

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: P708795

Luminaire Tested: **22APR-26L930-X-UNV**

Issue Date: 05/10/2023



Test Information

Test Method: LM-79-08
Report Number: P708795
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-26L930-X-UNV
Description: ArcMed Patient Recessed 2x2 Fixture AMBIENT Light
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

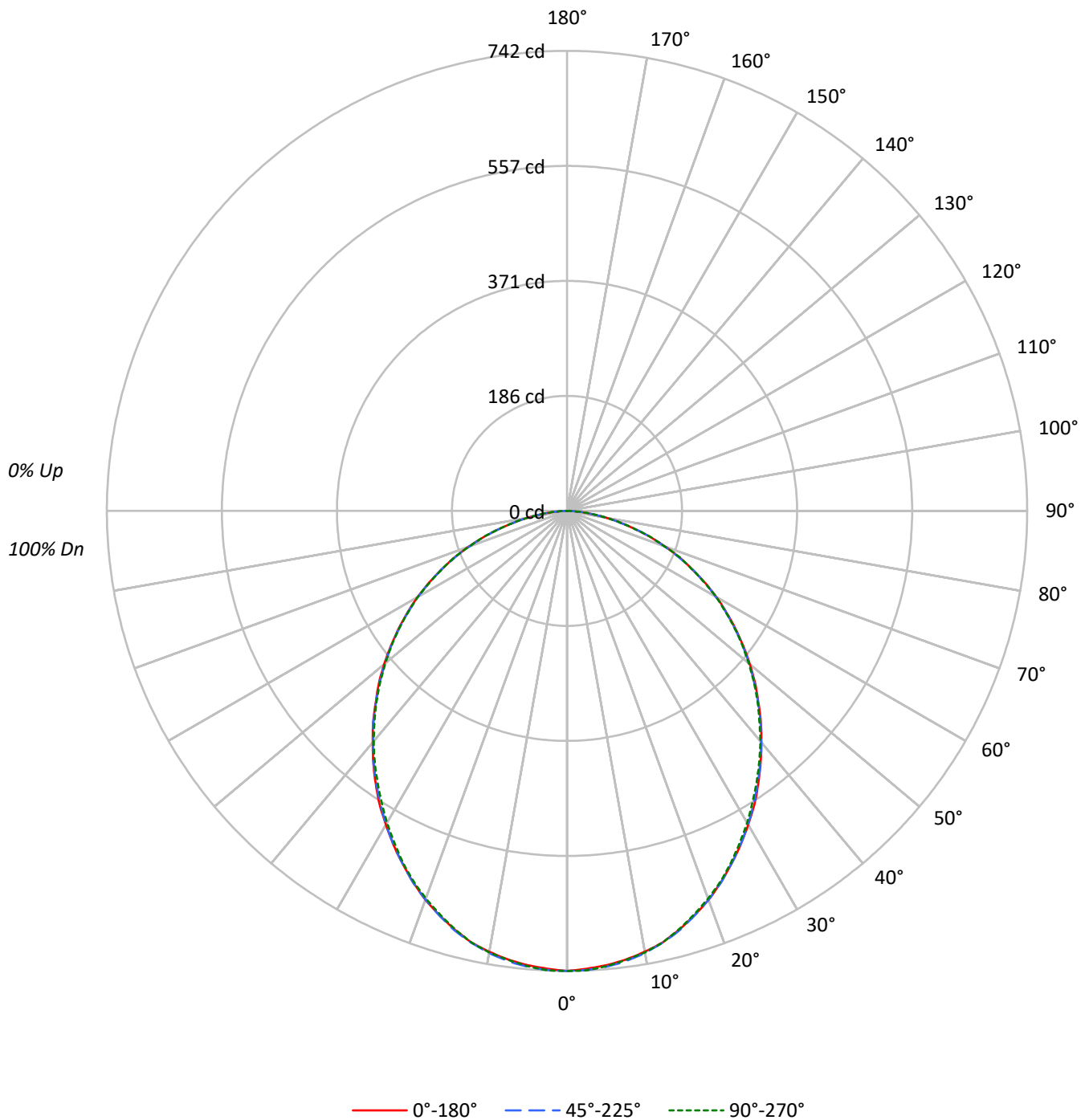
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1896.0 lumens
Efficiency: N/A
Efficacy: 73.8 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°	1997	1997	1997
5°	1987	1994	1991
10°	1973	1979	1976
15°	1948	1952	1946
20°	1912	1911	1905
25°	1864	1864	1858
30°	1816	1814	1804
35°	1766	1761	1751
40°	1712	1710	1703
45°	1660	1658	1652
50°	1611	1605	1600
55°	1556	1549	1549
60°	1498	1492	1495
65°	1419	1423	1413
70°	1327	1319	1319
75°	1183	1188	1188
80°	1001	1001	1009
85°	760	760	775



