

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: P708890

Luminaire Tested: **22APR-26-62L950-UNV**

Issue Date: 09/12/2023



Test Information

Test Method: LM-79-08
Report Number: P708890
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/12/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26-62L950-UNV
Description: ArcMed Patient Recessed 2x2 Fixture Ambient and Exam Light
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

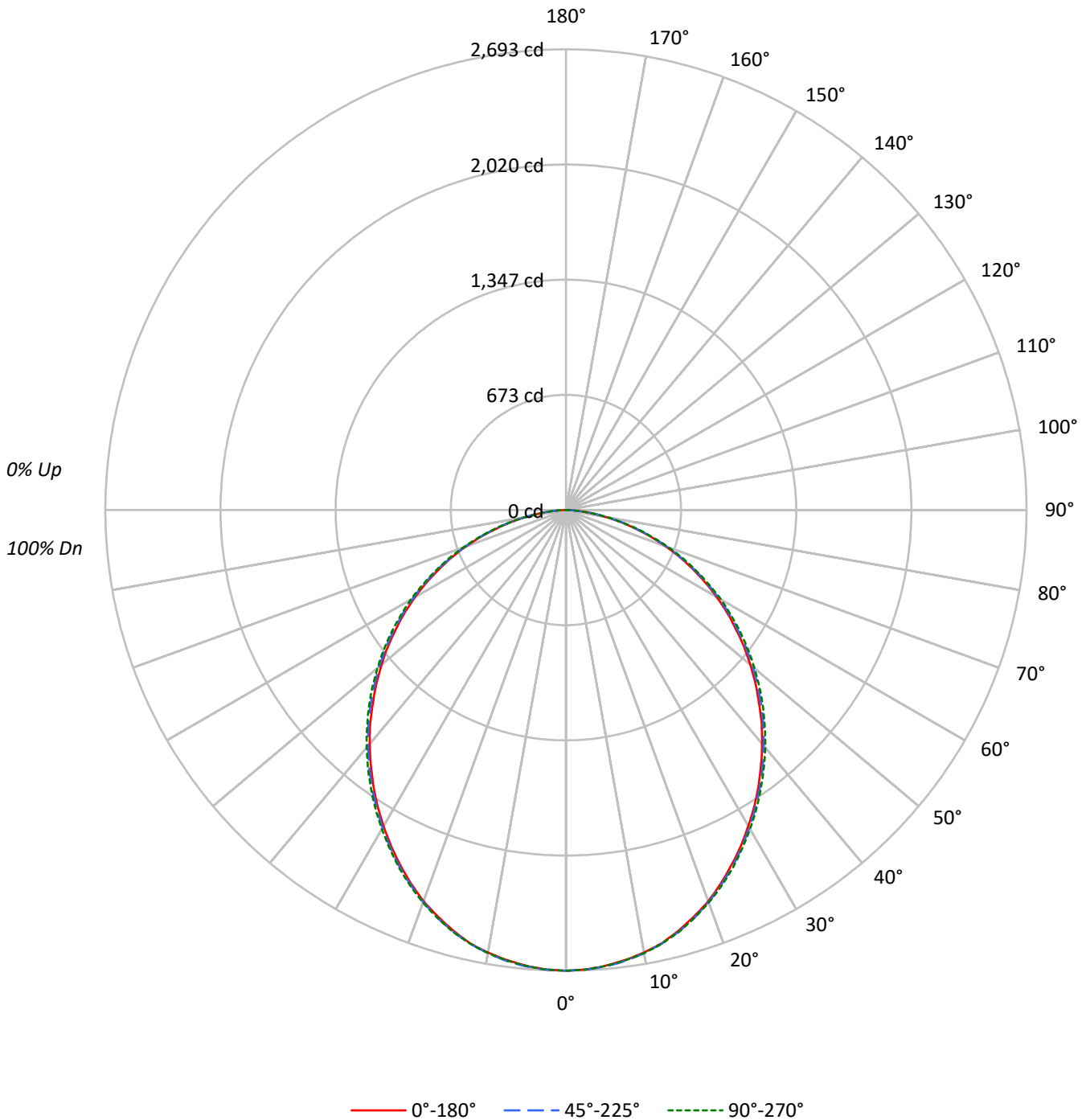
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7004.7 lumens
Efficiency: N/A
Efficacy: 91.0 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°	7247	7247	7247
5°	7223	7233	7226
10°	7178	7189	7187
15°	7090	7109	7112
20°	6968	6983	6993
25°	6801	6832	6854
30°	6627	6664	6688
35°	6450	6494	6527
40°	6268	6317	6369
45°	6073	6148	6202
50°	5892	5963	6024
55°	5690	5766	5837
60°	5483	5555	5634
65°	5211	5297	5358
70°	4877	4943	5014
75°	4386	4468	4526
80°	3704	3798	3834
85°	2773	2893	2875



