

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: P708790

Luminaire Tested: **22APR-26L850-X-UNV**

Issue Date: 05/10/2023



Test Information

Test Method: LM-79-08
Report Number: P708790
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26L850-X-UNV
Description: ArcMed Patient Recessed 2x2 Fixture AMBIENT Light
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

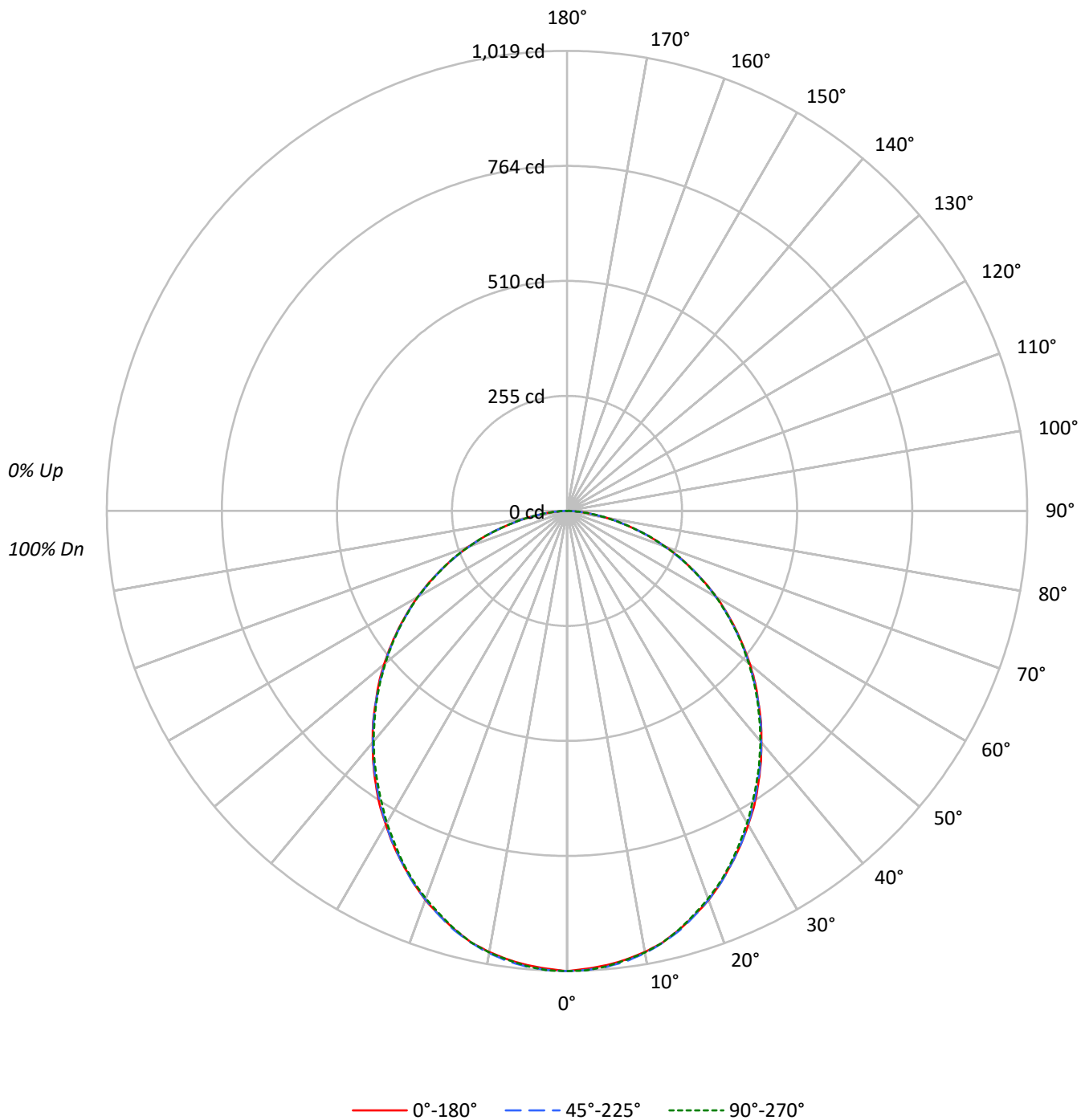
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2604.1 lumens
Efficiency: N/A
Efficacy: 101.3 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°	2743	2743	2743
5°	2729	2738	2734
10°	2710	2718	2714
15°	2675	2681	2673
20°	2627	2625	2617
25°	2560	2560	2552
30°	2494	2491	2478
35°	2426	2419	2405
40°	2352	2349	2339
45°	2280	2277	2269
50°	2213	2205	2198
55°	2137	2127	2127
60°	2057	2049	2053
65°	1950	1954	1941
70°	1822	1811	1811
75°	1625	1632	1632
80°	1375	1375	1385
85°	1044	1044	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	3.7
10°-20°	270.8	10.4
20°-30°	397.1	15.2
30°-40°	460.7	17.7
40°-50°	461.9	17.7
50°-60°	406.2	15.6
60°-70°	303.1	11.6
70°-80°	166.8	6.4
80°-90°	41.3	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°	764.1	29.3
0°-40°	1224.8	47.0
0°-60°	2092.9	80.4
0°-90°	2604.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2604.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1019	1019	1019	1019	1019	
5°	1010	1014	1014	1014	1012	96
15°	960	964	962	961	960	271
25°	862	866	862	862	860	397
35°	738	739	736	734	732	462
