

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: METALUX

Report Number: P257269

Luminaire Tested: **22FP3240C-EL14W**

Test Date: 06/13/17

**Test Information**

Test Method: LM-79-08  
Report Number: P257269  
Test Lab: INNOVATION CENTER(G2)  
Test Date: 06/13/17  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22FP3240C-EL14W  
Description: 2x2,3200LM, UNV LED FLAT PANEL FIXTURE - Emergency Mode  
Light Source: -  
Ballast/Driver: -

**Summary**

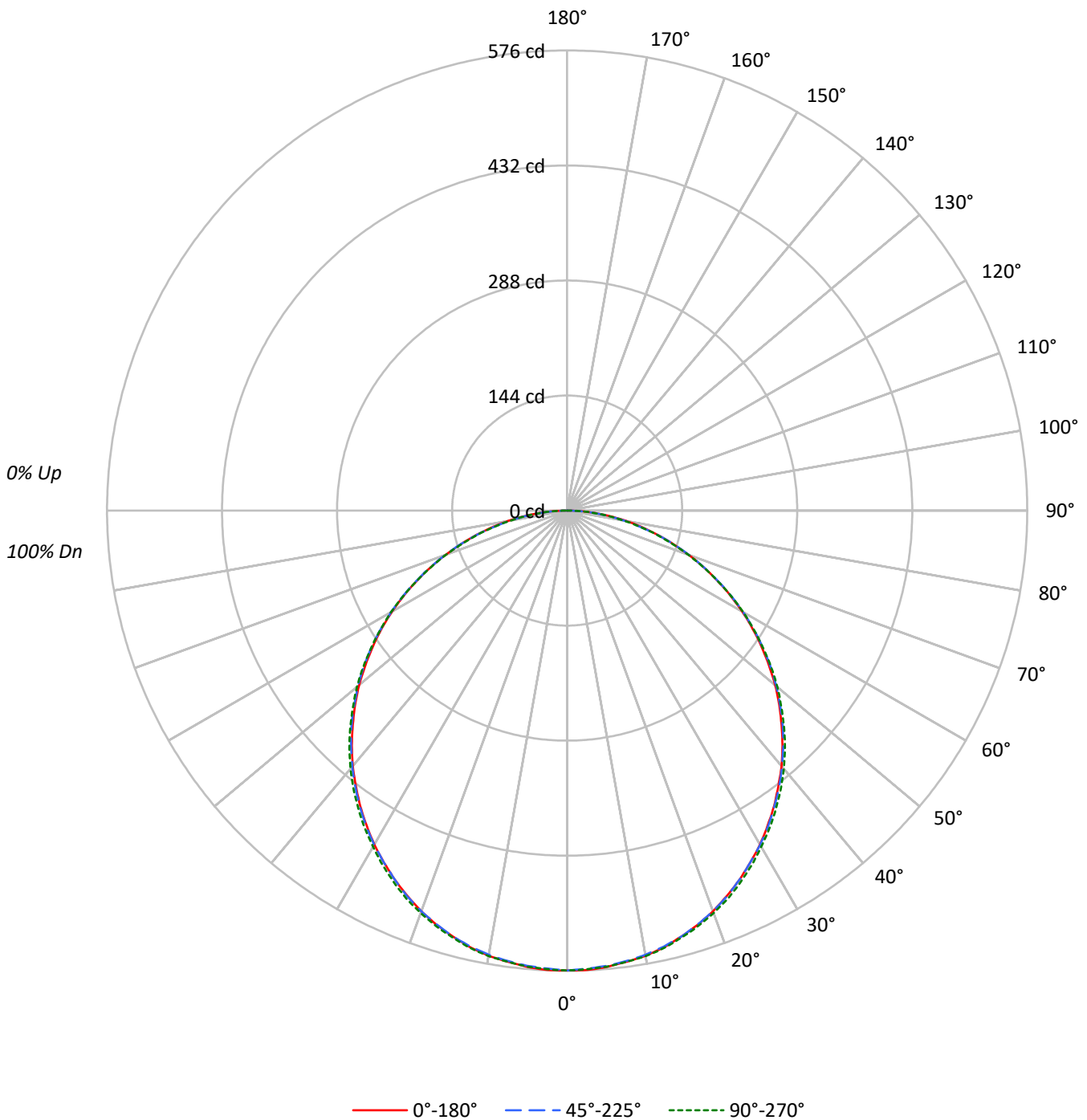
Lumens per Lamp: N/A  
Luminaire Lumens: 1655.5 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
Input Voltage (V): NR  
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): 25.3  
Test Distance: 25 FT



