

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: P844365

Luminaire Tested: **LD6C35DE010B2750 EU6C35B27 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844365
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 EU6C35B27 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

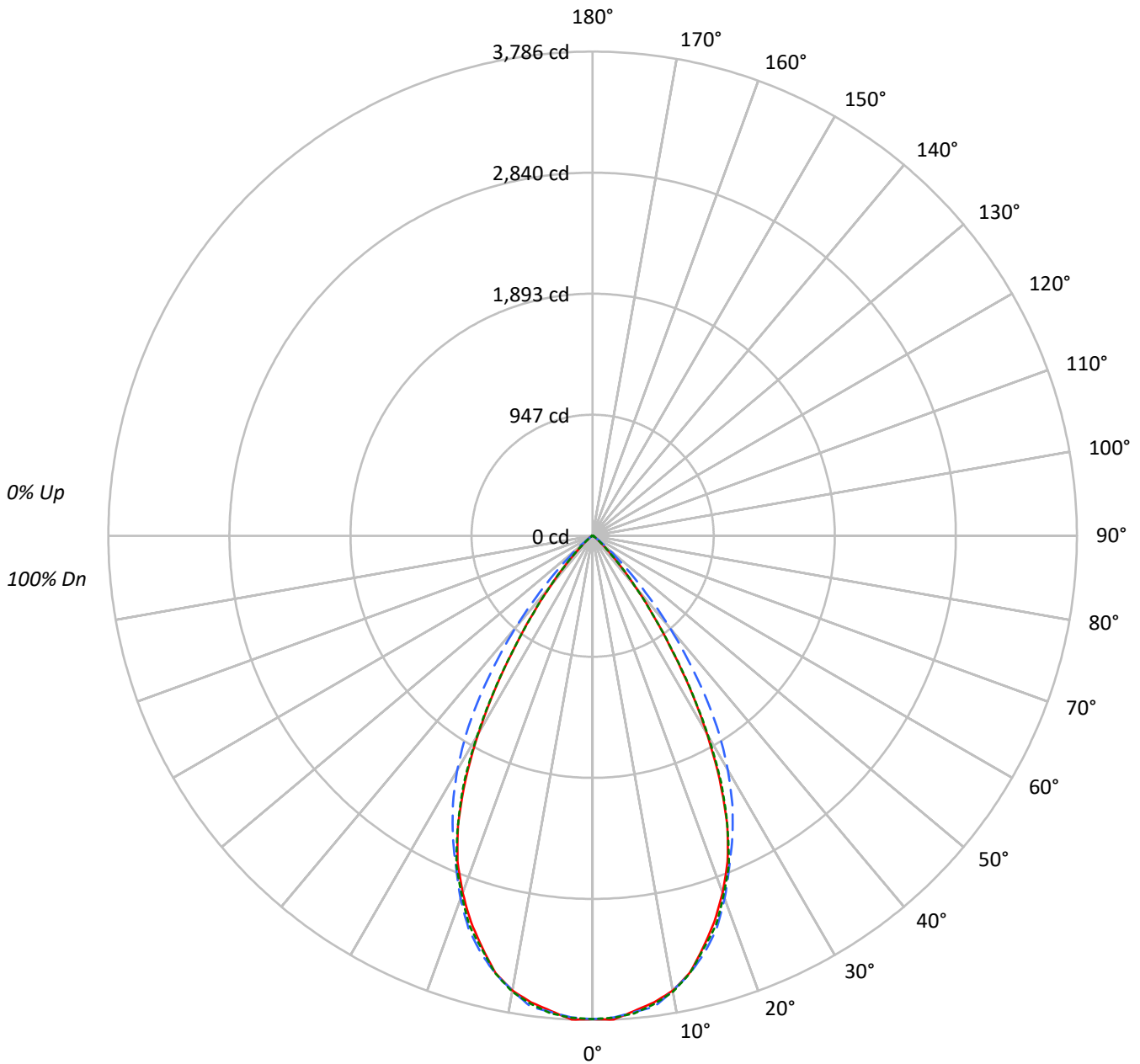
Lumens per Lamp: N/A
Luminaire Lumens: 3551.5 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	82	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°	162720	162720	162720
5°	161185	161591	162006
10°	157837	157837	158262
15°	148611	150519	149137
20°	136064	138249	137049
25°	118225	122862	118339
30°	88918	105135	89748
35°	55200	80992	55452
40°	29052	52737	28912
45°	12038	26384	12318
50°	4629	9887	4629
55°	2500	3040	2327
60°	1645	1429	1645
65°	968	968	968
70°	604	894	604
75°	383	383	383
80°	570	570	570
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.8	10.0
10°-20°	941.2	26.5
20°-30°	1155.1	32.5
30°-40°	797.4	22.5
40°-50°	249.3	7.0
50°-60°	39.0	1.1
60°-70°	11.2	0.3
70°-80°	3.6	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°	2450.1	69.0
0°-40°	3247.5	91.4
0°-60°	3535.8	99.6
0°-90°	3551.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3551.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3779	3779	3779	3779	3779	
5°	3729	3744	3739	3740	3748	353
15°	3334	3382	3377	3372	3346	933
25°	2489	2553	2586	2570	2491	1115
35°	1050	1242	1541	1254	1055	671
45°	198	270	433	268	202	177
55°	33	36	40	36	31	32
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°	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3
2.5°	3786.4	3734.2	3767.5	3760.2	3779.3	3791.2	3779.3	3800.7	3786.4	3769.8	3774.6
5°	3729.4	3736.5	3734.2	3738.8	3743.6	3743.6	3767.5	3769.8	3774.6	3738.8	3748.4
7.5°	3679.3	3679.3	3691.2	3686.4	3703.2	3698.4	3700.8	3719.8	3722.1	3712.6	3705.5
10°	3610.2	3600.7	3588.9	3588.9	3610.2	3612.6	3631.7	3634.0	3648.3	3610.2	3615.1
12.5°	3503.2	3498.2	3479.3	3488.8	3505.5	3495.9	3526.9	3529.2	3524.5	3507.9	3517.4
15°	3334.0	3353.1	3348.3	3345.8	3384.0	3379.2	3376.8	3384.0	3386.3	3376.8	3369.7
17.5°	3165.0	3181.6	3184.0	3188.7	3195.9	3203.0	3212.6	3238.8	3229.2	3222.1	3245.9
20°	2969.6	2962.4	2981.6	3000.6	3007.7	3007.7	3022.1	3041.0	3026.8	3017.3	3019.6
22.5°	2757.7	2769.6	2760.1	2779.0	2788.7	2800.6	2814.8	2831.6	2819.5	2793.4	2824.4
25°	2488.6	2495.7	2526.7	2524.4	2538.6	2567.2	2588.6	2588.6	2588.6	2586.2	2586.2
27.5°	2150.5	2145.7	2183.8	2209.9	2245.7	2291.0	2319.5	2364.7	2372.0	2364.7	2348.1
30°	1788.5	1783.7	1831.3	1864.6	1929.0	1950.5	2029.1	2071.9	2117.1	2114.7	2102.9
32.5°	1412.2	1421.8	1459.9	1507.4	1559.8	1626.5	1700.4	1795.5	1836.2	1845.7	1824.1
