.2	10.2	10.2	10.2	10.2	7.6	7.6	7.6
70°	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
72.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1	4046.1
2.5°	4056.2	4043.5	4043.5	4043.5	4038.5	4043.5	4051.2	4038.5
5°	4012.9	4018.0	3995.1	4012.9	4020.5	4007.8	4038.5	4012.9
7.5°	3974.7	3967.1	3931.3	3956.9	3972.2	3977.2	3974.7	3954.4
10°	3898.1	3880.4	3865.0	3865.0	3859.9	3857.4	3885.4	3875.3
12.5°	3760.5	3773.2	3750.4	3763.1	3752.9	3755.4	3758.0	3752.9
15°	3643.2	3630.5	3600.0	3620.3	3607.6	3594.9	3620.3	3582.0
17.5°	3459.6	3457.1	3439.3	3426.6	3431.7	3429.2	3441.9	3424.1
20°	3243.0	3248.1	3237.8	3232.8	3225.1	3207.3	3222.6	3202.2
22.5°	3008.3	3013.4	3023.8	3003.3	3005.8	2980.4	3003.3	2980.4
25°	2771.2	2768.7	2756.0	2745.8	2717.8	2689.7	2684.6	2666.8
27.5°	2511.2	2493.5	2462.9	2429.7	2386.3	2348.2	2345.5	2332.8
30°	2225.7	2187.5	2131.4	2077.8	2011.6	1952.9	1952.9	1932.6
32.5°	1925.0	1838.2	1761.6	1695.5	1608.8	1575.7	1542.5	1524.7
35°	1565.5	1488.9	1397.0	1287.6	1246.7	1165.2	1170.3	1129.4
37.5°	1226.2	1132.0	1045.4	956.1	884.7	846.4	826.0	805.7
40°	910.1	818.4	724.1	665.4	601.7	568.6	555.8	550.7
42.5°	622.0	545.5	484.4	436.0	402.9	367.1	357.0	351.9
45°	405.4	362.0	306.0	267.8	244.7	224.4	224.4	216.6
47.5°	242.2	214.1	186.1	160.7	145.4	132.5	127.4	124.9
50°	135.1	119.8	104.6	94.2	84.1	76.5	73.9	73.9
52.5°	73.9	66.3	61.2	53.5	48.4	48.4	48.4	45.9
55°	38.3	38.3	38.3	38.3	35.7	35.7	35.7	33.2
57.5°	25.6	25.6	28.1	28.1	28.1	25.6	25.6	25.6
60°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
62.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
65°	10.2	12.7	12.7	12.7	12.7	10.2	10.2	10.2
67.5°	7.6	10.2	10.2	10.2	7.6	7.6	7.6	7.6
70°	7.6	7.6	7.6	7.6	7.6	5.1	5.1	5.1
72.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
75°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	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)