45°	599	601	598	598	596	463
55°	456	456	453	454	453	407
65°	306	306	307	306	305	304
75°	156	157	157	156	157	167
85°	34	34	34	34	34	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1019.3	1019.3	1019.3	1019.3	1019.3
2.5°	1015.1	1018.6	1017.9	1020.0	1018.6
5°	1010.2	1013.7	1013.7	1013.7	1012.3
7.5°	1002.4	1005.9	1005.9	1005.9	1003.1
10°	991.9	995.4	994.7	994.7	993.3
12.5°	979.2	981.3	979.9	979.9	979.2
15°	960.2	964.4	962.3	960.9	959.5
17.5°	939.1	943.3	939.8	939.1	937.0
20°	917.2	920.1	916.5	916.5	913.7
22.5°	890.5	893.3	891.2	889.8	888.4
25°	862.3	865.9	862.3	861.6	859.5
27.5°	833.5	836.3	832.8	830.0	828.5
30°	802.5	804.6	801.8	799.7	797.6
32.5°	772.2	772.2	769.4	767.3	764.5
35°	738.4	739.1	736.3	734.2	732.1
37.5°	704.6	706.1	703.2	701.1	699.7
40°	669.5	670.9	668.7	666.6	665.9
42.5°	635.7	635.7	634.3	632.1	630.7
45°	599.1	601.2	598.4	597.6	596.2
47.5°	565.3	565.3	562.5	561.0	561.0
50°	528.7	530.1	526.6	525.8	525.1
52.5°	492.1	491.4	490.6	489.9	489.2
55°	455.5	456.2	453.3	454.0	453.3
57.5°	418.8	418.1	417.4	416.7	416.0
60°	382.2	381.5	380.8	380.1	381.5
62.5°	344.2	344.9	342.8	344.9	342.1
65°	306.2	306.2	306.9	305.5	304.8
67.5°	269.6	269.6	268.2	268.2	271.0
70°	231.6	232.3	230.2	233.0	230.2
72.5°	194.3	195.0	194.3	193.6	195.0
75°	156.3	157.0	157.0	155.6	157.0
77.5°	121.8	122.5	121.8	121.1	121.8
80°	88.7	89.4	88.7	88.0	89.4
82.5°	59.1	59.8	59.1	59.1	59.8
85°	33.8	34.5	33.8	33.8	34.5
87.5°	13.4	14.1	14.1	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)