

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: **22FP3250C**

Test Date: 06/13/17

Test Information

Test Method: LM-79-08
Report Number: P29731-R2
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (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: 22FP3250C
Description: 2x2,3200LM, UNV LED FLAT PANEL FIXTURE
Light Source: -
Ballast/Driver: -

Summary

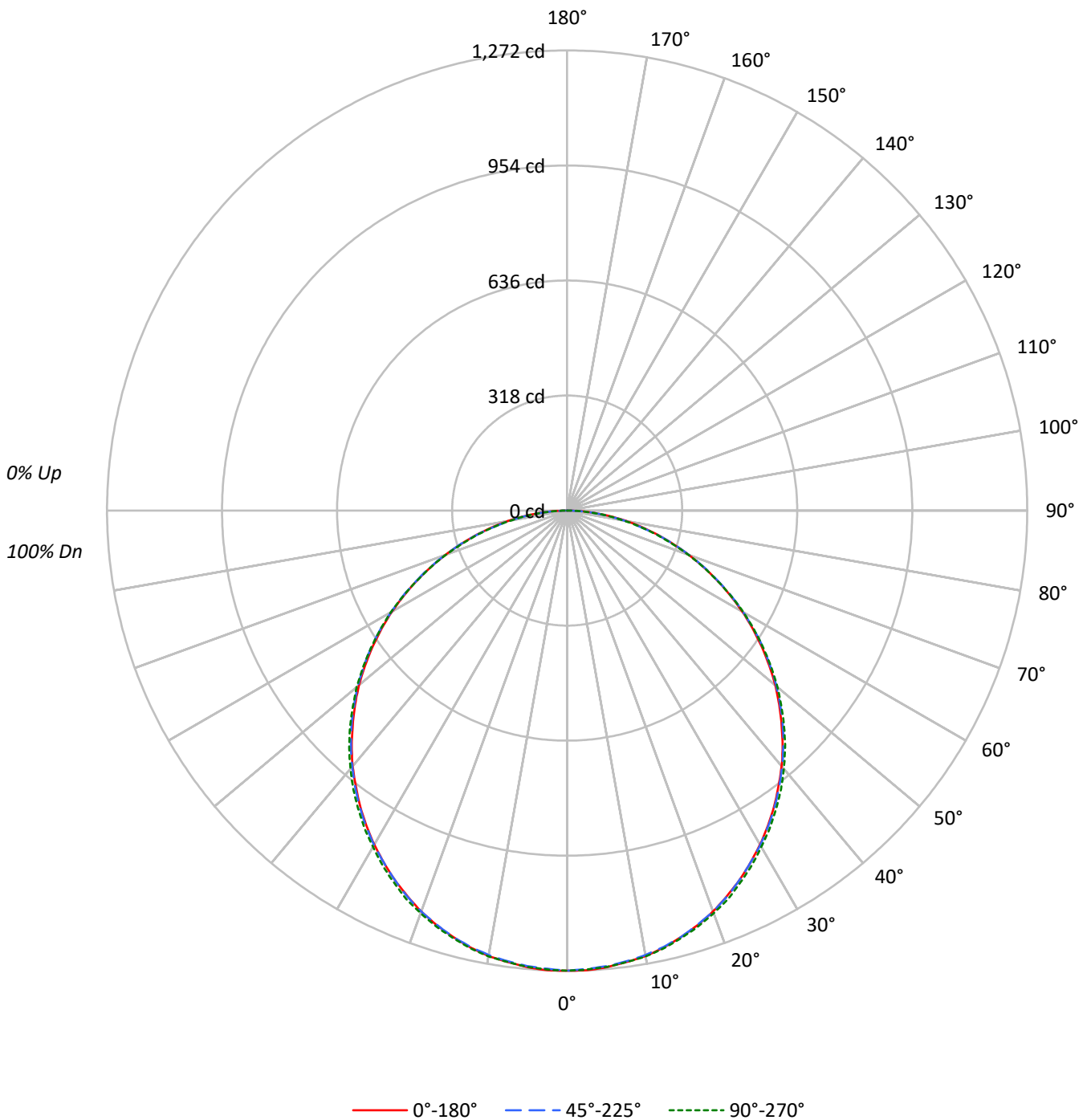
Lumens per Lamp: N/A
Luminaire Lumens: 3657.8 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P29731-R2
CATALOG NUMBER: 22FP3250C

