

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P892626

Luminaire Tested: 2MB-3SL-ASYMR-UNV-L935

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P892626  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2410-248-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 2MB-3SL-ASYMR-UNV-L935  
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 90CRI, 3500K CCT  
Light Source: -  
Ballast/Driver: -

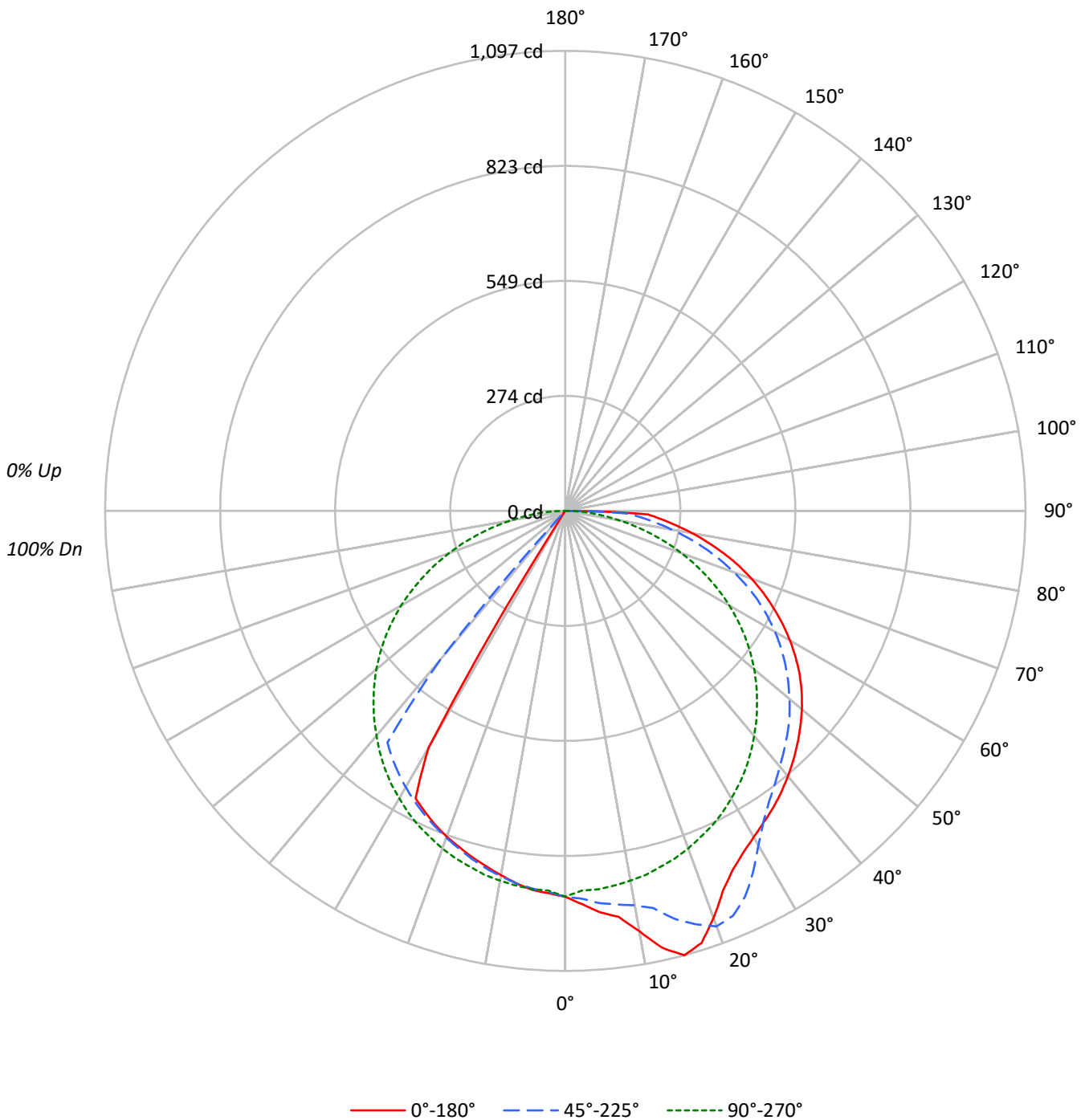
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2489.0 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.25  
Luminous Opening: Rectangular (W 0.21' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 21  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.998  
Total Harmonic Distortion (THDi): 8  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	85	85	85	83	
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	71	71	71	69	
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	61	61	61	59	
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	53	53	53	50	
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	46	46	46	44	
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	41	41	41	39	
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	36	36	36	35	
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	33	33	33	31	
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	30	30	30	28	
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	32	27	27	27	27	26	

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

	0°	45°	90°	135°	180°
0°	24017	24017	24017	24017	24017
5°	25186	24606	23736	23694	23778
10°	26985	25310	23732	23451	23382
15°	29651	27229	23740	23226	23112
20°	28706	29292	23802	23041	22969
25°	27200	29233	23861	22965	22798
30°	27081	27750	23858	22936	19632
35°	27541	26986	23898	22938	268
40°	28138	27115	23864	15821	181
45°	28910	27662	23870	292	118
50°	29918	28355	23883	215	45
55°	31057	29163	23815	146	23
60°	32301	30155	23607	57	26
65°	33817	31345	23172	68	68
70°	36076	32656	22442	84	84
75°	39492	34761	21476	212	111
80°	46338	38895	19876	316	165
85°	68958	54609	18632	479	330

