

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: P303255

Luminaire Tested: **22FP4250C-347V**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22FP4250C-347V
Description: 347V 2x2 4200 LUMEN LED FLAT PANEL LUMINAIRE WITH 5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

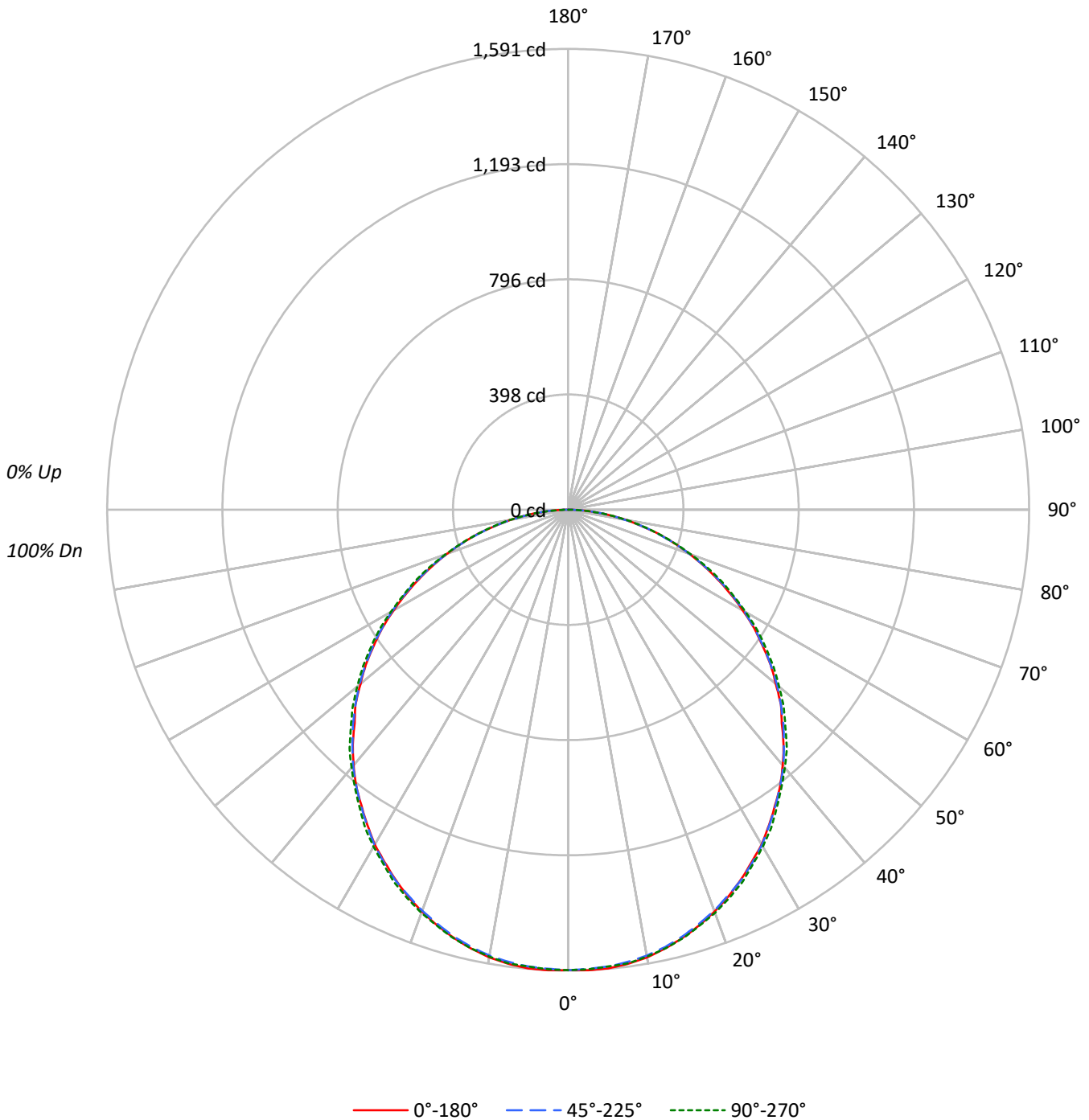
Lumens per Lamp: N/A
Luminaire Lumens: 4572.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.3
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): 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	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	75		81	77	73		78	75	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	69	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	38	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°	4278	4278	4278
5°	4294	4276	4276
10°	4289	4271	4280
15°	4262	4248	4266
20°	4228	4218	4243
25°	4186	4191	4216
30°	4148	4153	4174
35°	4090	4096	4123
40°	4046	4058	4087
45°	3965	3997	4035
50°	3916	3937	3979
55°	3842	3858	3905
60°	3745	3772	3807
65°	3625	3657	3710
70°	3497	3510	3549
75°	3358	3323	3358
80°	3121	3070	3174
85°	2723	2776	2723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	3.3
10°-20°	430.9	9.4
20°-30°	650.7	14.2
30°-40°	782.4	17.1
40°-50°	811.6	17.8
50°-60°	736.8	16.1
60°-70°	568.4	12.4
70°-80°	339.5	7.4
80°-90°	101.0	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°	1232.2	27.0
0°-40°	2014.6	44.1
0°-60°	3563.1	77.9
0°-90°	4572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1590	1590	1590	1590	1590	
5°	1590	1585	1583	1583	1583	151
15°	1530	1528	1525	1526	1531	432
25°	1410	1410	1412	1413	1420	650
