

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: P29725

Luminaire Tested: **22FP4250C**

Test Date: 06/13/17

Test Information

Test Method: LM-79-08
Report Number: P29725
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P29725)
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: 22FP4250C
Description: 2x2, 4200LM, UNV LED FLAT PANEL FIXTURE
Light Source: -
Ballast/Driver: -

Summary

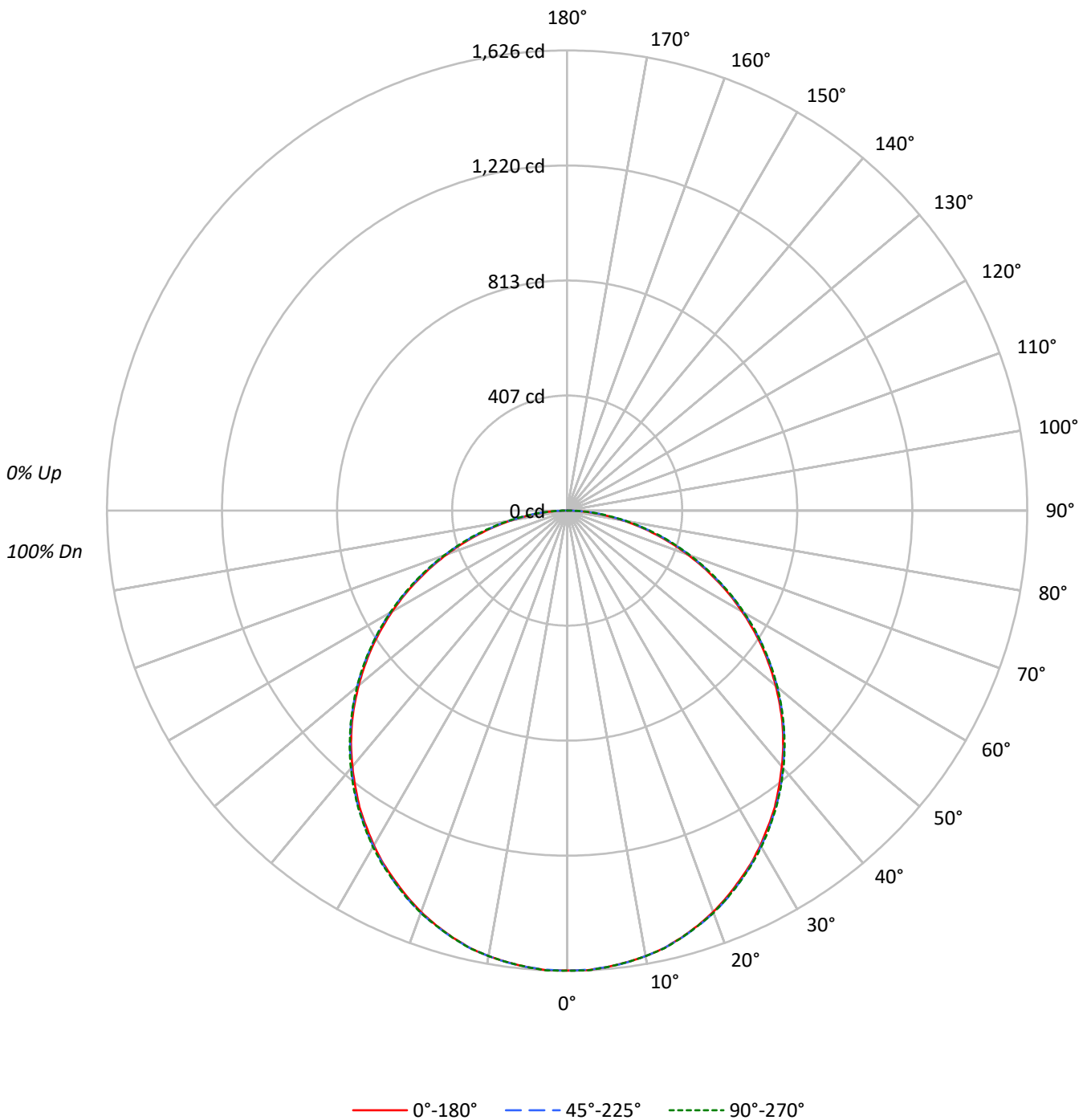
Lumens per Lamp: N/A
Luminaire Lumens: 4692.4 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 39.3
Input Voltage (V): 120.0
Input Current (Ain): 0.330
Voltage Rise (V): NR
Power Factor: 0.9968
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 25.1
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	51	49
5	75	62	53	46	73	61	53	46	59	51	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	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	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	33	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°	4374	4374	4374
5°	4374	4374	4374
10°	4368	4368	4368
15°	4351	4353	4353
20°	4322	4331	4331
25°	4280	4295	4295
30°	4243	4256	4265
35°	4202	4219	4222
40°	4147	4168	4176
45°	4098	4117	4121
50°	4026	4056	4060
55°	3948	3982	3982
60°	3842	3887	3887
65°	3716	3762	3775
70°	3557	3621	3637
75°	3355	3450	3482
80°	3090	3185	3265
85°	2788	2949	2983



