

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: FAIL-SAFE

Report Number: P708865

Luminaire Tested: **22APR-26-62L840-UNV**

Issue Date: 09/12/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P708865  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/12/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: 22APR-26-62L840-UNV  
Description: ArcMed Patient Recessed 2x2 Fixture Ambient and Exam Light  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

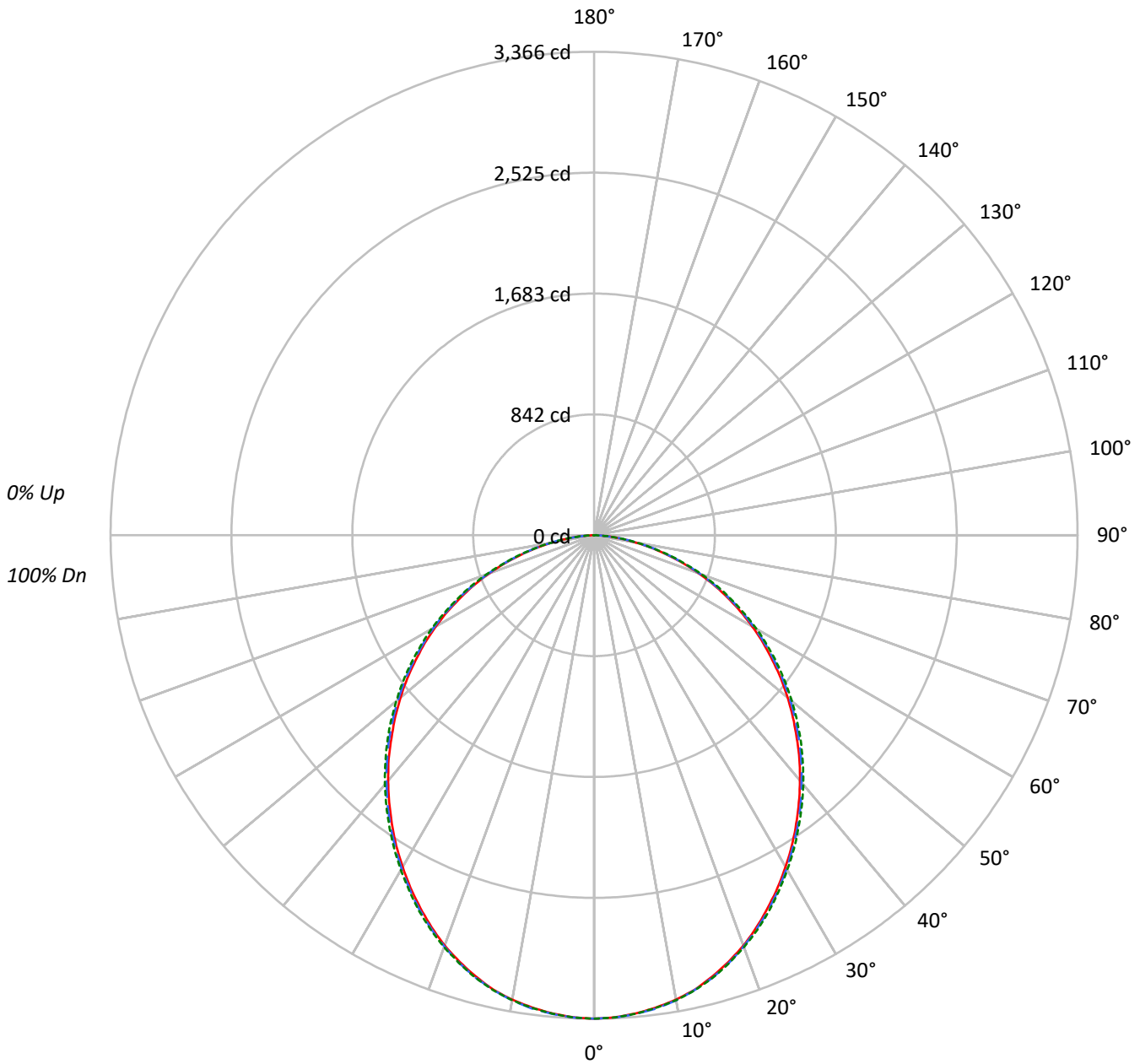
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8753.6 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.19 / 1.31  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 77  
Input Voltage (V): 120  
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

