

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: P708800

Luminaire Tested: **22APR-26L935-X-UNV**

Issue Date: 05/10/2023



Test Information

Test Method: LM-79-08
Report Number: P708800
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26L935-X-UNV
Description: ArcMed Patient Recessed 2x2 Fixture AMBIENT Light
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

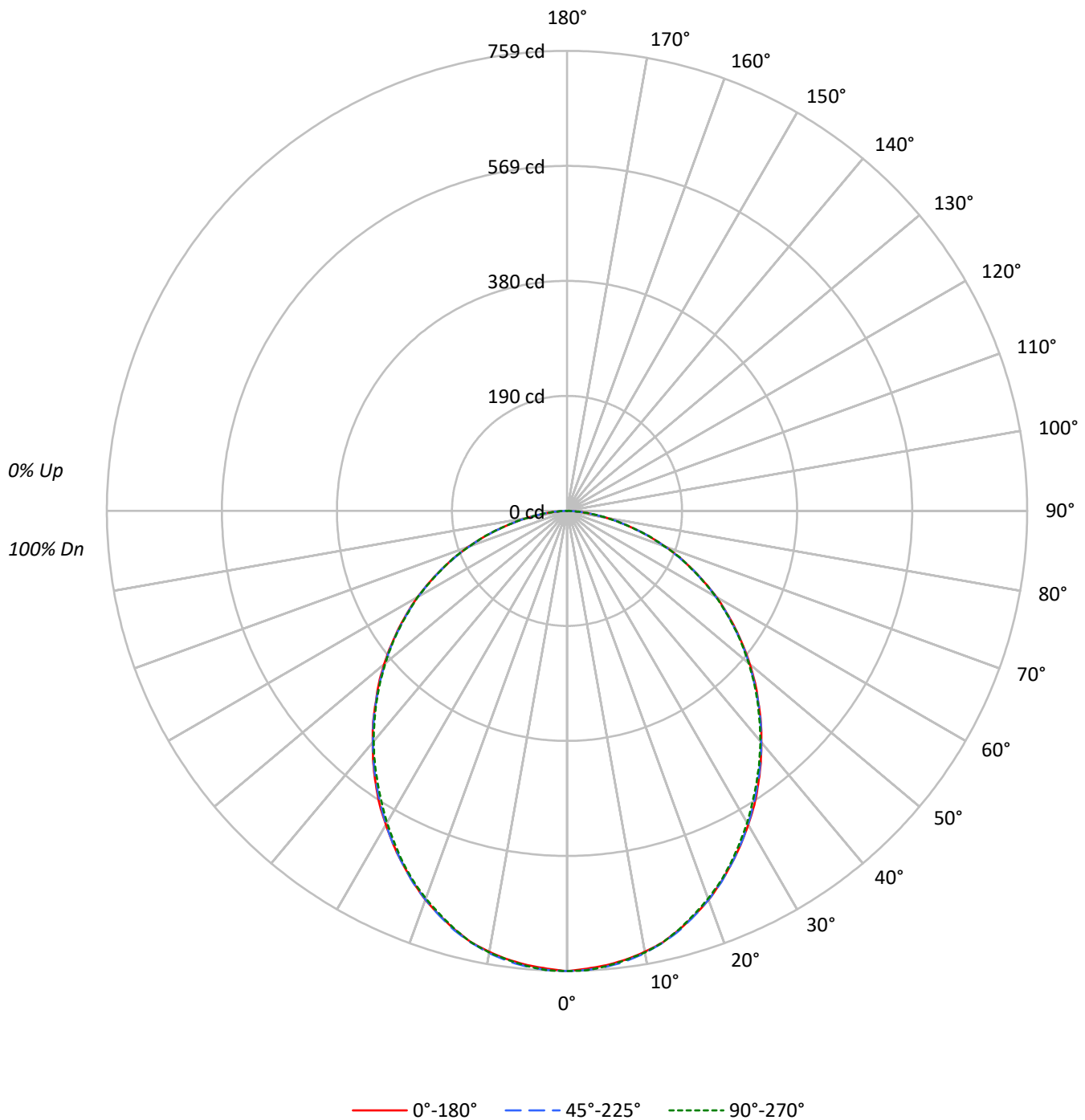
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1939.5 lumens
Efficiency: N/A
Efficacy: 75.5 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°	2043	2043	2043
5°	2032	2039	2036
10°	2018	2024	2021
15°	1992	1997	1991
20°	1956	1955	1949
25°	1907	1907	1901
30°	1857	1856	1846
35°	1807	1802	1791
40°	1751	1750	1742
45°	1698	1696	1690
50°	1648	1642	1637
55°	1591	1584	1584
60°	1532	1526	1530
65°	1452	1456	1445
70°	1357	1349	1349
75°	1210	1215	1215
80°	1024	1024	1032
85°	778	778	794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	3.7
10°-20°	201.7	10.4
20°-30°	295.8	15.2
30°-40°	343.1	17.7
40°-50°	344.0	17.7
50°-60°	302.5	15.6
60°-70°	225.8	11.6
70°-80°	124.2	6.4
80°-90°	30.8	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°	569.0	29.3
0°-40°	912.2	47.0
0°-60°	1558.7	80.4
0°-90°	1939.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1939.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	752	755	755	755	754	71
15°	715	718	717	716	715	201
25°	642	645	642	642	640	296
35°	550	550	548	547	545	344