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	3.3
10°-20°	440.5	9.4
20°-30°	665.9	14.2
30°-40°	802.1	17.1
40°-50°	833.6	17.8
50°-60°	757.1	16.1
60°-70°	584.0	12.4
70°-80°	349.4	7.4
80°-90°	106.1	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°	1260.1	26.9
0°-40°	2062.2	43.9
0°-60°	3652.9	77.8
0°-90°	4692.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4692.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1625	1625	1625	1625	1625	
5°	1619	1611	1619	1618	1619	154
15°	1562	1556	1563	1564	1563	441
25°	1442	1439	1446	1448	1446	665
35°	1279	1279	1284	1285	1285	799
45°	1077	1078	1082	1085	1083	830
55°	842	845	849	853	849	751
65°	584	587	591	594	593	577
75°	323	327	332	335	335	342
85°	90	92	96	97	97	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1625.4	1625.4	1625.4	1625.4	1625.4
2.5°	1625.4	1618.1	1624.3	1624.3	1626.5
5°	1619.3	1610.9	1619.3	1618.1	1619.3
7.5°	1610.0	1602.8	1610.9	1610.0	1610.0
10°	1598.7	1591.5	1598.7	1598.7	1598.7
12.5°	1583.2	1576.1	1583.2	1583.2	1584.3
15°	1561.7	1555.6	1562.6	1563.8	1562.6
17.5°	1537.1	1531.9	1539.1	1539.1	1538.0
20°	1509.3	1505.3	1512.5	1512.5	1512.5
22.5°	1477.4	1474.3	1481.6	1482.6	1480.6
25°	1441.5	1439.3	1446.5	1447.7	1446.5
27.5°	1406.6	1402.5	1409.7	1411.7	1411.7
30°	1365.5	1362.5	1369.6	1371.5	1372.7
32.5°	1322.3	1322.3	1328.4	1329.5	1329.5
35°	1279.2	1279.2	1284.2	1285.3	1285.3
37.5°	1229.9	1231.8	1237.0	1238.1	1239.0
40°	1180.5	1181.6	1186.6	1188.8	1188.8
42.5°	1130.2	1131.2	1135.3	1138.3	1137.4
45°	1076.8	1077.8	1081.8	1085.0	1082.9
47.5°	1020.2	1022.4	1026.5	1028.4	1027.4
50°	961.7	963.7	968.9	970.9	969.8
52.5°	902.0	905.2	909.3	912.4	910.3
55°	841.5	844.6	848.7	852.8	848.7
57.5°	777.8	781.8	786.0	790.2	787.1
60°	713.9	718.2	722.3	723.3	722.3
62.5°	649.3	652.5	656.5	660.6	658.6
65°	583.6	586.7	590.8	593.8	592.8
67.5°	517.8	521.0	525.0	529.1	528.0
70°	452.1	456.2	460.2	462.3	462.3
72.5°	387.3	388.4	395.7	399.7	398.6
75°	322.7	326.6	331.8	334.9	334.9
77.5°	260.9	264.0	268.1	272.4	272.4
80°	199.4	201.4	205.5	210.7	210.7
82.5°	143.9	145.9	150.0	152.0	152.0
85°	90.3	92.4	95.5	96.6	96.6
87.5°	42.0	43.2	44.2	44.2	45.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)