

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: P29731-R2

Luminaire Tested: **22FP3240C**

Test Date: 06/13/17

Test Information

Test Method: LM-79-08
Report Number: P29731-R2
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
Description: 2x2,3200LM, UNV LED FLAT PANEL FIXTURE
Light Source: -
Ballast/Driver: -

Summary

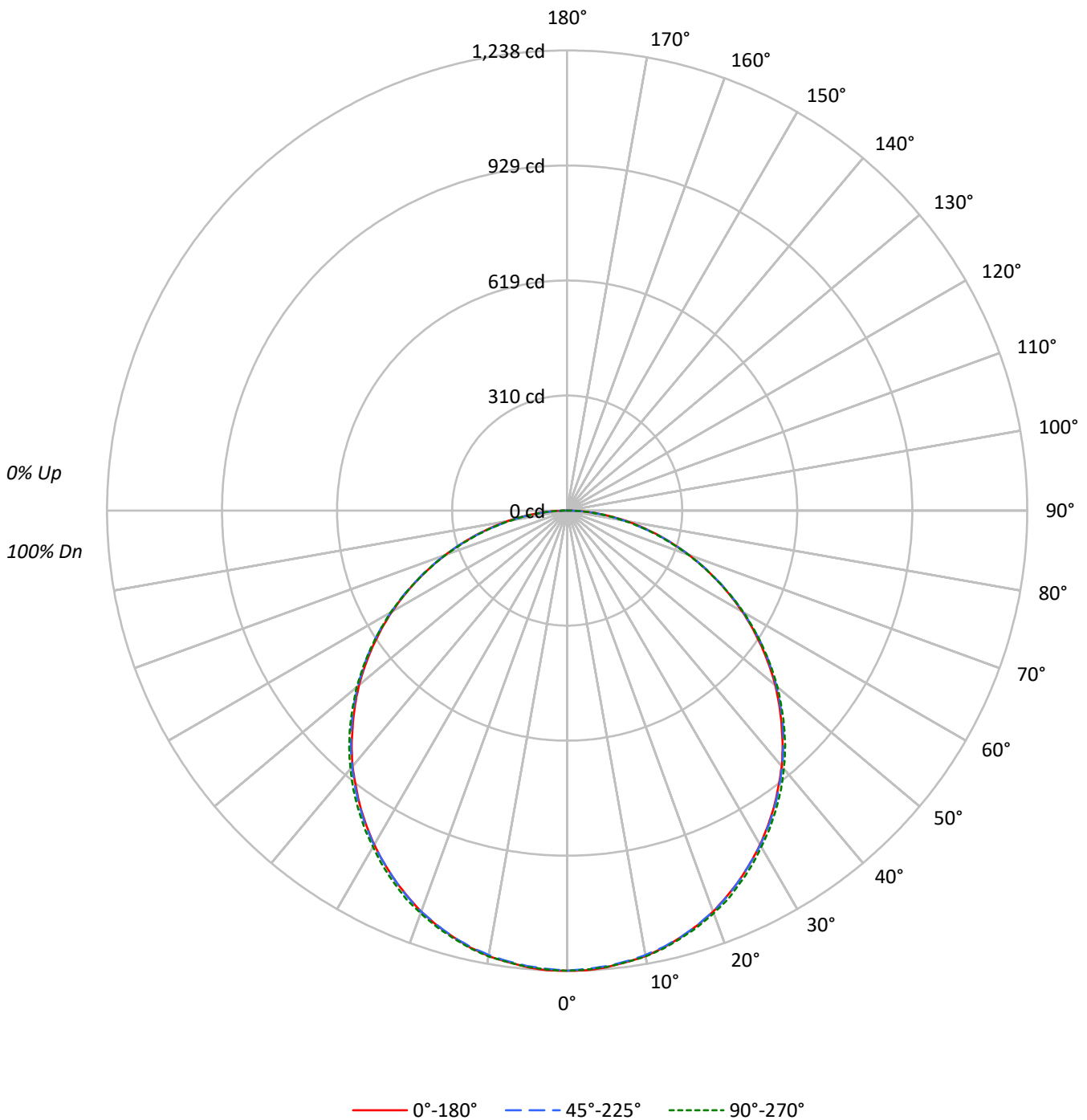
Lumens per Lamp: N/A
Luminaire Lumens: 3560.1 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 30.1
Input Voltage (V): 120.0
Input Current (Ain): 0.253
Voltage Rise (V): NR
Power Factor: 0.9968
Total Harmonic Distortion (THDi): 9.93%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 25.3
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	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°	3331	3331	3331
5°	3331	3323	3328
10°	3325	3317	3328
15°	3307	3307	3315
20°	3288	3288	3302
25°	3257	3257	3278
30°	3225	3228	3247
35°	3190	3196	3219
40°	3155	3162	3186
45°	3105	3124	3143
50°	3060	3077	3094
55°	2998	3021	3021
60°	2928	2944	2949
65°	2840	2853	2840
70°	2738	2746	2722
75°	2620	2610	2589
80°	2495	2417	2386
85°	2316	2192	2161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	3.3
10°-20°	335.1	9.4
20°-30°	506.2	14.2
30°-40°	609.0	17.1
40°-50°	632.4	17.8
50°-60°	573.6	16.1
60°-70°	442.0	12.4
70°-80°	264.3	7.4
80°-90°	80.5	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°	958.3	26.9
0°-40°	1567.3	44.0
0°-60°	2773.3	77.9
0°-90°	3560.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3560.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1233	1230	1230	1232	1232	117
15°	1187	1185	1187	1190	1190	335
25°	1097	1094	1097	1101	1104	505
35°	971	969	973	977	980	607
45°	816	815	821	822	826	630
55°	639	639	644	643	644	571
65°	446	446	448	446	446	441
75°	252	251	251	249	249	267
85°	75	72	71	70	70	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1238	1238	1238	1238	1238
2.5°	1238	1234	1234	1236	1236
5°	1233	1230	1230	1232	1232
7.5°	1225	1222	1223	1225	1225
10°	1217	1213	1214	1217	1218
12.5°	1204	1201	1202	1205	1206
15°	1187	1185	1187	1190	1190
17.5°	1169	1166	1168	1172	1173
20°	1148	1146	1148	1152	1153
22.5°	1123	1121	1124	1128	1131
25°	1097	1094	1097	1101	1104
27.5°	1068	1066	1068	1073	1076
30°	1038	1035	1039	1042	1045
32.5°	1005	1004	1007	1010	1014
35°	971	969	973	977	980
37.5°	934	934	937	940	945
40°	898	896	900	903	907
42.5°	858	856	861	863	868
45°	816	815	821	822	826
47.5°	774	774	778	780	782
50°	731	730	735	736	739
52.5°	685	686	690	690	692
55°	639	639	644	643	644
57.5°	592	592	596	595	596
60°	544	544	547	546	548
62.5°	495	495	498	496	497
65°	446	446	448	446	446
67.5°	397	397	399	396	396
70°	348	348	349	345	346
72.5°	299	299	300	297	295
75°	252	251	251	249	249
77.5°	206	204	201	200	199
80°	161	158	156	154	154
82.5°	117	115	112	111	111
85°	75	72	71	70	70
87.5°	36	34	32	33	32
90°	0	0	0	0	0

(END OF REPORT)