

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: P708905

Luminaire Tested: **22APR-X-X-UNV-NL935**

Issue Date: 09/12/2023



Test Information

Test Method: LM-79-08
Report Number: P708905
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/12/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-X-X-UNV-NL935
Description: ArcMed Patient Recessed 2x2 Fixture NIGHT Light
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

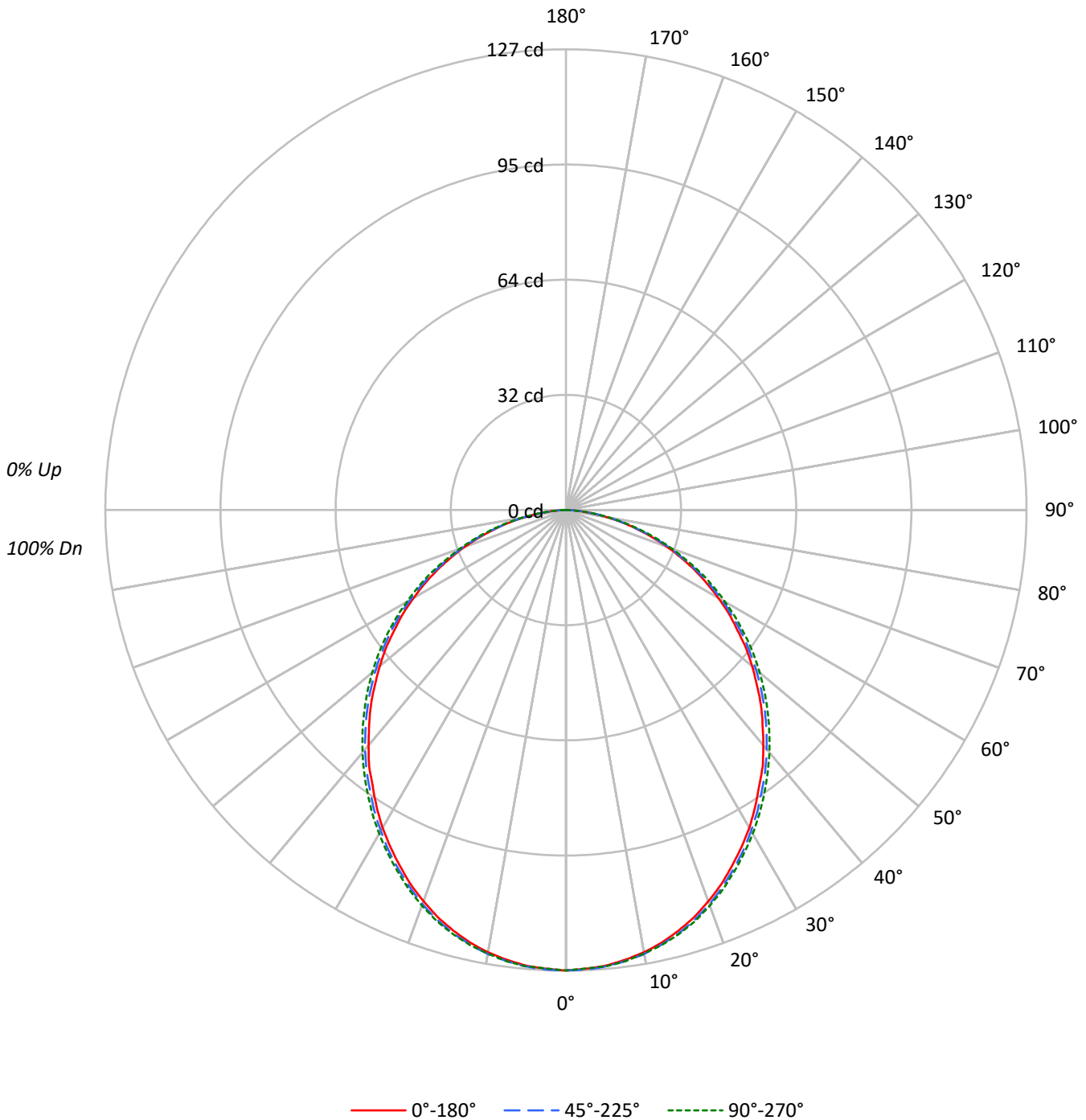
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 335.1 lumens
Efficiency: N/A
Efficacy: 55.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.32
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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

