

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: P844399

Luminaire Tested: **LD6C35DE010B2750 EU6C35B35 6LBSQLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844399  
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: LD6C35DE010B2750 EU6C35B35 6LBSQLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

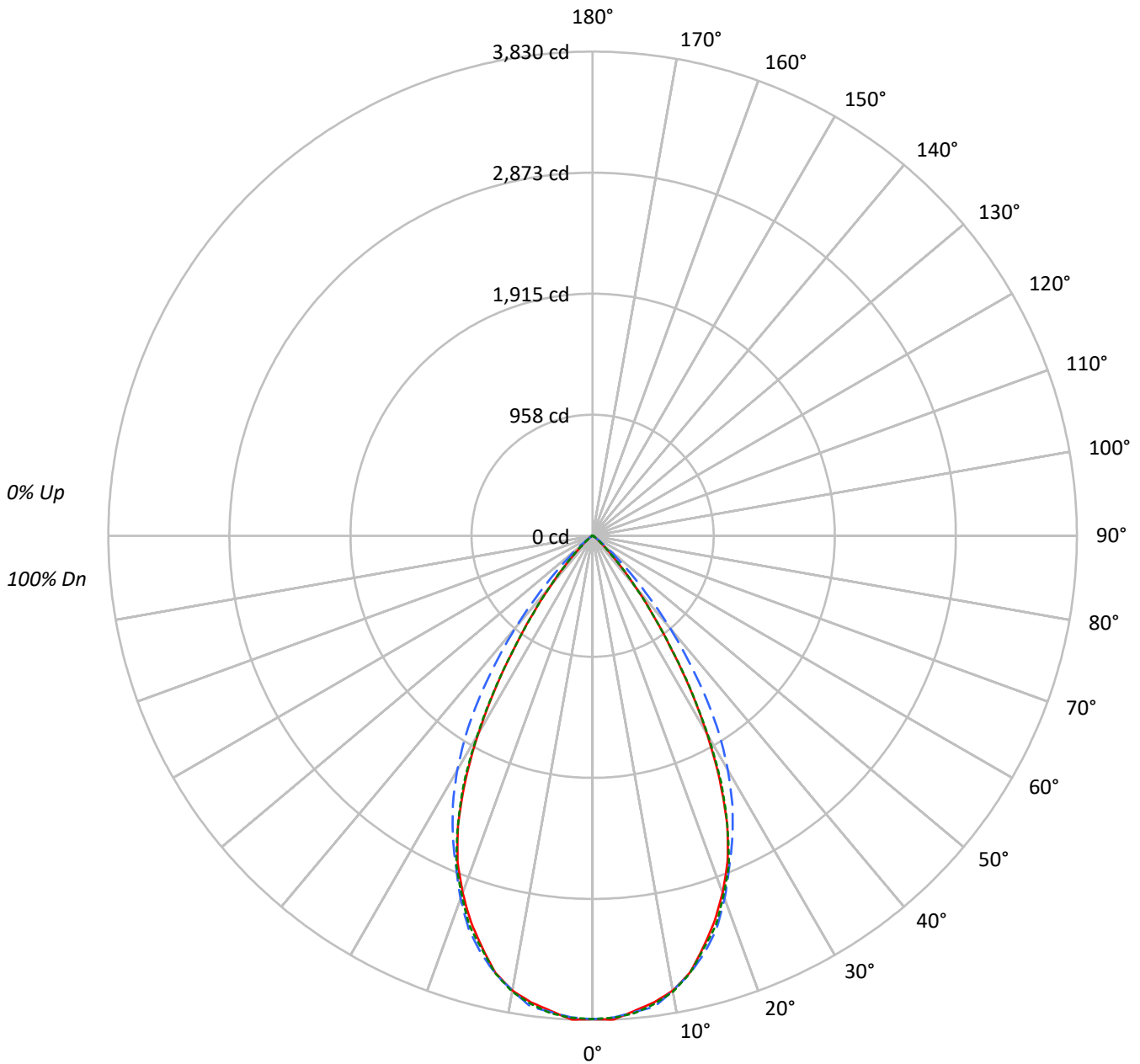
Lumens per Lamp: N/A  
Luminaire Lumens: 3592.8 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

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°	164610	164610	164610
5°	163057	163471	163886
10°	159669	159669	160093
15°	150336	152271	150871
20°	137644	139853	138639
25°	119598	124292	119712
30°	89947	106358	90787
35°	55846	81927	56099
40°	29384	53350	29255
45°	12172	26694	12470
50°	4682	10001	4682
55°	2530	3070	2350
60°	1671	1447	1671
65°	978	978	978
70°	604	906	604
75°	399	399	399
80°	595	595	595
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	357.9	10.0
10°-20°	952.1	26.5
20°-30°	1168.5	32.5
30°-40°	806.7	22.5
40°-50°	252.2	7.0
50°-60°	39.4	1.1
60°-70°	11.4	0.3
70°-80°	3.7	0.1
80°-90°	0.8	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°	2478.6	69.0
0°-40°	3285.2	91.4
0°-60°	3576.9	99.6
0°-90°	3592.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3592.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3823	3823	3823	3823	3823	
5°	3773	3787	3782	3784	3792	357
15°	3373	3421	3416	3411	3385	943
25°	2518	2582	2616	2599	2520	1128
35°	1062	1256	1559	1268	1067	679
45°	200	274	438	271	205	179
55°	34	36	41	36	31	33
65°	10	12	10	12	10	11
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°	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2
2.5°	3830.4	3777.6	3811.3	3803.9	3823.2	3835.3	3823.2	3844.8	3830.4	3813.6	3818.5
5°	3772.7	3779.9	3777.6	3782.3	3787.1	3787.1	3811.3	3813.6	3818.5	3782.3	3791.9