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.1	3.6
10°-20°	718.7	10.3
20°-30°	1059.3	15.1
30°-40°	1236.3	17.6
40°-50°	1245.9	17.8
50°-60°	1099.6	15.7
60°-70°	822.4	11.7
70°-80°	455.7	6.5
80°-90°	112.7	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°	2032.0	29.0
0°-40°	3268.3	46.7
0°-60°	5613.8	80.1
0°-90°	7004.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7004.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2693	2693	2693	2693	2693	
5°	2674	2678	2678	2678	2675	254
15°	2545	2550	2552	2554	2553	717
25°	2290	2295	2301	2306	2308	1055
35°	1963	1968	1977	1985	1987	1228
45°	1596	1606	1616	1627	1630	1233
55°	1213	1220	1229	1240	1244	1086
65°	818	822	832	839	841	811
75°	422	424	430	434	435	448
85°	90	93	94	93	93	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2693.2	2693.2	2693.2	2693.2	2693.2
2.5°	2688.1	2690.9	2688.7	2690.9	2688.7
5°	2674.1	2677.5	2677.5	2678.0	2675.2
7.5°	2653.3	2657.3	2659.0	2659.5	2655.6
10°	2627.0	2630.9	2630.9	2633.1	2630.3
12.5°	2593.3	2595.6	2595.0	2598.4	2596.1
15°	2545.1	2549.6	2551.8	2554.1	2552.9
17.5°	2491.2	2496.8	2498.5	2502.4	2499.6
20°	2433.4	2437.4	2438.5	2444.7	2441.9
22.5°	2364.4	2368.4	2372.3	2377.9	2378.5
25°	2290.4	2295.4	2301.1	2305.5	2308.4
27.5°	2214.1	2219.2	2224.2	2229.8	2230.9
30°	2132.8	2138.9	2144.6	2151.3	2152.4
32.5°	2050.9	2053.1	2061.5	2068.8	2072.2
35°	1963.4	1967.8	1976.8	1984.7	1986.9
37.5°	1874.2	1880.9	1890.4	1898.9	1901.1
40°	1784.4	1790.0	1798.4	1809.7	1813.0
42.5°	1693.5	1697.5	1708.7	1718.2	1721.0
45°	1595.9	1606.0	1615.6	1626.8	1629.6
47.5°	1502.8	1510.7	1520.2	1530.9	1535.3
50°	1407.4	1417.0	1424.3	1436.1	1438.9
52.5°	1312.1	1318.3	1328.4	1338.5	1342.9
55°	1212.8	1220.1	1229.1	1240.3	1244.2
57.5°	1117.4	1121.4	1131.5	1141.0	1144.4
60°	1018.7	1022.6	1032.2	1042.3	1046.8
62.5°	920.0	923.3	931.2	943.0	943.0
65°	818.4	822.4	831.9	838.6	841.4
67.5°	719.7	723.1	729.8	738.2	742.2
70°	619.9	622.7	628.3	636.7	637.3
72.5°	520.0	522.8	530.1	532.9	536.8
75°	421.8	424.1	429.7	434.2	435.3
77.5°	328.2	331.5	335.5	337.1	338.8
80°	239.0	242.3	245.1	246.8	247.4
82.5°	158.2	161.6	163.2	164.4	163.8
85°	89.8	92.6	93.7	92.6	93.1
87.5°	35.3	37.0	38.1	37.6	36.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)