35°	1245	1250	1247	1250	1255	780
45°	1042	1049	1050	1055	1060	807
55°	819	822	822	827	832	733
65°	569	573	574	578	583	564
75°	323	320	320	321	323	339
85°	88	90	90	88	88	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1589.6	1589.6	1589.6	1589.6	1589.6
2.5°	1591.3	1591.3	1586.3	1588.0	1588.0
5°	1589.6	1584.7	1583.0	1583.0	1583.0
7.5°	1581.3	1576.4	1574.7	1576.4	1579.7
10°	1569.7	1563.1	1563.1	1563.1	1566.4
12.5°	1551.3	1548.0	1546.4	1544.7	1551.3
15°	1529.8	1528.1	1524.8	1526.4	1531.4
17.5°	1504.7	1501.4	1499.8	1504.7	1506.4
20°	1476.4	1473.1	1473.1	1478.1	1481.5
22.5°	1444.9	1444.9	1441.6	1446.5	1451.5
25°	1409.9	1409.9	1411.6	1413.2	1419.9
27.5°	1371.6	1373.3	1374.9	1378.2	1379.9
30°	1335.0	1333.3	1336.6	1339.9	1343.3
32.5°	1290.0	1293.4	1291.7	1300.0	1303.3
35°	1245.1	1250.1	1246.8	1250.1	1255.1
37.5°	1201.8	1203.5	1201.8	1208.5	1208.5
40°	1151.9	1151.9	1155.2	1160.2	1163.5
42.5°	1100.2	1101.9	1101.9	1108.6	1116.9
45°	1042.0	1048.6	1050.3	1055.3	1060.3
47.5°	995.4	993.8	995.4	1000.4	1008.7
50°	935.4	938.9	940.5	945.5	950.5
52.5°	880.5	882.2	882.2	887.2	893.8
55°	819.0	822.3	822.3	827.3	832.3
57.5°	760.7	759.0	762.3	767.3	774.1
60°	695.8	695.8	700.8	704.1	707.4
62.5°	632.5	634.2	637.5	642.5	642.5
65°	569.3	572.6	574.3	577.6	582.6
67.5°	506.0	507.7	509.3	512.6	517.6
70°	444.5	444.5	446.1	449.5	451.1
72.5°	382.8	381.2	381.2	387.8	386.1
75°	323.0	319.6	319.6	321.3	323.0
77.5°	258.0	256.3	259.6	261.3	261.3
80°	201.4	199.8	198.1	199.8	204.8
82.5°	143.1	143.1	141.4	143.1	143.1
85°	88.2	89.9	89.9	88.2	88.2
87.5°	41.6	40.0	40.0	38.3	36.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)