

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: P708875

Luminaire Tested: **22APR-26-62L930-UNV**

Issue Date: 09/12/2023



Test Information

Test Method: LM-79-08
Report Number: P708875
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/12/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26-62L930-UNV
Description: ArcMed Patient Recessed 2x2 Fixture Ambient and Exam Light
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

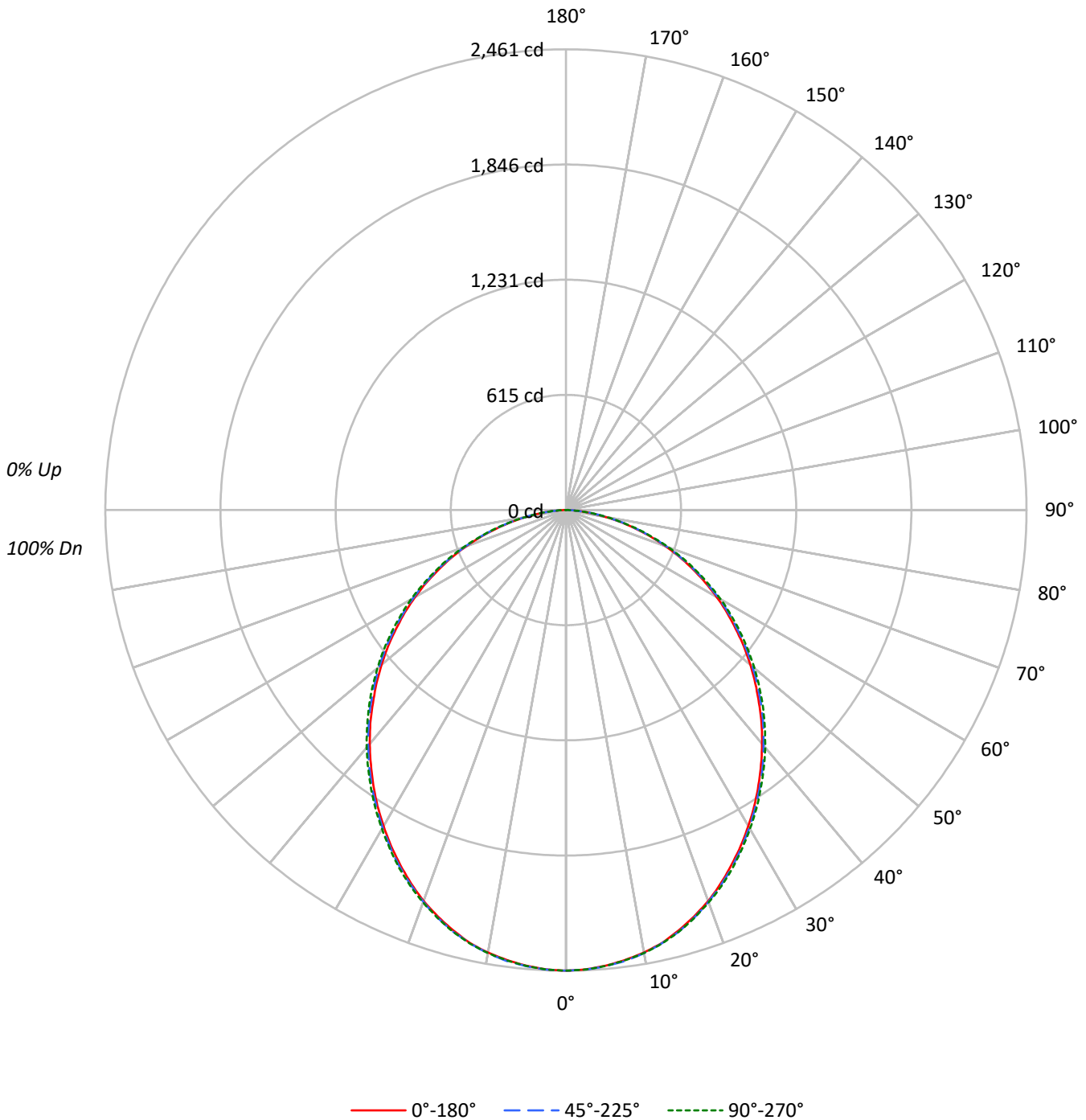
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6399.7 lumens
Efficiency: N/A
Efficacy: 83.1 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°	6621	6621	6621
5°	6600	6608	6602
10°	6558	6568	6567
15°	6478	6495	6498
20°	6367	6380	6389
25°	6213	6242	6262
30°	6055	6088	6110
35°	5893	5933	5963
40°	5727	5772	5819
45°	5549	5617	5666
50°	5383	5448	5503
55°	5199	5268	5333
60°	5009	5075	5147
65°	4762	4840	4895
70°	4456	4516	4581
75°	4007	4082	4135
80°	3383	3471	3502
85°	2532	2643	2628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.1	3.6
10°-20°	656.6	10.3
20°-30°	967.8	15.1
30°-40°	1129.5	17.6
40°-50°	1138.3	17.8
50°-60°	1004.6	15.7
60°-70°	751.4	11.7
70°-80°	416.4	6.5
80°-90°	103.0	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°	1856.6	29.0
0°-40°	2986.1	46.7
0°-60°	5129.0	80.1
0°-90°	6399.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6399.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2461	2461	2461	2461	2461	
5°	2443	2446	2446	2447	2444	232
15°	2325	2329	2332	2334	2332	655
25°	2093	2097	2102	2106	2109	964
35°	1794	1798	1806	1813	1815	1122
45°	1458	1467	1476	1486	1489	1126
