

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: P708810

Luminaire Tested: **22APR-26L950-X-UNV**

Issue Date: 05/10/2023



Test Information

Test Method: LM-79-08
Report Number: P708810
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26L950-X-UNV
Description: ArcMed Patient Recessed 2x2 Fixture AMBIENT Light
Light Source: 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

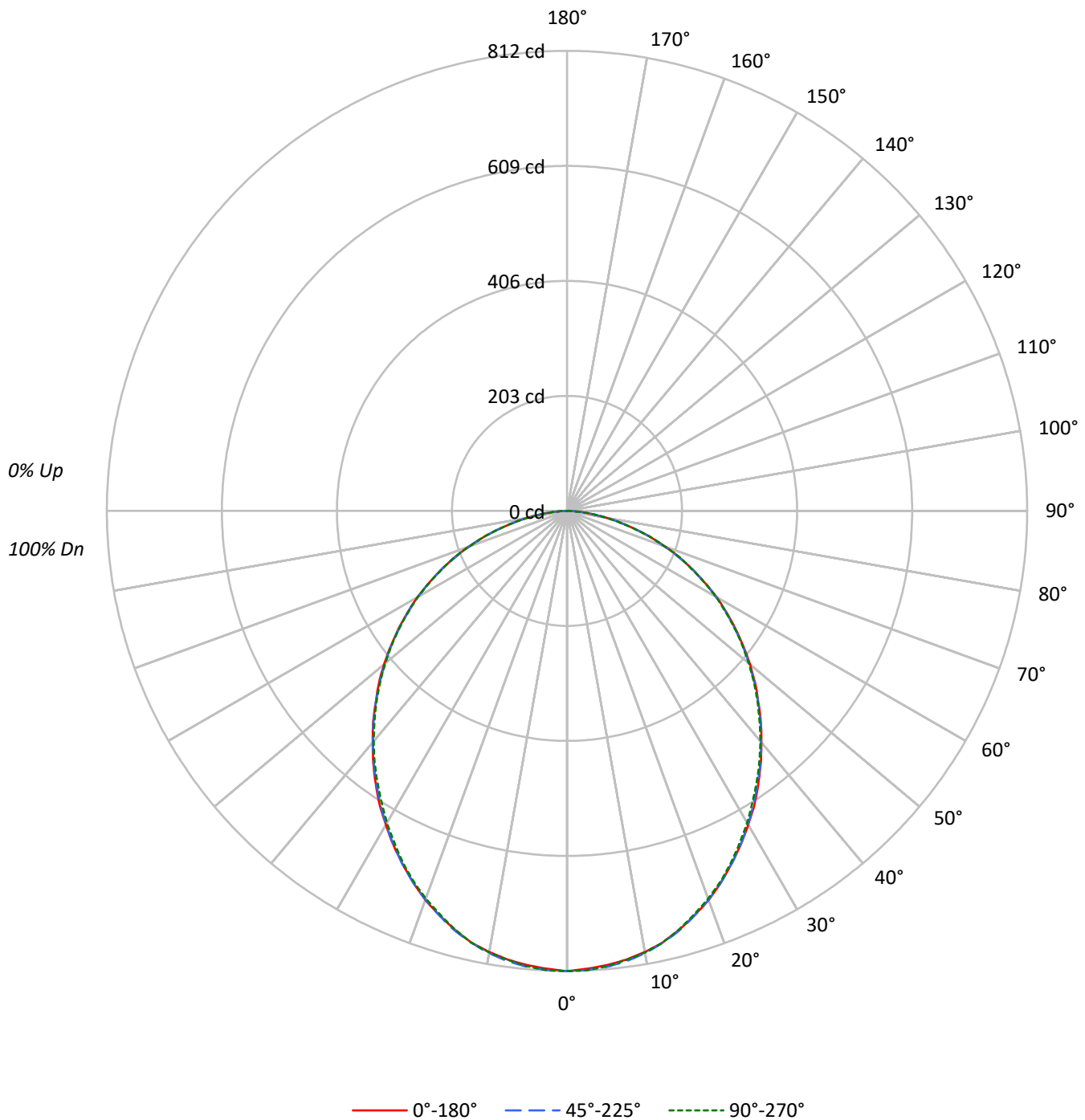
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2075.1 lumens
Efficiency: N/A
Efficacy: 80.7 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°	2186	2186	2186
5°	2174	2182	2179
10°	2160	2166	2163
15°	2131	2136	2130
20°	2093	2091	2085
25°	2040	2040	2034
30°	1987	1985	1975
35°	1933	1927	1917
40°	1874	1872	1864
45°	1817	1815	1808
50°	1764	1757	1752
55°	1703	1695	1695
60°	1639	1633	1636
65°	1554	1557	1547
70°	1452	1443	1443
75°	1294	1301	1301
80°	1096	1096	1103
85°	831	831	849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	3.7
10°-20°	215.8	10.4
20°-30°	316.4	15.2
30°-40°	367.1	17.7
40°-50°	368.1	17.7
50°-60°	323.7	15.6
60°-70°	241.6	11.6
70°-80°	132.9	6.4
80°-90°	32.9	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°	608.9	29.3
0°-40°	976.0	47.0
0°-60°	1667.7	80.4
0°-90°	2075.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	805	808	808	808	807	76
15°	765	768	767	766	765	216
25°	687	690	687	687	685	317
35°	588	589	587	585	583	368
45°	477	479	477	476	475	369
