

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: P708870

Luminaire Tested: **22APR-26-62L850-UNV**

Issue Date: 09/12/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P708870  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/12/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: 22APR-26-62L850-UNV  
Description: ArcMed Patient Recessed 2x2 Fixture Ambient and Exam Light  
Light Source: 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

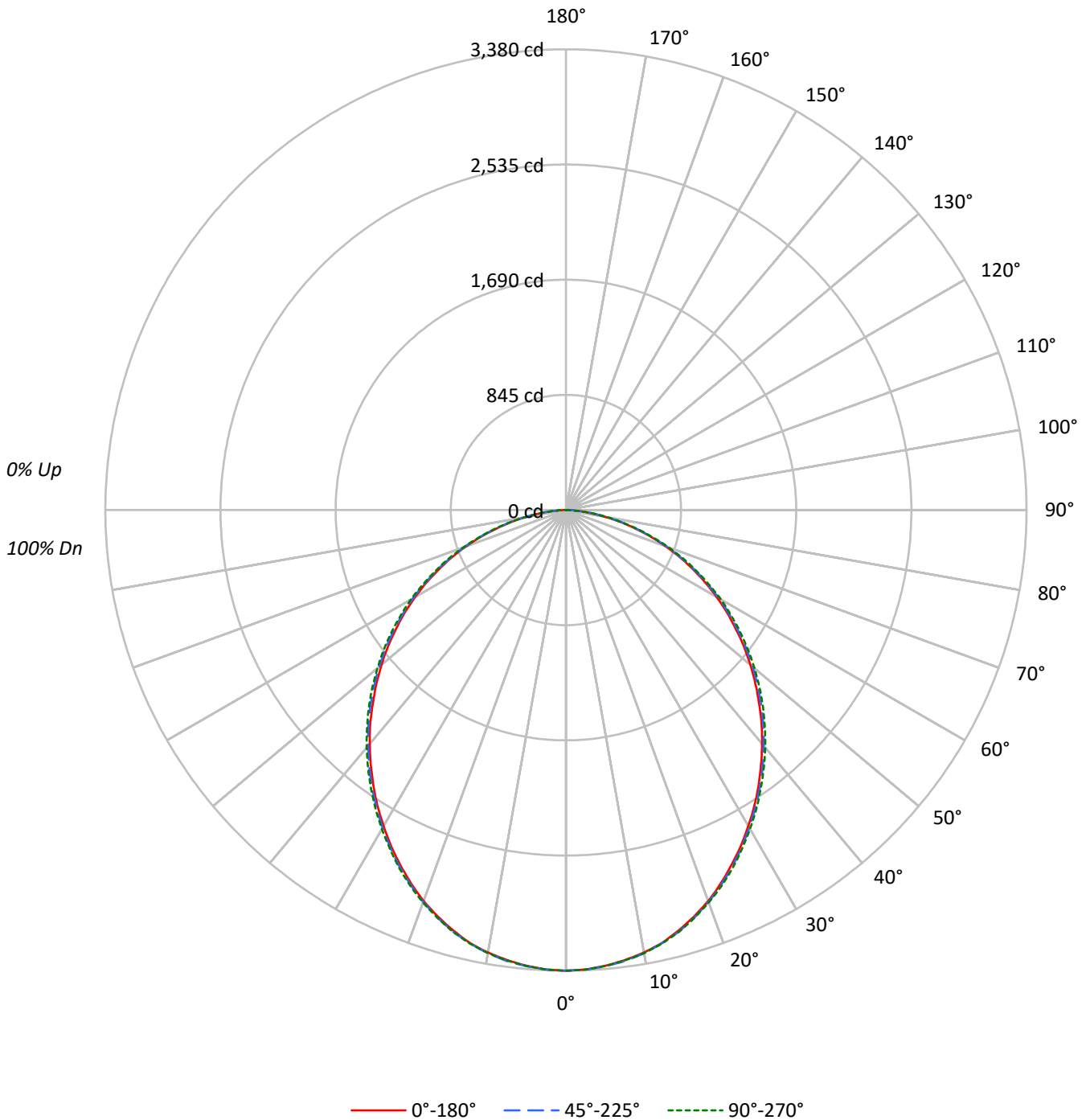
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8790.4 lumens  
Efficiency: N/A  
Efficacy: 114.2 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

