

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: P856530

Luminaire Tested: **22MMS-L3C3-UNV-HIGH-3500K**

Issue Date: 7/30/2024



**Test Information**

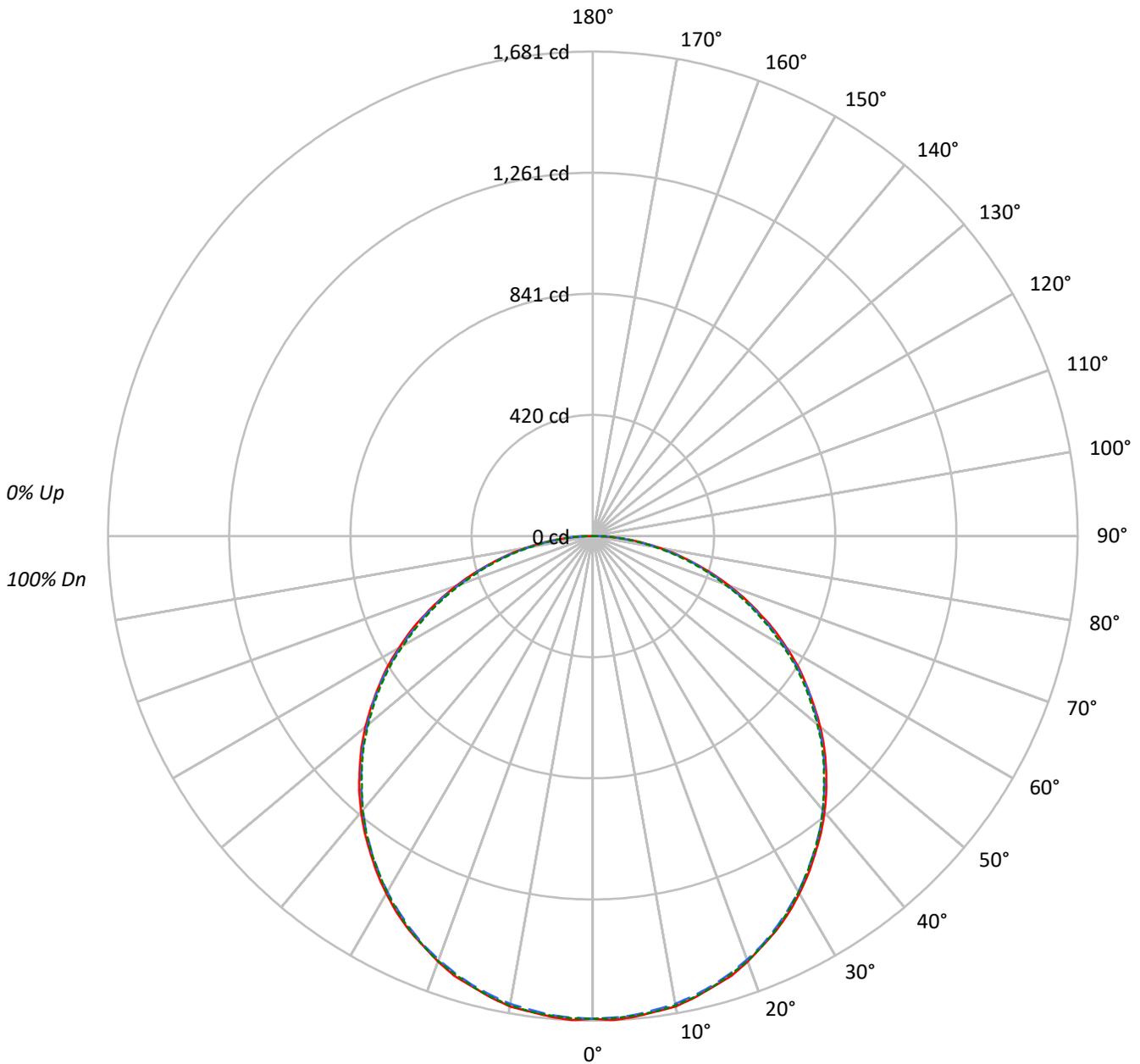
Test Method: LM-79-08  
Report Number: P856530  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22MMS-L3C3-UNV-HIGH-3500K  
Description: 2x2 Multi-mount Selectable Direct Mound LED Backlit Panel at HIGH and 3500K settings  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4948.0 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P856530  
CATALOG NUMBER: 22MMS-L3C3-UNV-HIGH-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P856530