TEST NUMBER: P257269  
CATALOG NUMBER: 22FP3240C-EL14W

### Luminous Intensity Polar Plot





TEST NUMBER: P257269

CATALOG NUMBER: 22FP3240C-EL14W

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1549	1549	1549
5°	1549	1545	1548
10°	1546	1542	1548
15°	1538	1538	1542
20°	1529	1529	1535
25°	1515	1515	1524
30°	1500	1501	1510
35°	1483	1486	1497
40°	1467	1470	1482
45°	1444	1453	1462
50°	1423	1431	1438
55°	1394	1405	1405
60°	1362	1369	1371
65°	1321	1326	1321
70°	1273	1277	1266
75°	1219	1213	1204
80°	1161	1124	1110
85°	1078	1019	1007



TEST NUMBER: P257269

CATALOG NUMBER: 22FP3240C-EL14W

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.4	3.3
10°-20°	155.8	9.4
20°-30°	235.4	14.2
30°-40°	283.2	17.1
40°-50°	294.0	17.8
50°-60°	266.7	16.1
60°-70°	205.5	12.4
70°-80°	122.9	7.4
80°-90°	37.4	2.3
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°	445.6	26.9
0°-40°	728.8	44.0
0°-60°	1289.6	77.9
0°-90°	1655.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1655.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	576	576	576	576	576	
5°	573	572	572	573	573	54
15°	552	551	552	553	553	156
25°	510	509	510	512	513	235
35°	452	451	452	454	456	282
45°	379	379	382	382	384	293
55°	297	297	300	299	300	266
65°	207	207	208	207	207	205
75°	117	117	117	116	116	124
85°	35	34	33	33	33	39
90°	0	0	0	0	0	



TEST NUMBER: P257269

CATALOG NUMBER: 22FP3240C-EL14W

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	575.7	575.7	575.7	575.7	575.7
2.5°	575.7	573.8	573.8	574.7	574.7
5°	573.3	572.0	572.0	572.9	572.9
7.5°	569.6	568.2	568.7	569.6	569.6
10°	565.9	564.0	564.5	565.9	566.4
12.5°	559.9	558.5	558.9	560.3	560.8
15°	552.0	551.0	552.0	553.4	553.4
17.5°	543.6	542.2	543.1	545.0	545.4
20°	533.8	532.9	533.8	535.7	536.1
22.5°	522.2	521.3	522.7	524.5	525.9
25°	510.1	508.7	510.1	512.0	513.4
27.5°	496.6	495.7	496.6	498.9	500.3
30°	482.7	481.3	483.1	484.5	485.9
32.5°	467.3	466.9	468.3	469.6	471.5
35°	451.5	450.6	452.4	454.3	455.7
37.5°	434.3	434.3	435.7	437.1	439.4
40°	417.6	416.6	418.5	419.9	421.8
42.5°	399.0	398.0	400.4	401.3	403.6
45°	379.4	379.0	381.8	382.2	384.1
47.5°	359.9	359.9	361.8	362.7	363.6
50°	339.9	339.5	341.8	342.2	343.6
52.5°	318.5	319.0	320.8	320.8	321.8
55°	297.1	297.1	299.5	299.0	299.5
57.5°	275.3	275.3	277.1	276.7	277.1
60°	253.0	253.0	254.4	253.9	254.8
62.5°	230.2	230.2	231.6	230.6	231.1
65°	207.4	207.4	208.3	207.4	207.4
67.5°	184.6	184.6	185.5	184.1	184.1
70°	161.8	161.8	162.3	160.4	160.9
72.5°	139.0	139.0	139.5	138.1	137.2
75°	117.2	116.7	116.7	115.8	115.8
77.5°	95.8	94.9	93.5	93.0	92.5
80°	74.9	73.5	72.5	71.6	71.6
82.5°	54.4	53.5	52.1	51.6	51.6
85°	34.9	33.5	33.0	32.6	32.6
87.5°	16.7	15.8	14.9	15.3	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)