Luminous Intensity Polar Plot





TEST NUMBER: P29731-R2
 CATALOG NUMBER: 22FP3250C

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°	3423	3423	3423
5°	3422	3414	3420
10°	3416	3408	3419
15°	3398	3398	3406
20°	3377	3377	3392
25°	3346	3346	3368
30°	3314	3317	3336
35°	3277	3284	3307
40°	3241	3248	3274
45°	3191	3210	3230
50°	3144	3162	3179
55°	3080	3104	3104
60°	3008	3025	3030
65°	2918	2930	2918
70°	2813	2821	2797
75°	2693	2681	2661
80°	2565	2484	2453
85°	2377	2251	2223



TEST NUMBER: P29731-R2
 CATALOG NUMBER: 22FP3250C

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	3.3
10°-20°	344.3	9.4
20°-30°	520.0	14.2
30°-40°	625.7	17.1
40°-50°	649.7	17.8
50°-60°	589.3	16.1
60°-70°	454.2	12.4
70°-80°	271.6	7.4
80°-90°	82.7	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°	984.6	26.9
0°-40°	1610.3	44.0
0°-60°	2849.3	77.9
0°-90°	3657.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3657.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1272	1272	1272	1272	1272	
5°	1267	1264	1264	1266	1266	120
15°	1220	1218	1220	1223	1223	344
25°	1127	1124	1127	1131	1134	519
35°	998	996	1000	1004	1007	624
45°	838	837	844	845	849	647
55°	656	656	662	661	662	587
65°	458	458	460	458	458	454
75°	259	258	258	256	256	274
85°	77	74	73	72	72	86
90°	0	0	0	0	0	



TEST NUMBER: P29731-R2
 CATALOG NUMBER: 22FP3250C

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1271.9	1271.9	1271.9	1271.9	1271.9
2.5°	1271.9	1267.8	1267.8	1269.9	1269.9
5°	1266.8	1263.8	1263.8	1265.9	1265.9
7.5°	1258.7	1255.5	1256.6	1258.7	1258.7
10°	1250.3	1246.2	1247.3	1250.3	1251.4
12.5°	1237.0	1234.0	1235.0	1238.1	1239.0
15°	1219.6	1217.5	1219.6	1222.7	1222.7
17.5°	1201.1	1198.1	1199.9	1204.2	1205.2
20°	1179.4	1177.4	1179.4	1183.7	1184.6
22.5°	1153.8	1151.8	1154.8	1159.0	1162.0
25°	1127.0	1124.0	1127.0	1131.2	1134.2
27.5°	1097.2	1095.3	1097.2	1102.4	1105.5
30°	1066.4	1063.3	1067.6	1070.6	1073.7
32.5°	1032.6	1031.5	1034.6	1037.7	1041.8
35°	997.6	995.6	999.8	1003.8	1006.8
37.5°	959.6	959.6	962.7	965.8	970.9
40°	922.6	920.6	924.6	927.8	931.9
42.5°	881.5	879.5	884.6	886.7	891.8
45°	838.4	837.4	843.5	844.6	848.7
47.5°	795.2	795.2	799.3	801.5	803.5
50°	751.1	750.0	755.2	756.2	759.3
52.5°	703.8	704.9	708.9	708.9	711.0
55°	656.5	656.5	661.7	660.6	661.7
57.5°	608.3	608.3	612.3	611.3	612.3
60°	558.9	558.9	562.1	561.0	563.0
62.5°	508.6	508.6	511.7	509.7	510.6
65°	458.2	458.2	460.2	458.2	458.2
67.5°	407.9	407.9	409.9	406.8	406.8
70°	357.5	357.5	358.6	354.4	355.5
72.5°	307.2	307.2	308.3	305.1	303.0
75°	259.0	257.9	257.9	255.9	255.9
77.5°	211.6	209.6	206.4	205.5	204.6
80°	165.5	162.3	160.3	158.3	158.3
82.5°	120.2	118.1	115.2	114.0	114.0
85°	77.0	73.9	72.9	72.0	72.0
87.5°	37.0	34.8	33.0	33.9	33.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)