

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: P708775

Luminaire Tested: **22APR-26L830-X-UNV**

Issue Date: 05/10/2023



Test Information

Test Method: LM-79-08
Report Number: P708775
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26L830-X-UNV
Description: ArcMed Patient Recessed 2x2 Fixture AMBIENT Light
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

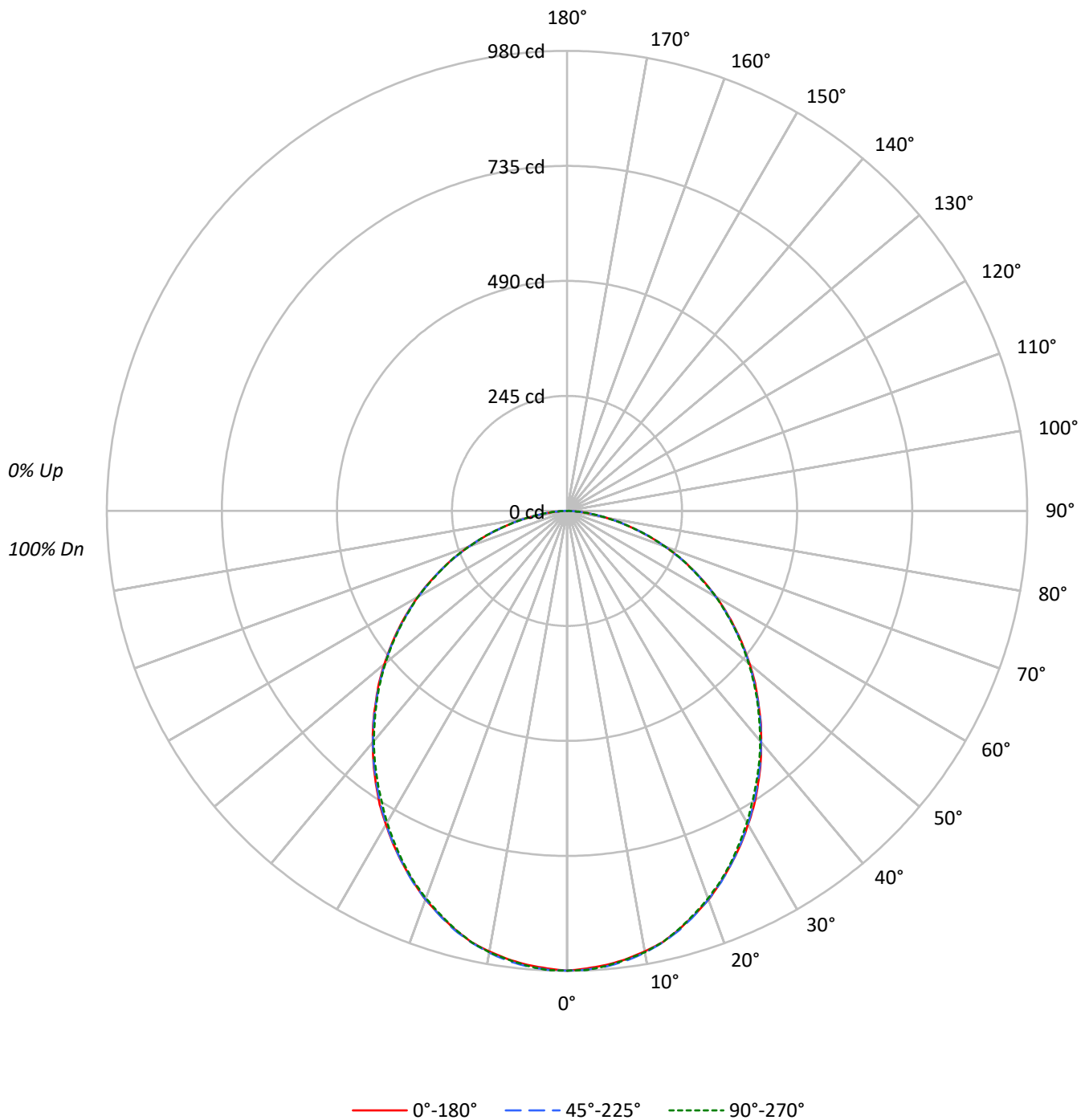
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2502.5 lumens
Efficiency: N/A
Efficacy: 97.4 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 (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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	84
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	73	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	62	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	53	53	51
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	47	47	45
6	71	58	49	43	69	57	48	42	55	47	42	53	47	42	52	46	41	41	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	37	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	33	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2636	2636	2636
5°	2622	2631	2628
10°	2604	2612	2608
15°	2571	2576	2569
20°	2524	2522	2515
25°	2461	2461	2453
30°	2396	2394	2381
35°	2331	2325	2311
40°	2260	2257	2248
45°	2191	2188	2181
50°	2127	2118	2112
55°	2054	2044	2044
60°	1977	1970	1973
65°	1874	1878	1865
70°	1751	1740	1740
75°	1562	1569	1569
80°	1320	1320	1331
85°	1003	1003	1022