7.5°	3722.0	3722.0	3734.2	3729.2	3746.1	3741.4	3743.8	3763.0	3765.4	3755.8	3748.6
10°	3652.1	3642.5	3630.5	3630.5	3652.1	3654.5	3673.9	3676.2	3690.7	3652.1	3657.1
12.5°	3543.8	3538.8	3519.7	3529.3	3546.2	3536.5	3567.8	3570.3	3565.4	3548.7	3558.2
15°	3372.7	3392.0	3387.1	3384.7	3423.2	3418.5	3416.1	3423.2	3425.7	3416.1	3408.9
17.5°	3201.8	3218.5	3220.9	3225.8	3233.0	3240.3	3249.9	3276.4	3266.7	3259.5	3283.6
20°	3004.1	2996.9	3016.3	3035.4	3042.6	3042.6	3057.2	3076.3	3062.0	3052.3	3054.8
22.5°	2789.7	2801.8	2792.2	2811.3	2821.1	2833.1	2847.5	2864.4	2852.3	2825.9	2857.2
25°	2517.5	2524.8	2556.1	2553.7	2568.0	2597.0	2618.6	2618.6	2618.6	2616.3	2616.3
27.5°	2175.4	2170.7	2209.2	2235.6	2271.7	2317.6	2346.4	2392.2	2399.5	2392.2	2375.3
30°	1809.2	1804.4	1852.6	1886.3	1951.3	1973.1	2052.7	2095.9	2141.7	2139.3	2127.3
32.5°	1428.5	1438.3	1476.9	1525.0	1577.9	1645.4	1720.1	1816.4	1857.5	1867.0	1845.4
35°	1062.5	1076.9	1112.9	1154.0	1219.0	1293.7	1397.2	1488.8	1558.7	1558.7	1541.8
37.5°	766.0	770.9	804.6	831.2	898.6	966.0	1055.2	1180.5	1223.8	1240.6	1223.8
40°	522.8	522.8	542.0	571.0	626.3	684.2	766.0	860.0	922.7	949.2	920.2
42.5°	332.5	337.3	351.7	371.0	411.9	462.5	525.2	595.1	640.8	660.1	633.6
45°	199.9	204.8	216.9	231.3	257.9	289.2	332.5	383.1	421.6	438.4	426.4
47.5°	120.5	125.2	130.0	139.8	159.0	180.7	202.3	231.3	255.4	257.9	253.0
50°	69.9	69.9	74.7	81.9	91.5	103.6	115.6	132.4	139.8	149.3	139.8
52.5°	45.8	45.8	45.8	48.1	53.0	57.9	62.7	72.3	77.1	77.1	74.7
55°	33.7	33.7	33.7	33.7	36.2	36.2	36.2	38.5	40.9	40.9	40.9
57.5°	24.1	24.1	24.1	26.5	26.5	26.5	24.1	24.1	24.1	24.1	24.1
60°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	16.8	16.8	16.8
62.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