35°	1050.2	1064.5	1100.3	1140.7	1205.1	1278.9	1381.2	1471.7	1540.9	1540.9	1524.1
37.5°	757.3	762.0	795.4	821.7	888.2	954.9	1043.1	1166.9	1209.7	1226.3	1209.7
40°	516.9	516.9	535.8	564.5	619.1	676.4	757.3	850.1	912.1	938.3	909.7
42.5°	328.7	333.5	347.6	366.8	407.3	457.2	519.2	588.3	633.5	652.5	626.4
45°	197.7	202.3	214.4	228.7	254.9	285.9	328.7	378.6	416.7	433.3	421.5
47.5°	119.1	123.7	128.5	138.1	157.2	178.6	200.0	228.7	252.5	254.9	250.1
50°	69.1	69.1	73.8	80.9	90.4	102.5	114.3	130.9	138.1	147.6	138.1
52.5°	45.3	45.3	45.3	47.6	52.4	57.2	62.0	71.5	76.3	76.3	73.8
55°	33.3	33.3	33.3	33.3	35.7	35.7	35.7	38.1	40.5	40.5	40.5
57.5°	23.9	23.9	23.9	26.2	26.2	26.2	23.9	23.9	23.9	23.9	23.9
60°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	16.6	16.6	16.6
62.5°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
65°	9.5	9.5	9.5	11.8	11.8	11.8	11.8	9.5	9.5	9.5	9.5
67.5°	7.1	7.1	7.1	9.5	9.5	9.5	9.5	9.5	7.1	7.1	7.1
70°	4.8	4.8	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3	3779.3
2.5°	3788.9	3777.0	3777.0	3777.0	3772.3	3777.0	3784.1	3772.3
5°	3748.4	3753.1	3731.8	3748.4	3755.4	3743.6	3772.3	3748.4
7.5°	3712.6	3705.5	3672.2	3696.0	3710.3	3715.0	3712.6	3693.7
10°	3641.2	3624.6	3610.2	3610.2	3605.5	3603.0	3629.3	3619.9
12.5°	3512.6	3524.5	3503.2	3515.0	3505.5	3507.9	3510.3	3505.5
15°	3403.0	3391.2	3362.6	3381.6	3369.7	3357.9	3381.6	3345.8
17.5°	3231.6	3229.2	3212.6	3200.7	3205.5	3203.0	3215.0	3198.4
20°	3029.2	3033.9	3024.4	3019.6	3012.6	2995.9	3010.2	2991.1
22.5°	2810.0	2814.8	2824.4	2805.3	2807.7	2784.0	2805.3	2784.0
25°	2588.6	2586.2	2574.3	2564.9	2538.6	2512.3	2507.6	2491.0
27.5°	2345.7	2329.1	2300.5	2269.5	2229.1	2193.3	2190.9	2179.0
30°	2079.0	2043.2	1990.9	1940.9	1879.0	1824.1	1824.1	1805.2
32.5°	1798.1	1717.0	1645.5	1583.7	1502.7	1471.7	1440.7	1424.1
35°	1462.3	1390.8	1304.9	1202.6	1164.6	1088.3	1093.1	1055.0
37.5°	1145.4	1057.3	976.4	893.1	826.3	790.7	771.5	752.5
40°	850.1	764.5	676.4	621.5	562.0	531.0	519.2	514.4
42.5°	581.1	509.6	452.5	407.3	376.3	342.9	333.5	328.7
45°	378.6	338.1	285.9	250.1	228.7	209.6	209.6	202.3
47.5°	226.2	200.0	173.9	150.1	135.8	123.7	119.1	116.7
50°	126.2	111.9	97.7	88.1	78.6	71.5	69.1	69.1
52.5°	69.1	62.0	57.2	49.9	45.3	45.3	45.3	42.8
55°	35.7	35.7	35.7	35.7	33.3	33.3	33.3	31.0
57.5°	23.9	23.9	26.2	26.2	26.2	23.9	23.9	23.9
60°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
62.5°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
65°	9.5	11.8	11.8	11.8	11.8	9.5	9.5	9.5
67.5°	7.1	9.5	9.5	9.5	7.1	7.1	7.1	7.1
70°	7.1	7.1	7.1	7.1	7.1	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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	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)