

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: P708780

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

Issue Date: 05/10/2023



Test Information

Test Method: LM-79-08
Report Number: P708780
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26L835-X-UNV
Description: ArcMed Patient Recessed 2x2 Fixture AMBIENT Light
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

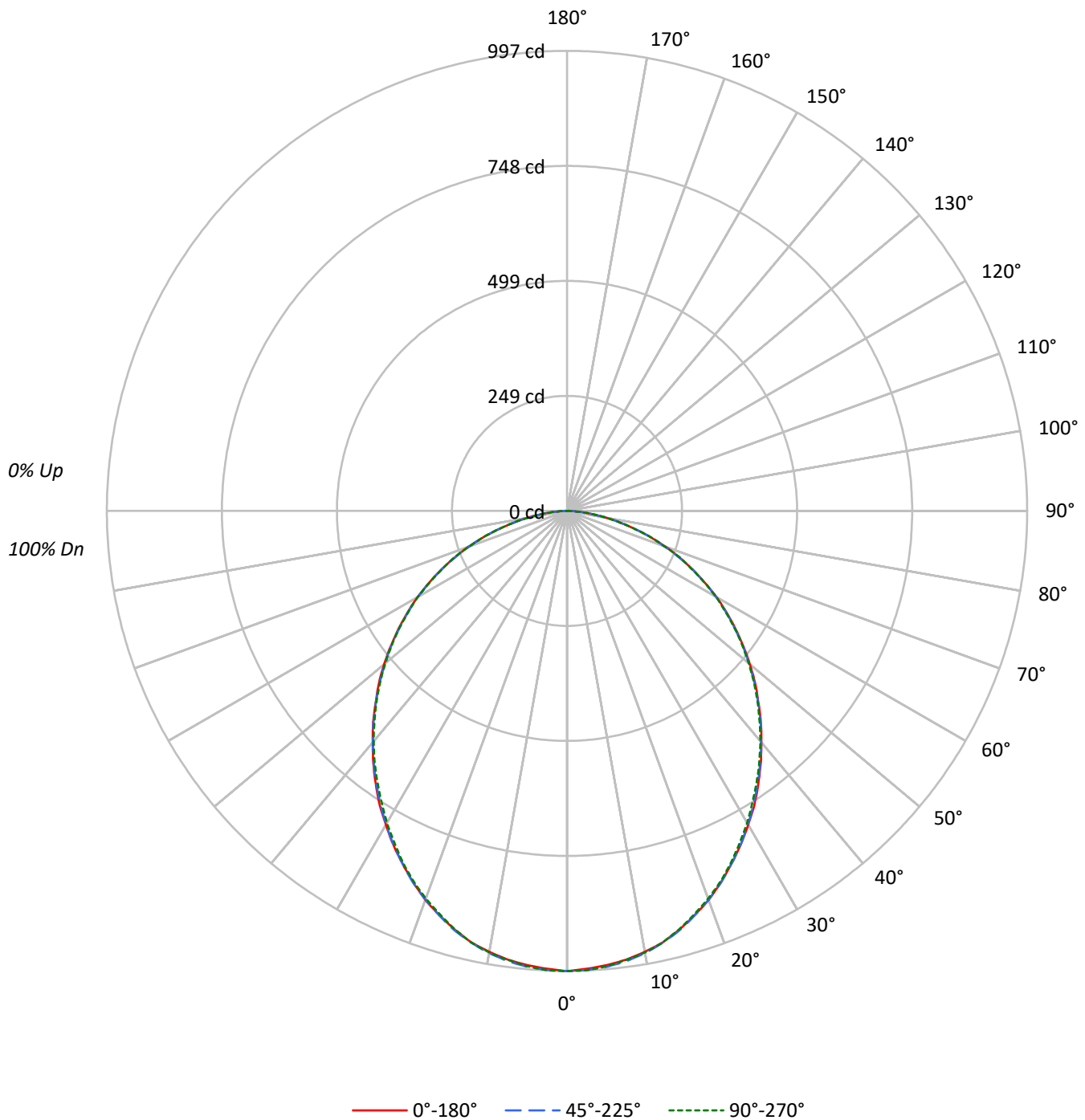
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2547.9 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 25.7
Input Voltage (V): 120
Input Current (A_{in}): 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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	100	96	106	102	98	95	98	95	92		94	91	89		90
2	99	91	85	79	97	89	83	78	86	81	76		83	78	74		80
3	91	80	72	66	88	79	71	65	76	69	64		73	68	63		71
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63
5	77	64	55	49	75	63	54	48	61	53	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	47	42		53	47	42		52
7	66	52	44	38	64	52	43	38	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2684	2684	2684
5°	2670	2679	2675
10°	2652	2659	2655
15°	2617	2623	2615
20°	2570	2568	2560
25°	2505	2505	2497
30°	2440	2438	2425
35°	2373	2367	2353
40°	2301	2298	2289
45°	2230	2228	2220
50°	2165	2157	2151
55°	2091	2081	2081
60°	2013	2005	2009
65°	1908	1912	1899
70°	1783	1772	1772
75°	1590	1597	1597
80°	1345	1345	1356
85°	1022	1022	1041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	3.7
10°-20°	265.0	10.4
20°-30°	388.5	15.2
30°-40°	450.7	17.7
40°-50°	451.9	17.7
50°-60°	397.4	15.6
60°-70°	296.6	11.6
70°-80°	163.2	6.4
80°-90°	40.4	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°	747.6	29.3
0°-40°	1198.3	47.0