55°	1108	1115	1123	1133	1137	992
65°	748	751	760	766	769	741
75°	385	388	393	397	398	409
85°	82	85	86	85	85	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2460.6	2460.6	2460.6	2460.6	2460.6
2.5°	2456.0	2458.6	2456.5	2458.6	2456.5
5°	2443.2	2446.3	2446.3	2446.8	2444.2
7.5°	2424.2	2427.8	2429.3	2429.9	2426.3
10°	2400.1	2403.7	2403.7	2405.8	2403.2
12.5°	2369.4	2371.4	2370.9	2374.0	2371.9
15°	2325.3	2329.4	2331.5	2333.5	2332.5
17.5°	2276.1	2281.2	2282.8	2286.3	2283.8
20°	2223.3	2226.9	2227.9	2233.6	2231.0
22.5°	2160.3	2163.9	2167.4	2172.6	2173.1
25°	2092.6	2097.2	2102.4	2106.5	2109.0
27.5°	2022.9	2027.5	2032.1	2037.3	2038.3
30°	1948.6	1954.2	1959.4	1965.5	1966.5
32.5°	1873.8	1875.8	1883.5	1890.2	1893.2
35°	1793.8	1797.9	1806.1	1813.3	1815.3
37.5°	1712.3	1718.5	1727.2	1734.9	1736.9
40°	1630.3	1635.4	1643.1	1653.4	1656.5
42.5°	1547.3	1550.9	1561.1	1569.8	1572.4
45°	1458.1	1467.3	1476.1	1486.3	1488.9
47.5°	1373.0	1380.2	1388.9	1398.7	1402.8
50°	1285.9	1294.6	1301.3	1312.0	1314.6
52.5°	1198.8	1204.4	1213.6	1222.9	1227.0
55°	1108.1	1114.7	1122.9	1133.2	1136.8
57.5°	1020.9	1024.5	1033.8	1042.5	1045.5
60°	930.7	934.3	943.0	952.3	956.4
62.5°	840.5	843.6	850.8	861.5	861.5
65°	747.8	751.4	760.1	766.2	768.8
67.5°	657.6	660.6	666.8	674.5	678.1
70°	566.3	568.9	574.0	581.7	582.2
72.5°	475.1	477.7	484.3	486.9	490.5
75°	385.4	387.5	392.6	396.7	397.7
77.5°	299.8	302.9	306.5	308.0	309.6
80°	218.3	221.4	224.0	225.5	226.0
82.5°	144.5	147.6	149.1	150.2	149.7
85°	82.0	84.6	85.6	84.6	85.1
87.5°	32.3	33.8	34.9	34.3	33.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)