65°	9.6	9.6	9.6	12.0	12.0	12.0	12.0	9.6	9.6	9.6	9.6
67.5°	7.2	7.2	7.2	9.6	9.6	9.6	9.6	9.6	7.2	7.2	7.2
70°	4.8	4.8	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2	3823.2
2.5°	3832.9	3820.8	3820.8	3820.8	3816.0	3820.8	3828.0	3816.0
5°	3791.9	3796.7	3775.1	3791.9	3799.1	3787.1	3816.0	3791.9
7.5°	3755.8	3748.6	3714.8	3738.9	3753.3	3758.2	3755.8	3736.5
10°	3683.4	3666.7	3652.1	3652.1	3647.4	3644.9	3671.5	3661.8
12.5°	3553.4	3565.4	3543.8	3555.9	3546.2	3548.7	3551.0	3546.2
15°	3442.6	3430.6	3401.7	3420.8	3408.9	3396.9	3420.8	3384.7
17.5°	3269.0	3266.7	3249.9	3237.8	3242.7	3240.3	3252.3	3235.5
20°	3064.4	3069.1	3059.5	3054.8	3047.6	3030.6	3045.1	3025.8
22.5°	2842.7	2847.5	2857.2	2837.8	2840.3	2816.3	2837.8	2816.3
25°	2618.6	2616.3	2604.2	2594.6	2568.0	2541.5	2536.7	2519.9
27.5°	2372.9	2356.2	2327.2	2295.9	2254.9	2218.8	2216.4	2204.4
30°	2103.1	2067.0	2014.1	1963.4	1900.8	1845.4	1845.4	1826.1
32.5°	1818.9	1737.0	1664.6	1602.1	1520.1	1488.8	1457.5	1440.7
35°	1479.2	1407.0	1320.1	1216.6	1178.1	1101.0	1105.8	1067.3
37.5°	1158.7	1069.7	987.7	903.4	836.0	799.8	780.5	761.3
40°	860.0	773.2	684.2	628.7	568.6	537.2	525.2	520.5
42.5°	587.7	515.5	457.7	411.9	380.6	346.9	337.3	332.5
45°	383.1	342.1	289.2	253.0	231.3	212.1	212.1	204.8
47.5°	228.9	202.3	175.9	151.8	137.4	125.2	120.5	118.0
50°	127.7	113.3	98.8	89.1	79.5	72.3	69.9	69.9
52.5°	69.9	62.7	57.9	50.6	45.8	45.8	45.8	43.4
55°	36.2	36.2	36.2	36.2	33.7	33.7	33.7	31.3
57.5°	24.1	24.1	26.5	26.5	26.5	24.1	24.1	24.1
60°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
62.5°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
65°	9.6	12.0	12.0	12.0	12.0	9.6	9.6	9.6
67.5°	7.2	9.6	9.6	9.6	7.2	7.2	7.2	7.2
70°	7.2	7.2	7.2	7.2	7.2	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	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)