TEST NUMBER: P708905
CATALOG NUMBER: 22APR-X-X-UNV-NL935

Luminous Intensity Polar Plot





TEST NUMBER: P708905
 CATALOG NUMBER: 22APR-X-X-UNV-NL935

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	80	76	82	78	74	79	76	73	73	73	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	62	62	62	59
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	53	53	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	46	46	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	41	41	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	36	36	36	34
8	61	48	39	33	59	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	29	29	29	29	28
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	342	342	342
5°	341	341	341
10°	338	340	339
15°	334	336	337
20°	329	331	332
25°	322	324	326
30°	314	317	320
35°	305	309	313
40°	297	303	307
45°	289	295	299
50°	281	287	292
55°	271	278	283
60°	261	267	273
65°	249	255	261
70°	233	238	244
75°	210	215	222
80°	179	186	190
85°	132	134	144



TEST NUMBER: P708905
 CATALOG NUMBER: 22APR-X-X-UNV-NL935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	3.6
10°-20°	34.0	10.1
20°-30°	50.3	15.0
30°-40°	59.0	17.6
40°-50°	59.7	17.8
50°-60°	52.9	15.8
60°-70°	39.6	11.8
70°-80°	22.1	6.6
80°-90°	5.5	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°	96.3	28.7
0°-40°	155.3	46.3
0°-60°	267.9	80.0
0°-90°	335.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	335.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	127	127	127	127	127	
5°	126	126	126	126	126	12
15°	120	120	121	121	121	34
25°	108	109	109	110	110	50
35°	93	93	94	95	95	58
45°	76	77	77	79	79	59
55°	58	58	59	60	60	52
65°	39	39	40	41	41	39
75°	20	20	21	21	21	22
85°	4	4	4	5	5	5
90°	0	0	0	0	0	



TEST NUMBER: P708905

CATALOG NUMBER: 22APR-X-X-UNV-NL935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	126.9	126.9	126.9	126.9	126.9
2.5°	126.6	126.9	126.8	126.6	126.5
5°	126.1	126.3	126.3	126.3	126.3
7.5°	125.0	125.3	125.4	125.4	125.5
10°	123.8	124.2	124.3	124.3	124.1
12.5°	122.1	122.5	122.6	122.7	122.8
15°	120.0	120.5	120.7	120.9	120.9
17.5°	117.7	118.0	118.3	118.7	118.7
20°	114.8	115.2	115.6	116.1	116.1
22.5°	111.8	112.2	112.6	113.0	113.2
25°	108.3	108.7	109.3	109.7	109.9
27.5°	104.8	105.2	105.9	106.5	106.5
30°	101.1	101.5	102.1	102.9	103.0
32.5°	97.1	97.5	98.3	98.9	99.3
35°	92.9	93.4	94.2	95.1	95.3
37.5°	89.1	89.4	90.3	91.2	91.4
40°	84.7	85.3	86.1	87.1	87.3
42.5°	80.3	80.9	81.8	82.8	83.0
45°	76.1	76.5	77.4	78.5	78.7
47.5°	71.4	72.0	73.0	74.0	74.3
50°	67.0	67.5	68.5	69.6	69.8
52.5°	62.6	62.9	63.7	64.8	65.2
55°	57.7	58.3	59.2	60.1	60.4
57.5°	53.3	53.6	54.5	55.5	55.6
60°	48.5	48.8	49.6	50.6	50.6
62.5°	43.9	44.1	44.9	45.7	45.9
65°	39.1	39.5	40.1	40.9	41.0
67.5°	34.3	34.5	35.1	35.9	35.9
70°	29.6	29.8	30.3	31.1	31.1
72.5°	24.9	25.1	25.5	26.2	26.4
75°	20.2	20.3	20.7	21.3	21.4
77.5°	15.9	15.8	16.1	16.7	16.8
80°	11.6	11.6	12.0	12.2	12.3
82.5°	7.7	7.7	7.9	8.2	8.2
85°	4.3	4.3	4.3	4.6	4.7
87.5°	1.8	1.7	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)