

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: P856471

Luminaire Tested: **4MMS6-L3C5-UNV-HIGH-5000K**

Issue Date: 7/30/2024



**Test Information**

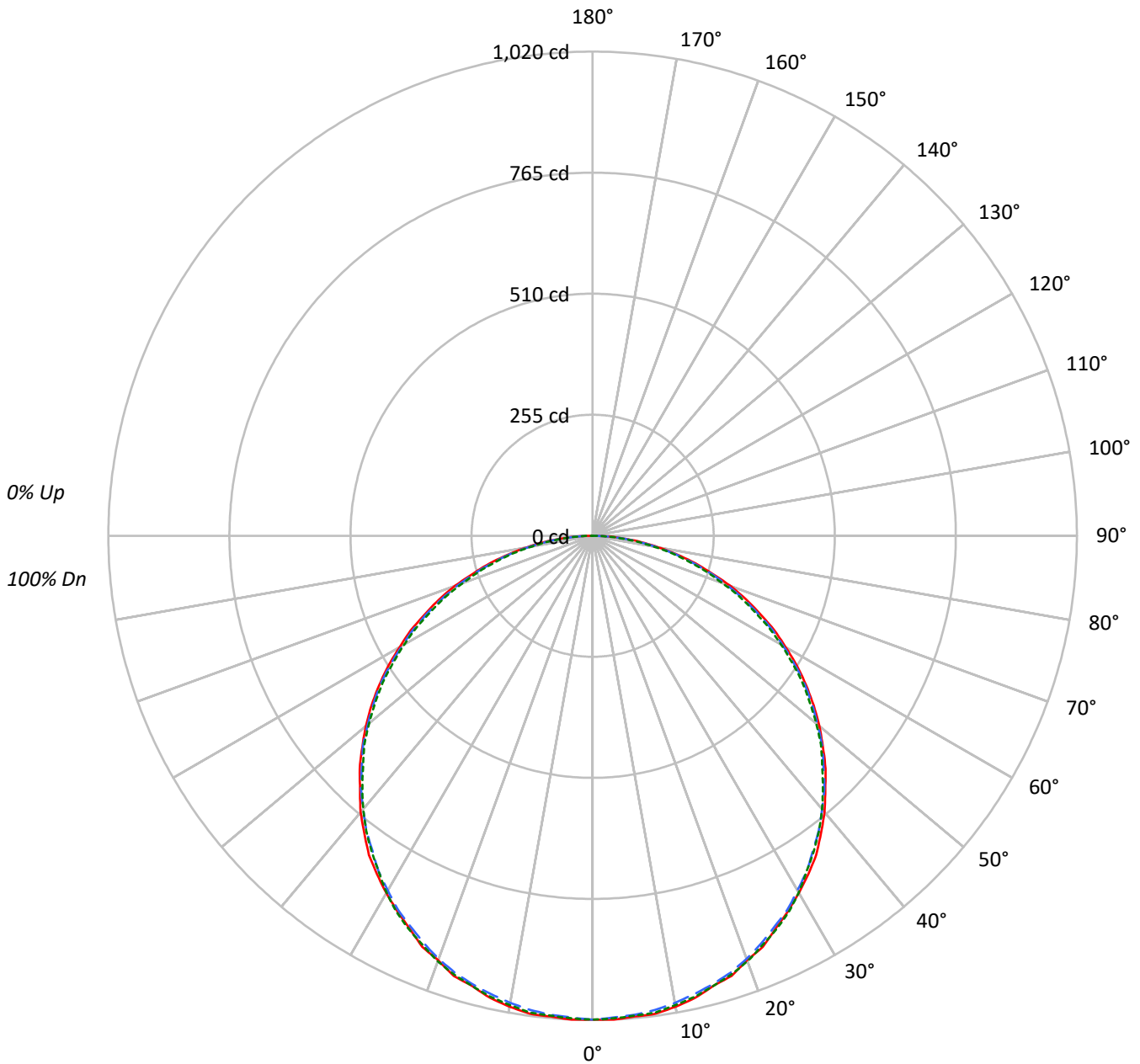
Test Method: LM-79-08  
Report Number: P856471  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-156-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4MMS6-L3C5-UNV-HIGH-5000K  
Description: 4x6" Multi-mount Selectable Direct Mound LED Backlit Panel at HIGH and 5000K settings  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3000.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 0.33' x L: 3.83' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 33  
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

