

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: P708880

Luminaire Tested: **22APR-26-62L935-UNV**

Issue Date: 09/12/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P708880  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/12/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: 22APR-26-62L935-UNV  
Description: ArcMed Patient Recessed 2x2 Fixture Ambient and Exam Light  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

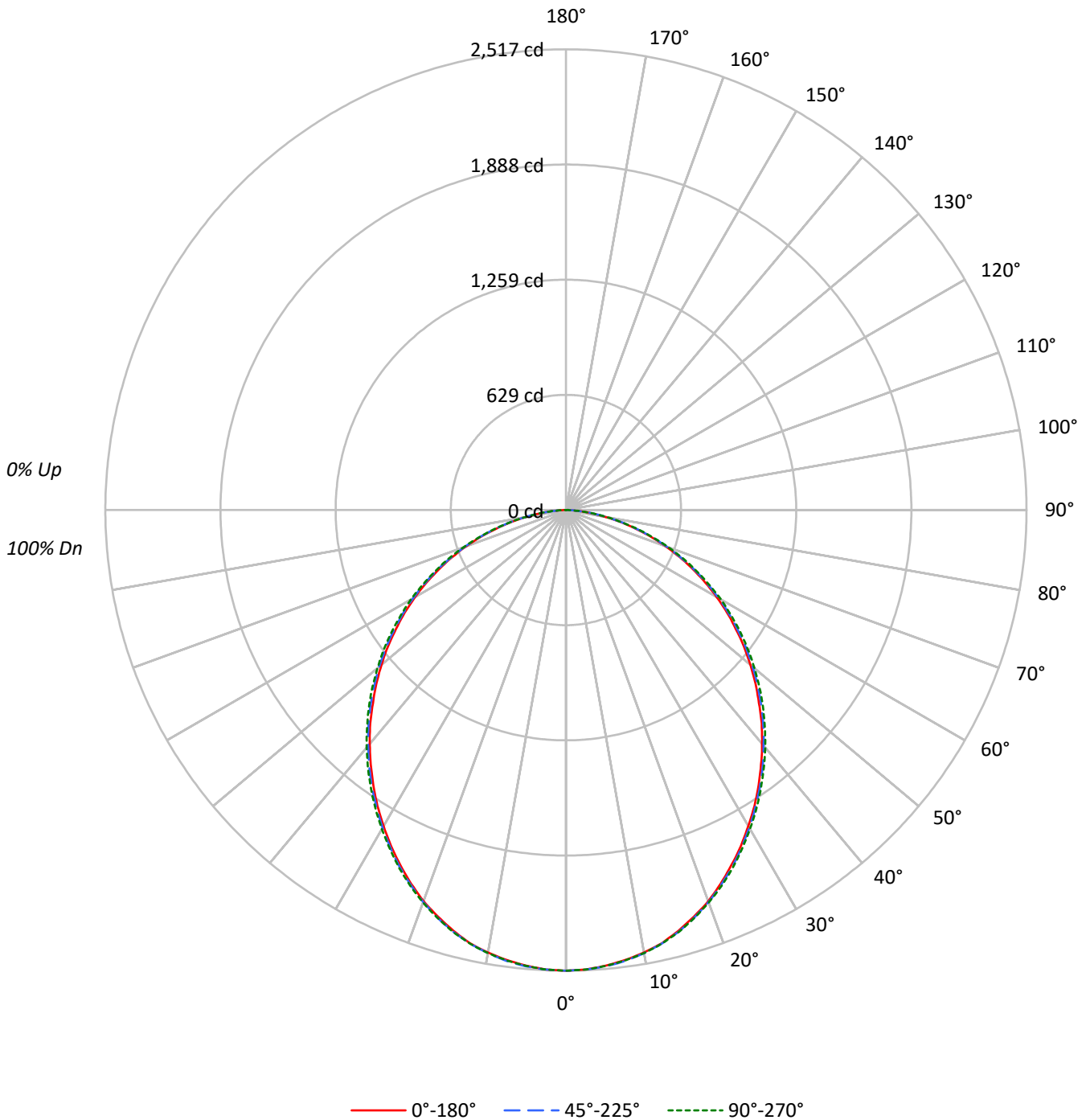
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6546.8 lumens  
Efficiency: N/A  
Efficacy: 85.0 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°	6773	6773	6773
5°	6751	6760	6754
10°	6709	6719	6718
15°	6627	6644	6647
20°	6513	6527	6536
25°	6356	6386	6406
30°	6194	6228	6251
35°	6028	6070	6101
40°	5859	5905	5952
45°	5676	5746	5796
50°	5507	5573	5630
55°	5318	5389	5456
60°	5124	5192	5265
65°	4870	4951	5007
70°	4558	4620	4686
75°	4100	4175	4231
80°	3462	3550	3583
85°	2590	2705	2686