CATALOG NUMBER: 22MMS-L3C3-UNV-HIGH-3500K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57																			
4	82	69	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5364	5364	5364
5°	5381	5362	5369
10°	5388	5358	5376
15°	5366	5348	5361
20°	5353	5329	5348
25°	5329	5302	5318
30°	5297	5269	5277
35°	5254	5227	5232
40°	5224	5186	5189
45°	5178	5143	5129
50°	5127	5085	5062
55°	5052	5040	4992
60°	4971	4921	4867
65°	4846	4799	4723
70°	4702	4601	4529
75°	4487	4458	4343
80°	4297	4168	4026
85°	3884	3799	3741



TEST NUMBER: P856530

CATALOG NUMBER: 22MMS-L3C3-UNV-HIGH-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.6	3.2
10°-20°	455.7	9.2
20°-30°	692.5	14.0
30°-40°	838.3	16.9
40°-50°	876.9	17.7
50°-60°	803.5	16.2
60°-70°	625.6	12.6
70°-80°	379.0	7.7
80°-90°	117.8	2.4
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°	1306.9	26.4
0°-40°	2145.2	43.4
0°-60°	3825.6	77.3
0°-90°	4948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4948.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1675	1675	1675	1675	1675	
5°	1674	1669	1668	1664	1670	159
15°	1618	1615	1613	1613	1617	457
25°	1508	1504	1500	1500	1505	695
35°	1344	1342	1337	1337	1338	842
45°	1143	1141	1136	1132	1132	882
55°	905	902	903	895	894	810
65°	640	636	633	625	623	634
75°	363	365	360	354	351	386
85°	106	107	103	102	102	120
90°	0	0	0	0	0	



TEST NUMBER: P856530

CATALOG NUMBER: 22MMS-L3C3-UNV-HIGH-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1674.8	1674.8	1674.8	1674.8	1674.8
2.5°	1680.9	1674.0	1672.4	1670.1	1674.8
5°	1674.0	1669.4	1667.8	1664.0	1670.1
7.5°	1664.7	1660.9	1657.8	1657.0	1664.0
10°	1657.0	1649.3	1647.8	1646.2	1653.2
12.5°	1639.3	1633.9	1631.6	1630.0	1637.7
15°	1618.4	1614.6	1613.0	1613.0	1616.9
17.5°	1599.2	1591.4	1589.9	1589.1	1593.8
20°	1570.6	1566.8	1563.7	1562.9	1569.1
22.5°	1538.2	1535.9	1535.1	1532.8	1538.2
25°	1508.1	1504.3	1500.4	1500.4	1505.0
27.5°	1472.6	1468.0	1463.4	1464.2	1467.2
30°	1432.5	1427.9	1424.8	1424.8	1427.1
32.5°	1390.1	1385.5	1382.4	1382.4	1383.2
35°	1343.8	1342.3	1336.9	1336.9	1338.4
37.5°	1299.1	1296.8	1291.4	1292.1	1292.1
40°	1249.7	1245.1	1240.4	1238.9	1241.2
42.5°	1198.8	1194.9	1188.0	1188.8	1185.7
45°	1143.3	1140.9	1135.5	1132.5	1132.5
47.5°	1088.5	1083.1	1081.5	1078.5	1077.7
50°	1029.1	1026.0	1020.6	1018.3	1016.0
52.5°	966.6	965.8	962.0	957.3	955.0
55°	904.9	901.8	902.6	894.9	894.1
57.5°	844.7	840.1	836.2	828.5	830.1
60°	776.1	772.2	768.3	766.0	759.9
62.5°	711.3	705.9	699.7	695.8	692.0
65°	639.5	636.4	633.3	624.9	623.3
67.5°	572.4	570.1	565.5	560.1	556.2
70°	502.2	498.3	491.4	487.5	483.7
72.5°	434.3	430.5	426.6	422.0	417.3
75°	362.6	364.9	360.3	354.1	351.0
77.5°	300.1	297.0	293.1	287.0	285.4
80°	233.0	230.7	226.0	222.2	218.3
82.5°	168.9	168.2	164.3	161.2	159.7
85°	105.7	107.2	103.4	101.8	101.8
87.5°	50.9	51.7	50.1	51.7	52.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)