0°-60°	2047.6	80.4
0°-90°	2547.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2547.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	988	992	992	992	990	94
15°	939	944	942	940	939	265
25°	844	847	844	843	841	389
35°	722	723	720	718	716	452
45°	586	588	585	585	583	453
55°	446	446	444	444	444	399
65°	300	300	300	299	298	297
75°	153	154	154	152	154	163
85°	33	34	33	33	34	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	997.3	997.3	997.3	997.3	997.3
2.5°	993.2	996.6	995.9	998.0	996.6
5°	988.3	991.8	991.8	991.8	990.4
7.5°	980.8	984.2	984.2	984.2	981.4
10°	970.4	973.9	973.2	973.2	971.8
12.5°	958.0	960.1	958.7	958.7	958.0
15°	939.4	943.6	941.5	940.1	938.7
17.5°	918.8	922.9	919.5	918.8	916.7
20°	897.4	900.2	896.7	896.7	894.0
22.5°	871.2	874.0	871.9	870.6	869.2
25°	843.7	847.1	843.7	843.0	840.9
27.5°	815.5	818.2	814.8	812.0	810.6
30°	785.2	787.2	784.5	782.4	780.3
32.5°	755.5	755.5	752.8	750.7	748.0
35°	722.5	723.2	720.4	718.3	716.3
37.5°	689.4	690.8	688.0	686.0	684.6
40°	655.0	656.4	654.3	652.2	651.5
42.5°	621.9	621.9	620.5	618.5	617.1
45°	586.1	588.2	585.4	584.7	583.4
47.5°	553.1	553.1	550.3	548.9	548.9
50°	517.2	518.6	515.2	514.5	513.8
52.5°	481.4	480.7	480.0	479.4	478.7
55°	445.6	446.3	443.5	444.2	443.5
57.5°	409.8	409.1	408.4	407.7	407.0
60°	374.0	373.3	372.6	371.9	373.3
62.5°	336.8	337.5	335.4	337.5	334.7
65°	299.6	299.6	300.3	298.9	298.2
67.5°	263.8	263.8	262.4	262.4	265.2
70°	226.6	227.3	225.2	228.0	225.2
72.5°	190.1	190.8	190.1	189.4	190.8
75°	152.9	153.6	153.6	152.2	153.6
77.5°	119.2	119.8	119.2	118.5	119.2
80°	86.8	87.5	86.8	86.1	87.5
82.5°	57.9	58.5	57.9	57.9	58.5
85°	33.1	33.7	33.1	33.1	33.7
87.5°	13.1	13.8	13.8	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)