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.5	3.6
10°-20°	671.7	10.3
20°-30°	990.0	15.1
30°-40°	1155.5	17.6
40°-50°	1164.5	17.8
50°-60°	1027.7	15.7
60°-70°	768.6	11.7
70°-80°	426.0	6.5
80°-90°	105.4	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°	1899.2	29.0
0°-40°	3054.7	46.7
0°-60°	5246.9	80.1
0°-90°	6546.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6546.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2517	2517	2517	2517	2517	
5°	2499	2502	2502	2503	2500	237
15°	2379	2383	2385	2387	2386	670
25°	2141	2145	2151	2155	2158	986
35°	1835	1839	1848	1855	1857	1148
45°	1492	1501	1510	1520	1523	1152
55°	1134	1140	1149	1159	1163	1015
65°	765	769	778	784	786	758
75°	394	396	402	406	407	419
85°	84	86	88	86	87	102
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2517.1	2517.1	2517.1	2517.1	2517.1
2.5°	2512.4	2515.1	2513.0	2515.1	2513.0
5°	2499.3	2502.5	2502.5	2503.0	2500.4
7.5°	2479.9	2483.6	2485.2	2485.7	2482.0
10°	2455.3	2459.0	2459.0	2461.0	2458.4
12.5°	2423.8	2425.9	2425.4	2428.5	2426.4
15°	2378.7	2382.9	2385.0	2387.1	2386.1
17.5°	2328.4	2333.6	2335.2	2338.9	2336.3
20°	2274.4	2278.1	2279.1	2284.9	2282.3
22.5°	2209.9	2213.6	2217.3	2222.5	2223.0
25°	2140.7	2145.4	2150.7	2154.9	2157.5
27.5°	2069.4	2074.1	2078.8	2084.1	2085.1
30°	1993.4	1999.1	2004.4	2010.7	2011.7
32.5°	1916.8	1918.9	1926.8	1933.6	1936.8
35°	1835.0	1839.2	1847.6	1855.0	1857.1
37.5°	1751.7	1758.0	1766.9	1774.7	1776.8
40°	1667.8	1673.0	1680.9	1691.4	1694.5
42.5°	1582.9	1586.5	1597.0	1605.9	1608.5
45°	1491.6	1501.1	1510.0	1520.5	1523.1
47.5°	1404.6	1411.9	1420.8	1430.8	1435.0
50°	1315.5	1324.4	1331.2	1342.2	1344.8
52.5°	1226.3	1232.1	1241.5	1251.0	1255.2
55°	1133.5	1140.3	1148.7	1159.2	1162.9
57.5°	1044.4	1048.1	1057.5	1066.4	1069.6
60°	952.1	955.8	964.7	974.1	978.3
62.5°	859.8	863.0	870.3	881.3	881.3
65°	764.9	768.6	777.5	783.8	786.4
67.5°	672.7	675.8	682.1	690.0	693.6
70°	579.3	582.0	587.2	595.1	595.6
72.5°	486.0	488.6	495.5	498.1	501.8
75°	394.3	396.4	401.6	405.8	406.9
77.5°	306.7	309.9	313.5	315.1	316.7
80°	223.4	226.5	229.1	230.7	231.2
82.5°	147.9	151.0	152.6	153.6	153.1
85°	83.9	86.5	87.6	86.5	87.0
87.5°	33.0	34.6	35.7	35.1	34.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)