

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: P29730-R2

Luminaire Tested: **22FP3235C**

Test Date: 06/12/17

Test Information

Test Method: LM-79-08
Report Number: P29730-R2
Test Lab: INNOVATION CENTER(G2)
Test Date: 06/12/17
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22FP3235C
Description: 2x2,3200LM, UNV LED FLAT PANEL FIXTURE
Light Source: -
Ballast/Driver: -

Summary

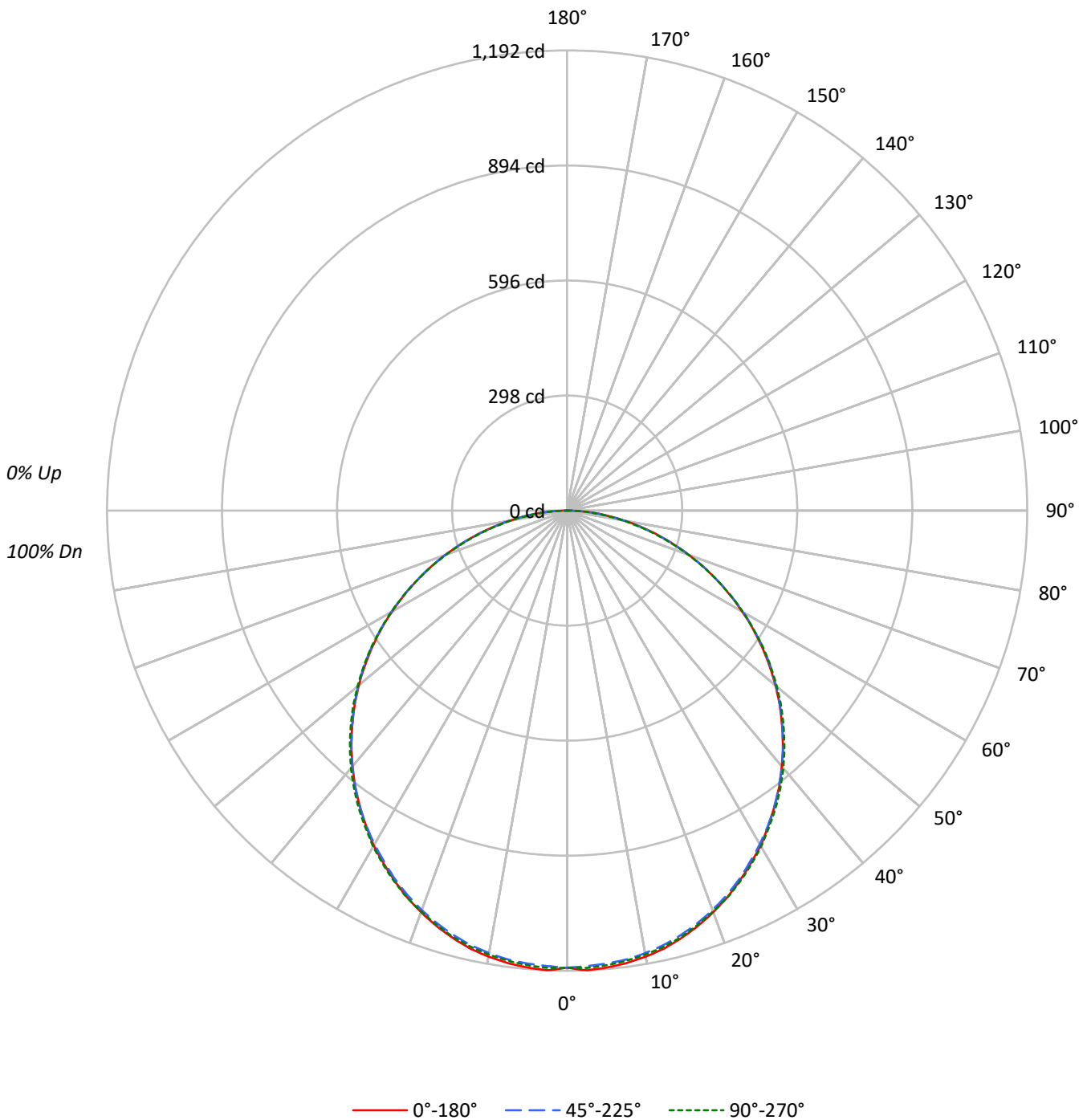
Lumens per Lamp: N/A
Luminaire Lumens: 3416.9 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.4
Input Voltage (V): 120.0
Input Current (Ain): 0.247
Voltage Rise (V): NR
Power Factor: 0.9974
Total Harmonic Distortion (THDi): 9.54%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 25.5
Test Distance: 25 FT



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CATALOG NUMBER: 22FP3235C

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3186	3186	3186
5°	3209	3182	3193
10°	3205	3181	3192
15°	3193	3170	3184
20°	3170	3153	3164
25°	3141	3130	3147
30°	3113	3101	3123
35°	3075	3075	3091
40°	3039	3042	3060
45°	2995	2999	3018
50°	2947	2956	2968
55°	2890	2904	2909
60°	2820	2836	2831
65°	2738	2744	2738
70°	2636	2644	2620
75°	2516	2506	2464
80°	2356	2325	2263
85°	2161	2130	2038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	3.3
10°-20°	321.1	9.4
20°-30°	485.4	14.2
30°-40°	584.4	17.1
40°-50°	607.3	17.8
50°-60°	551.3	16.1
60°-70°	425.3	12.4
70°-80°	253.6	7.4
80°-90°	76.4	2.2
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°	918.5	26.9
0°-40°	1502.9	44.0
0°-60°	2661.5	77.9
0°-90°	3416.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3416.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1188	1176	1178	1174	1182	113
15°	1146	1135	1138	1134	1143	323
25°	1058	1050	1054	1050	1060	488
35°	936	930	936	932	941	586
45°	787	783	788	787	793	607
55°	616	614	619	617	620	551
65°	430	428	431	429	430	426
75°	242	240	241	238	237	255
85°	70	68	69	66	66	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1184	1184	1184	1184	1184
2.5°	1192	1181	1181	1178	1186
5°	1188	1176	1178	1174	1182
7.5°	1182	1170	1173	1168	1176
10°	1173	1161	1164	1159	1168
12.5°	1162	1150	1153	1149	1157
15°	1146	1135	1138	1134	1143
17.5°	1128	1118	1121	1117	1125
20°	1107	1098	1101	1097	1105
22.5°	1084	1075	1079	1076	1085
25°	1058	1050	1054	1050	1060
27.5°	1030	1023	1026	1023	1033
30°	1002	994	998	995	1005
32.5°	969	963	968	965	973
35°	936	930	936	932	941
37.5°	902	896	901	898	907
40°	865	861	866	863	871
42.5°	827	823	828	826	833
45°	787	783	788	787	793
47.5°	747	743	748	747	752
50°	704	702	706	704	709
52.5°	661	659	664	662	665
55°	616	614	619	617	620
57.5°	571	569	573	572	573
60°	524	523	527	523	526
62.5°	477	476	479	477	478
65°	430	428	431	429	430
67.5°	383	381	384	382	382
70°	335	334	336	335	333
72.5°	288	286	289	287	284
75°	242	240	241	238	237
77.5°	195	193	194	192	190
80°	152	150	150	148	146
82.5°	110	108	108	106	105
85°	70	68	69	66	66
87.5°	32	31	32	31	30
90°	0	0	0	0	0

(END OF REPORT)