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	3.7
10°-20°	197.2	10.4
20°-30°	289.1	15.2
30°-40°	335.4	17.7
40°-50°	336.3	17.7
50°-60°	295.8	15.6
60°-70°	220.7	11.6
70°-80°	121.5	6.4
80°-90°	30.1	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°	556.3	29.3
0°-40°	891.7	47.0
0°-60°	1523.7	80.4
0°-90°	1896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	735	738	738	738	737	70
15°	699	702	701	700	698	197
25°	628	630	628	627	626	289
35°	538	538	536	534	533	336
45°	436	438	436	435	434	337
55°	332	332	330	331	330	297
65°	223	223	224	222	222	221
75°	114	114	114	113	114	121
85°	25	25	25	25	25	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	742.1	742.1	742.1	742.1	742.1
2.5°	739.0	741.6	741.1	742.6	741.6
5°	735.4	738.0	738.0	738.0	737.0
7.5°	729.8	732.4	732.4	732.4	730.3
10°	722.1	724.7	724.2	724.2	723.1
12.5°	712.9	714.4	713.4	713.4	712.9
15°	699.1	702.1	700.6	699.6	698.5
17.5°	683.7	686.8	684.2	683.7	682.1
20°	667.8	669.8	667.3	667.3	665.2
22.5°	648.3	650.4	648.8	647.8	646.8
25°	627.8	630.4	627.8	627.3	625.8
27.5°	606.8	608.9	606.3	604.2	603.2
30°	584.3	585.8	583.7	582.2	580.7
32.5°	562.2	562.2	560.2	558.6	556.6
35°	537.6	538.1	536.1	534.5	533.0
37.5°	513.0	514.0	512.0	510.5	509.4
40°	487.4	488.4	486.9	485.3	484.8
42.5°	462.8	462.8	461.8	460.2	459.2
45°	436.1	437.7	435.6	435.1	434.1
47.5°	411.5	411.5	409.5	408.5	408.5
50°	384.9	385.9	383.4	382.8	382.3
52.5°	358.2	357.7	357.2	356.7	356.2
55°	331.6	332.1	330.1	330.6	330.1
57.5°	304.9	304.4	303.9	303.4	302.9
60°	278.3	277.8	277.3	276.8	277.8
62.5°	250.6	251.1	249.6	251.1	249.1
65°	222.9	222.9	223.5	222.4	221.9
67.5°	196.3	196.3	195.3	195.3	197.3
70°	168.6	169.1	167.6	169.6	167.6
72.5°	141.5	142.0	141.5	140.9	142.0
75°	113.8	114.3	114.3	113.3	114.3
77.5°	88.7	89.2	88.7	88.2	88.7
80°	64.6	65.1	64.6	64.1	65.1
82.5°	43.1	43.6	43.1	43.1	43.6
85°	24.6	25.1	24.6	24.6	25.1
87.5°	9.7	10.3	10.3	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)