45°	446	448	446	445	444	345
55°	339	340	338	338	338	303
65°	228	228	229	228	227	226
75°	116	117	117	116	117	124
85°	25	26	25	25	26	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.2	759.2	759.2	759.2	759.2
2.5°	756.0	758.6	758.1	759.7	758.6
5°	752.3	755.0	755.0	755.0	753.9
7.5°	746.6	749.2	749.2	749.2	747.1
10°	738.7	741.3	740.8	740.8	739.8
12.5°	729.3	730.8	729.8	729.8	729.3
15°	715.1	718.3	716.7	715.6	714.6
17.5°	699.4	702.5	699.9	699.4	697.8
20°	683.1	685.2	682.6	682.6	680.5
22.5°	663.2	665.3	663.7	662.7	661.6
25°	642.2	644.9	642.2	641.7	640.1
27.5°	620.7	622.8	620.2	618.1	617.1
30°	597.7	599.2	597.2	595.6	594.0
32.5°	575.1	575.1	573.0	571.5	569.4
35°	550.0	550.5	548.4	546.8	545.2
37.5°	524.8	525.9	523.8	522.2	521.1
40°	498.6	499.6	498.1	496.5	496.0
42.5°	473.4	473.4	472.4	470.8	469.8
45°	446.2	447.7	445.6	445.1	444.1
47.5°	421.0	421.0	418.9	417.8	417.8
50°	393.7	394.8	392.2	391.6	391.1
52.5°	366.5	365.9	365.4	364.9	364.4
55°	339.2	339.7	337.6	338.2	337.6
57.5°	311.9	311.4	310.9	310.4	309.8
60°	284.7	284.2	283.6	283.1	284.2
62.5°	256.4	256.9	255.3	256.9	254.8
65°	228.1	228.1	228.6	227.5	227.0
67.5°	200.8	200.8	199.7	199.7	201.8
70°	172.5	173.0	171.4	173.5	171.4
72.5°	144.7	145.2	144.7	144.2	145.2
75°	116.4	116.9	116.9	115.9	116.9
77.5°	90.7	91.2	90.7	90.2	90.7
80°	66.1	66.6	66.1	65.5	66.6
82.5°	44.0	44.6	44.0	44.0	44.6
85°	25.2	25.7	25.2	25.2	25.7
87.5°	10.0	10.5	10.5	10.5	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)