

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: P708860

Luminaire Tested: **22APR-26-62L835-UNV**

Issue Date: 09/12/2023



Test Information

Test Method: LM-79-08
Report Number: P708860
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/12/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26-62L835-UNV
Description: ArcMed Patient Recessed 2x2 Fixture Ambient and Exam Light
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

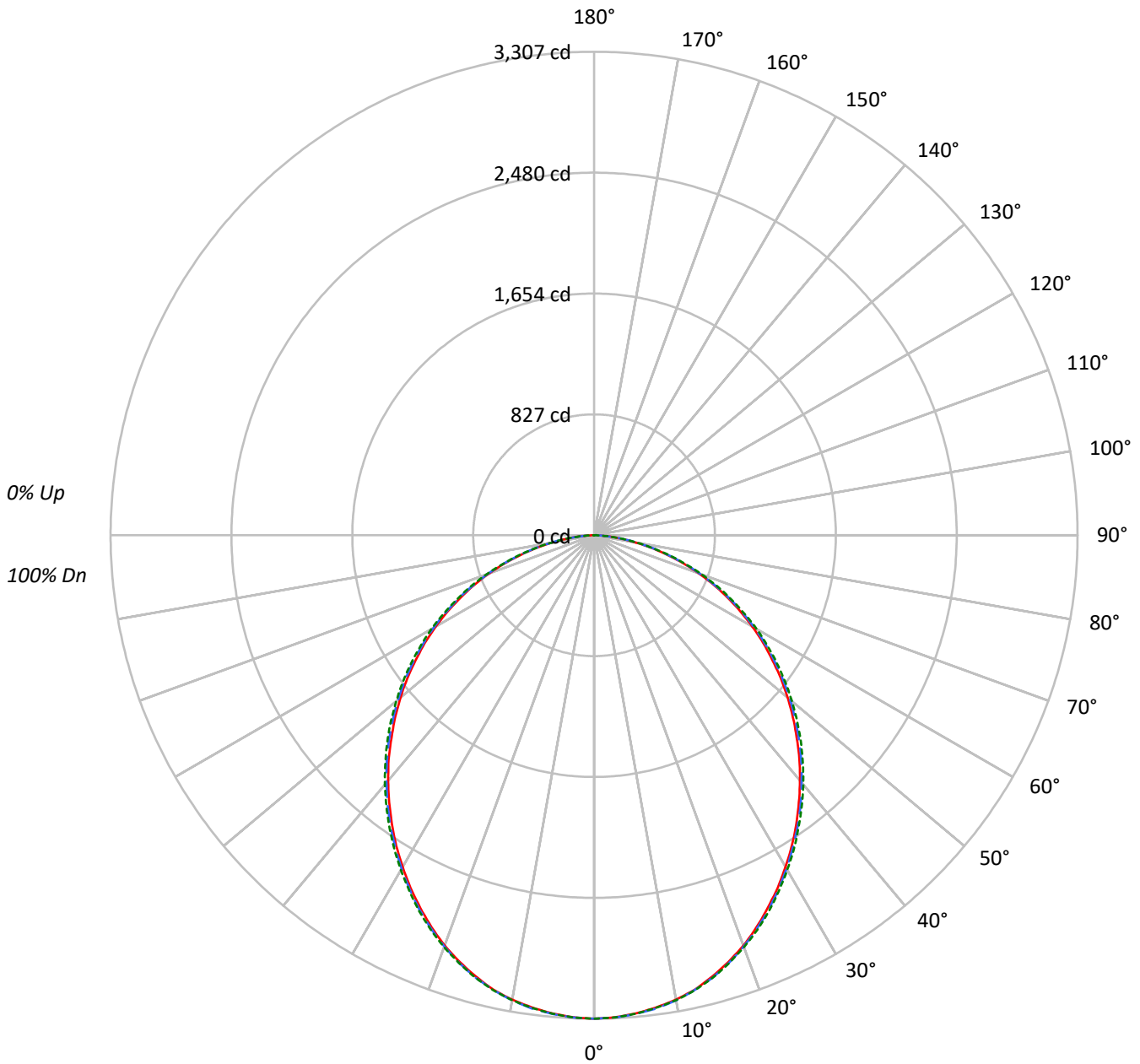
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8600.4 lumens
Efficiency: N/A
Efficacy: 111.7 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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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°	8898	8898	8898
5°	8869	8880	8873
10°	8814	8827	8825
15°	8706	8729	8732
20°	8556	8574	8586
25°	8350	8389	8415
30°	8137	8182	8212
35°	7919	7974	8014
40°	7696	7757	7820
45°	7457	7549	7614
50°	7235	7321	7396
55°	6986	7080	7167
60°	6732	6821	6917
65°	6399	6504	6578
70°	5988	6069	6156
75°	5385	5486	5557
80°	4547	4665	4706
85°	3402	3551	3529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.0	3.6
10°-20°	882.4	10.3
20°-30°	1300.6	15.1
30°-40°	1517.9	17.6
40°-50°	1529.8	17.8
50°-60°	1350.1	15.7
60°-70°	1009.7	11.7
70°-80°	559.6	6.5
80°-90°	138.4	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°	2495.0	29.0
0°-40°	4012.9	46.7
0°-60°	6892.7	80.1
0°-90°	8600.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8600.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3307	3307	3307	3307	3307	
5°	3283	3287	3287	3288	3285	312
15°	3125	3130	3133	3136	3134	881
25°	2812	2818	2825	2831	2834	1295