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.7
10°-20°	260.3	10.4
20°-30°	381.6	15.2
30°-40°	442.7	17.7
40°-50°	443.9	17.7
50°-60°	390.4	15.6
60°-70°	291.3	11.6
70°-80°	160.3	6.4
80°-90°	39.7	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°	734.2	29.3
0°-40°	1177.0	47.0
0°-60°	2011.2	80.4
0°-90°	2502.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2502.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	971	974	974	974	973	92
15°	923	927	925	923	922	260
25°	829	832	829	828	826	382
35°	710	710	708	706	704	444
45°	576	578	575	574	573	445
55°	438	438	436	436	436	391
65°	294	294	295	294	293	292
75°	150	151	151	150	151	160
85°	32	33	32	32	33	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	979.5	979.5	979.5	979.5	979.5
2.5°	975.5	978.8	978.2	980.2	978.8
5°	970.7	974.1	974.1	974.1	972.8
7.5°	963.3	966.7	966.7	966.7	964.0
10°	953.1	956.5	955.8	955.8	954.5
12.5°	941.0	943.0	941.6	941.6	941.0
15°	922.7	926.8	924.7	923.4	922.0
17.5°	902.4	906.5	903.1	902.4	900.4
20°	881.4	884.1	880.8	880.8	878.1
22.5°	855.7	858.4	856.4	855.1	853.7
25°	828.7	832.1	828.7	828.0	826.0
27.5°	800.9	803.6	800.3	797.6	796.2
30°	771.2	773.2	770.5	768.5	766.4
32.5°	742.1	742.1	739.4	737.3	734.6
35°	709.6	710.3	707.6	705.6	703.5
37.5°	677.1	678.5	675.8	673.8	672.4
40°	643.3	644.7	642.6	640.6	639.9
42.5°	610.8	610.8	609.5	607.5	606.1
45°	575.7	577.7	575.0	574.3	573.0
47.5°	543.2	543.2	540.5	539.1	539.1
50°	508.0	509.4	506.0	505.3	504.6
52.5°	472.8	472.2	471.5	470.8	470.1
55°	437.7	438.3	435.6	436.3	435.6
57.5°	402.5	401.8	401.1	400.5	399.8
60°	367.3	366.6	366.0	365.3	366.6
62.5°	330.8	331.5	329.4	331.5	328.8
65°	294.3	294.3	294.9	293.6	292.9
67.5°	259.1	259.1	257.7	257.7	260.4
70°	222.6	223.2	221.2	223.9	221.2
72.5°	186.7	187.4	186.7	186.0	187.4
75°	150.2	150.9	150.9	149.5	150.9
77.5°	117.0	117.7	117.0	116.4	117.0
80°	85.2	85.9	85.2	84.6	85.9
82.5°	56.8	57.5	56.8	56.8	57.5
85°	32.5	33.1	32.5	32.5	33.1
87.5°	12.9	13.5	13.5	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)