TEST NUMBER: P708865  
CATALOG NUMBER: 22APR-26-62L840-UNV

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ···· 90°-270°



TEST NUMBER: P708865  
 CATALOG NUMBER: 22APR-26-62L840-UNV

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				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	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	86	86	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	73	73	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	62	62	62	60
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	53	53	53	51
5	76	64	55	48	74	63	54	48	61	53	47	59	52	47	57	51	46	46	46	46	44
6	71	57	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	41	41	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	36	36	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	33	33	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	30	30	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	27	27	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	9057	9057	9057
5°	9027	9038	9031
10°	8970	8984	8982
15°	8861	8884	8888
20°	8708	8727	8739
25°	8499	8538	8565
30°	8282	8327	8358
35°	8060	8115	8157
40°	7834	7895	7959
45°	7590	7684	7750
50°	7363	7451	7528
55°	7111	7206	7295
60°	6852	6942	7040
65°	6513	6620	6695
70°	6094	6177	6266
75°	5481	5583	5656
80°	4627	4747	4792
85°	3464	3616	3594



TEST NUMBER: P708865  
 CATALOG NUMBER: 22APR-26-62L840-UNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.5	3.6
10°-20°	898.1	10.3
20°-30°	1323.8	15.1
30°-40°	1544.9	17.6
40°-50°	1557.0	17.8
50°-60°	1374.1	15.7
60°-70°	1027.7	11.7
70°-80°	569.5	6.5
80°-90°	140.9	1.6
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°	2539.4	29.0
0°-40°	4084.3	46.7
0°-60°	7015.5	80.1
0°-90°	8753.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8753.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3366	3366	3366	3366	3366	
5°	3342	3346	3346	3347	3343	317
15°	3181	3186	3189	3192	3190	896
25°	2862	2869	2876	2881	2885	1318
35°	2454	2459	2470	2480	2483	1535
45°	1994	2007	2019	2033	2036	1541
55°	1516	1525	1536	1550	1555	1357
65°	1023	1028	1040	1048	1052	1013
75°	527	530	537	543	544	560
85°	112	116	117	116	116	137
90°	0	0	0	0	0	



TEST NUMBER: P708865

CATALOG NUMBER: 22APR-26-62L840-UNV

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3365.6	3365.6	3365.6	3365.6	3365.6
2.5°	3359.3	3362.8	3360.0	3362.8	3360.0
5°	3341.8	3346.0	3346.0	3346.7	3343.2
7.5°	3315.8	3320.8	3322.9	3323.6	3318.7
10°	3282.9	3287.8	3287.8	3290.6	3287.1
12.5°	3240.8	3243.6	3242.9	3247.1	3244.3
15°	3180.6	3186.2	3189.0	3191.8	3190.4
17.5°	3113.3	3120.3	3122.4	3127.3	3123.8
20°	3041.0	3046.0	3047.4	3055.1	3051.6
22.5°	2954.8	2959.7	2964.6	2971.6	2972.3
25°	2862.3	2868.6	2875.6	2881.2	2884.7
27.5°	2766.9	2773.3	2779.6	2786.6	2788.0
30°	2665.3	2673.0	2680.0	2688.4	2689.8
32.5°	2562.9	2565.8	2576.3	2585.4	2589.6
35°	2453.6	2459.2	2470.4	2480.2	2483.0
37.5°	2342.1	2350.5	2362.5	2373.0	2375.8
40°	2230.0	2237.0	2247.5	2261.5	2265.7
42.5°	2116.4	2121.3	2135.3	2147.2	2150.7
45°	1994.4	2007.0	2019.0	2033.0	2036.5
47.5°	1878.0	1887.9	1899.8	1913.1	1918.7
50°	1758.9	1770.8	1779.9	1794.6	1798.1
52.5°	1639.7	1647.4	1660.0	1672.6	1678.3
55°	1515.6	1524.7	1535.9	1550.0	1554.9
57.5°	1396.4	1401.3	1414.0	1425.9	1430.1
60°	1273.1	1278.0	1289.9	1302.5	1308.1
62.5°	1149.7	1153.9	1163.7	1178.4	1178.4
65°	1022.8	1027.7	1039.6	1048.0	1051.5
67.5°	899.4	903.6	912.0	922.5	927.5
70°	774.6	778.1	785.1	795.7	796.4
72.5°	649.9	653.4	662.5	666.0	670.9
75°	527.2	530.0	537.0	542.6	544.0
77.5°	410.1	414.3	419.2	421.3	423.4
80°	298.6	302.8	306.3	308.5	309.2
82.5°	197.7	201.9	204.0	205.4	204.7
85°	112.2	115.7	117.1	115.7	116.4
87.5°	44.2	46.3	47.7	47.0	45.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)