35°	2411	2416	2427	2437	2440	1508
45°	1960	1972	1984	1997	2001	1514
55°	1489	1498	1509	1523	1528	1333
65°	1005	1010	1021	1030	1033	996
75°	518	521	528	533	534	550
85°	110	114	115	114	114	134
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3306.7	3306.7	3306.7	3306.7	3306.7
2.5°	3300.5	3304.0	3301.2	3304.0	3301.2
5°	3283.3	3287.4	3287.4	3288.1	3284.7
7.5°	3257.8	3262.6	3264.7	3265.4	3260.6
10°	3225.5	3230.3	3230.3	3233.0	3229.6
12.5°	3184.1	3186.9	3186.2	3190.3	3187.6
15°	3124.9	3130.4	3133.2	3135.9	3134.5
17.5°	3058.8	3065.7	3067.7	3072.5	3069.1
20°	2987.8	2992.7	2994.0	3001.6	2998.2
22.5°	2903.1	2907.9	2912.8	2919.6	2920.3
25°	2812.2	2818.4	2825.3	2830.8	2834.2
27.5°	2718.5	2724.7	2730.9	2737.8	2739.2
30°	2618.7	2626.2	2633.1	2641.4	2642.8
32.5°	2518.1	2520.9	2531.2	2540.1	2544.3
35°	2410.7	2416.2	2427.2	2436.8	2439.6
37.5°	2301.1	2309.4	2321.1	2331.4	2334.2
40°	2190.9	2197.8	2208.2	2221.9	2226.1
42.5°	2079.4	2084.2	2098.0	2109.7	2113.1
45°	1959.5	1971.9	1983.6	1997.4	2000.8
47.5°	1845.2	1854.8	1866.5	1879.6	1885.1
50°	1728.1	1739.8	1748.8	1763.2	1766.7
52.5°	1611.0	1618.6	1631.0	1643.4	1648.9
55°	1489.1	1498.0	1509.1	1522.8	1527.7
57.5°	1372.0	1376.8	1389.2	1400.9	1405.1
60°	1250.8	1255.6	1267.3	1279.7	1285.2
62.5°	1129.6	1133.7	1143.3	1157.8	1157.8
65°	1004.9	1009.7	1021.4	1029.7	1033.1
67.5°	883.7	887.8	896.1	906.4	911.2
70°	761.1	764.5	771.4	781.7	782.4
72.5°	638.5	641.9	650.9	654.3	659.1
75°	517.9	520.7	527.6	533.1	534.5
77.5°	402.9	407.1	411.9	413.9	416.0
80°	293.4	297.5	301.0	303.1	303.7
82.5°	194.2	198.4	200.4	201.8	201.1
85°	110.2	113.6	115.0	113.6	114.3
87.5°	43.4	45.5	46.8	46.1	44.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)