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### Luminous Intensity Polar Plot





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**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°	9095	9095	9095
5°	9065	9076	9069
10°	9008	9022	9020
15°	8898	8922	8925
20°	8745	8763	8775
25°	8534	8574	8601
30°	8317	8363	8393
35°	8094	8150	8191
40°	7866	7928	7992
45°	7622	7716	7782
50°	7394	7483	7559
55°	7141	7236	7325
60°	6880	6971	7070
65°	6540	6648	6724
70°	6120	6203	6292
75°	5504	5606	5680
80°	4647	4767	4812
85°	3477	3631	3609



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.8	3.6
10°-20°	901.9	10.3
20°-30°	1329.3	15.1
30°-40°	1551.4	17.6
40°-50°	1563.5	17.8
50°-60°	1379.9	15.7
60°-70°	1032.0	11.7
70°-80°	571.9	6.5
80°-90°	141.5	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°	2550.1	29.0
0°-40°	4101.5	46.7
0°-60°	7045.0	80.1
0°-90°	8790.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8790.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3380	3380	3380	3380	3380	
5°	3356	3360	3360	3361	3357	318
15°	3194	3200	3202	3205	3204	900
25°	2874	2881	2888	2893	2897	1324
35°	2464	2470	2481	2491	2494	1541
45°	2003	2016	2027	2042	2045	1547
55°	1522	1531	1542	1556	1561	1362
65°	1027	1032	1044	1052	1056	1017
75°	529	532	539	545	546	562
85°	113	116	118	116	117	137
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3379.8	3379.8	3379.8	3379.8	3379.8
2.5°	3373.4	3376.9	3374.1	3376.9	3374.1
5°	3355.8	3360.0	3360.0	3360.8	3357.2
7.5°	3329.8	3334.7	3336.8	3337.5	3332.6
10°	3296.7	3301.6	3301.6	3304.4	3300.9
12.5°	3254.5	3257.3	3256.6	3260.8	3258.0
15°	3193.9	3199.5	3202.4	3205.2	3203.8
17.5°	3126.3	3133.4	3135.5	3140.4	3136.9
20°	3053.8	3058.7	3060.2	3067.9	3064.4
22.5°	2967.2	2972.2	2977.1	2984.1	2984.8
25°	2874.3	2880.6	2887.7	2893.3	2896.8
27.5°	2778.6	2784.9	2791.2	2798.3	2799.7
30°	2676.5	2684.2	2691.3	2699.7	2701.1
32.5°	2573.7	2576.5	2587.1	2596.2	2600.5
35°	2463.9	2469.5	2480.8	2490.6	2493.5
37.5°	2352.0	2360.4	2372.4	2382.9	2385.8
40°	2239.3	2246.4	2256.9	2271.0	2275.2
42.5°	2125.3	2130.2	2144.3	2156.3	2159.8
45°	2002.8	2015.5	2027.4	2041.5	2045.0
47.5°	1885.9	1895.8	1907.8	1921.1	1926.8
50°	1766.3	1778.2	1787.4	1802.2	1805.7
52.5°	1646.6	1654.3	1667.0	1679.7	1685.3
55°	1522.0	1531.1	1542.4	1556.5	1561.4
57.5°	1402.3	1407.2	1419.9	1431.9	1436.1
60°	1278.4	1283.3	1295.3	1308.0	1313.6
62.5°	1154.5	1158.7	1168.6	1183.4	1183.4
65°	1027.1	1032.0	1044.0	1052.4	1056.0
67.5°	903.2	907.4	915.9	926.4	931.4
70°	777.9	781.4	788.4	799.0	799.7
72.5°	652.6	656.1	665.3	668.8	673.7
75°	529.4	532.2	539.2	544.9	546.3
77.5°	411.8	416.0	421.0	423.1	425.2
80°	299.9	304.1	307.6	309.7	310.5
82.5°	198.5	202.7	204.9	206.3	205.6
85°	112.6	116.2	117.6	116.2	116.9
87.5°	44.4	46.5	47.9	47.2	45.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)