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### Luminous Intensity Polar Plot





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**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	94	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	58																			
4	82	70	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	45	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32																			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	23																			

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

	0°	45°	90°
0°	8587	8587	8587
5°	8596	8566	8581
10°	8617	8546	8586
15°	8561	8528	8561
20°	8526	8502	8551
25°	8481	8438	8507
30°	8453	8391	8444
35°	8444	8321	8348
40°	8360	8268	8268
45°	8265	8188	8144
50°	8172	8100	8052
55°	8062	8007	7926
60°	7912	7802	7725
65°	7742	7612	7467
70°	7588	7362	7135
75°	7297	7027	6845
80°	6801	6578	6311
85°	6331	5886	5616



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.6	3.2
10°-20°	277.4	9.2
20°-30°	421.0	14.0
30°-40°	509.5	17.0
40°-50°	532.2	17.7
50°-60°	486.4	16.2
60°-70°	378.7	12.6
70°-80°	228.8	7.6
80°-90°	69.3	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°	795.0	26.5
0°-40°	1304.5	43.5
0°-60°	2323.2	77.4
0°-90°	3000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1019	1019	1019	1019	1019	
5°	1017	1019	1013	1017	1015	97
15°	982	984	978	984	982	278
25°	912	918	908	915	915	421
35°	821	817	809	812	812	512
45°	694	698	687	686	684	535
55°	549	551	545	540	540	490
65°	388	386	382	376	375	386
75°	224	220	216	211	210	236
85°	66	64	61	58	58	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1019.4	1019.4	1019.4	1019.4	1019.4
2.5°	1020.3	1023.1	1015.7	1021.3	1017.6
5°	1016.6	1019.4	1013.0	1016.6	1014.8
7.5°	1015.7	1013.0	1007.4	1011.1	1013.0
10°	1007.4	1006.5	999.1	1005.6	1003.7
12.5°	997.3	998.2	989.0	997.3	994.5
15°	981.6	984.4	977.9	984.4	981.6
17.5°	972.4	971.4	965.0	969.6	969.6
20°	951.1	956.7	948.4	953.0	953.9
22.5°	937.3	936.4	929.0	929.9	933.6
25°	912.4	917.9	907.8	915.2	915.2
27.5°	891.2	894.9	888.4	891.2	893.9
30°	869.0	870.0	862.6	866.3	868.1
32.5°	845.1	846.9	838.6	841.4	838.6
35°	821.1	817.4	809.1	811.8	811.8
37.5°	789.7	790.6	782.3	784.2	783.2
40°	760.2	761.1	751.9	752.8	751.9
42.5°	725.1	727.9	722.4	720.5	717.7
45°	693.8	698.4	687.3	686.4	683.6
47.5°	657.8	660.5	655.9	650.4	652.2
50°	623.6	626.4	618.1	616.3	614.4
52.5°	586.7	589.5	582.1	578.4	576.6
55°	548.9	550.8	545.2	539.7	539.7
57.5°	510.2	510.2	504.6	500.0	498.2
60°	469.6	470.5	463.1	459.4	458.5
62.5°	431.8	432.7	424.4	419.8	417.9
65°	388.4	386.5	381.9	376.4	374.6
67.5°	349.6	347.8	340.4	336.7	334.9
70°	308.1	303.5	298.9	294.3	289.7
72.5°	262.9	262.0	257.4	252.8	250.0
75°	224.2	220.5	215.9	211.3	210.3
77.5°	181.7	180.8	177.1	171.6	171.6
80°	140.2	140.2	135.6	132.8	130.1
82.5°	104.2	102.4	97.8	95.0	93.2
85°	65.5	63.7	60.9	58.1	58.1
87.5°	29.5	27.7	27.7	25.8	25.8
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)