55°	363	364	361	362	361	325
65°	244	244	245	243	243	242
75°	124	125	125	124	125	133
85°	27	28	27	27	28	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.2	812.2	812.2	812.2	812.2
2.5°	808.9	811.7	811.1	812.8	811.7
5°	804.9	807.8	807.8	807.8	806.6
7.5°	798.8	801.6	801.6	801.6	799.3
10°	790.4	793.2	792.6	792.6	791.5
12.5°	780.3	782.0	780.8	780.8	780.3
15°	765.1	768.5	766.8	765.7	764.6
17.5°	748.3	751.7	748.9	748.3	746.6
20°	730.9	733.1	730.3	730.3	728.1
22.5°	709.6	711.8	710.2	709.0	707.9
25°	687.2	690.0	687.2	686.6	684.9
27.5°	664.2	666.4	663.6	661.3	660.2
30°	639.5	641.2	638.9	637.2	635.5
32.5°	615.4	615.4	613.1	611.4	609.2
35°	588.4	589.0	586.7	585.1	583.4
37.5°	561.5	562.6	560.4	558.7	557.6
40°	533.5	534.6	532.9	531.2	530.6
42.5°	506.5	506.5	505.4	503.7	502.6
45°	477.4	479.0	476.8	476.2	475.1
47.5°	450.4	450.4	448.2	447.1	447.1
50°	421.3	422.4	419.6	419.0	418.5
52.5°	392.1	391.5	391.0	390.4	389.9
55°	362.9	363.5	361.2	361.8	361.2
57.5°	333.8	333.2	332.6	332.1	331.5
60°	304.6	304.0	303.5	302.9	304.0
62.5°	274.3	274.9	273.2	274.9	272.6
65°	244.0	244.0	244.6	243.4	242.9
67.5°	214.8	214.8	213.7	213.7	216.0
70°	184.5	185.1	183.4	185.7	183.4
72.5°	154.8	155.4	154.8	154.3	155.4
75°	124.5	125.1	125.1	124.0	125.1
77.5°	97.0	97.6	97.0	96.5	97.0
80°	70.7	71.2	70.7	70.1	71.2
82.5°	47.1	47.7	47.1	47.1	47.7
85°	26.9	27.5	26.9	26.9	27.5
87.5°	10.7	11.2	11.2	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)