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 87.5°  
 Luminance: 118271 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.2	3.5
10°-20°	263.2	10.6
20°-30°	404.6	16.3
30°-40°	433.6	17.4
40°-50°	393.8	15.8
50°-60°	359.2	14.4
60°-70°	267.2	10.7
70°-80°	188.1	7.6
80°-90°	91.1	3.7
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°	756.0	30.4
0°-40°	1189.6	47.8
0°-60°	1942.6	78.0
0°-90°	2489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2489.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	920	920	920	920	920	
5°	961	939	906	904	907	93
15°	1097	1007	878	859	855	303
25°	944	1015	828	797	791	439
35°	864	847	750	720	8	541
45°	783	749	646	8	3	605
55°	682	641	523	3	0	609
65°	547	507	375	1	1	542
75°	392	345	213	2	1	413
85°	230	182	62	2	1	231
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	919.9	919.9	919.9	919.9	919.9	919.9	919.9	919.9	919.9
2.5°	938.9	928.4	925.7	933.1	906.2	924.2	909.4	912.6	912.6
5°	961.0	946.3	938.9	936.8	905.7	917.8	904.1	904.1	907.3
7.5°	976.3	960.0	946.8	941.5	901.0	911.5	895.7	895.7	895.7
10°	1017.9	987.4	954.7	945.2	895.2	903.1	884.6	885.7	882.0
12.5°	1066.9	1039.5	970.0	943.6	888.9	892.5	873.0	872.5	868.3
15°	1097.0	1076.4	1007.4	941.5	878.3	881.5	859.3	857.8	855.1
17.5°	1080.1	1077.0	1033.2	940.0	868.8	866.2	844.1	842.5	840.4
20°	1033.2	1041.1	1054.3	936.8	856.7	851.4	829.3	828.3	826.7
22.5°	981.1	989.0	1044.8	942.1	842.0	835.6	813.5	812.5	810.3
25°	944.2	944.2	1014.8	954.7	828.3	816.7	797.2	795.6	791.4
27.5°	918.4	913.6	970.0	968.9	810.9	797.7	779.8	778.2	772.9
30°	898.3	890.4	920.5	975.8	791.4	777.2	760.8	759.2	651.2
32.5°	880.4	872.0	878.8	981.6	771.9	755.0	740.8	528.5	23.2
35°	864.1	854.6	846.7	977.4	749.8	732.9	719.7	15.3	8.4
37.5°	845.6	838.3	820.4	955.2	726.0	709.2	696.5	8.4	7.4
40°	825.6	818.8	795.6	922.6	700.2	686.0	464.2	7.4	5.3
42.5°	805.1	799.8	772.4	875.2	674.4	660.2	14.8	5.8	4.2
45°	783.0	778.2	749.2	817.7	646.5	633.3	7.9	4.2	3.2
47.5°	760.3	753.4	725.0	756.1	618.0	604.9	6.8	3.2	2.1
50°	736.6	729.2	698.1	701.8	588.0	574.8	5.3	2.1	1.1
52.5°	710.2	701.3	669.7	652.8	556.4	544.3	4.2	1.1	0.5
55°	682.3	672.3	640.7	610.1	523.2	509.5	3.2	1.1	0.5
57.5°	651.2	640.2	610.1	569.6	487.9	344.6	2.1	1.1	0.5
60°	618.6	607.5	577.5	531.6	452.1	23.7	1.1	1.1	0.5
62.5°	583.8	572.2	543.2	493.2	413.6	19.5	1.1	1.1	1.1
65°	547.4	533.7	507.4	453.6	375.1	16.3	1.1	1.1	1.1
67.5°	511.1	493.7	468.9	413.1	335.6	13.7	1.1	1.1	1.1
70°	472.6	453.6	427.8	372.0	294.0	11.1	1.1	1.1	1.1
72.5°	433.1	414.7	386.7	330.4	255.0	8.4	1.1	1.1	1.1
75°	391.5	374.6	344.6	288.7	212.9	6.3	2.1	1.1	1.1
77.5°	348.3	335.1	301.4	246.1	171.8	4.2	2.1	1.1	1.1
80°	308.2	293.5	258.7	202.9	132.2	3.2	2.1	1.6	1.1
82.5°	267.1	254.0	219.2	163.3	94.8	2.6	2.1	1.6	1.1
85°	230.2	217.6	182.3	127.5	62.2	2.1	1.6	1.6	1.1
87.5°	197.6	186.0	151.2	93.3	35.3	1.6	1.6	1.6	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	25.58	27.19	25.94	27.50	27.82	21.01	22.62	21.37	22.94	23.25
	3H	28.02	29.49	28.40	29.81	30.17	21.65	23.12	22.03	23.44	23.80
	4H	29.15	30.53	29.55	30.88	31.25	21.80	23.18	22.19	23.53	23.90
	6H	30.24	31.52	30.65	31.89	32.28	21.84	23.12	22.25	23.49	23.88
	8H	30.77	32.00	31.19	32.39	32.79	21.82	23.05	22.25	23.44	23.84
	12H	31.34	32.52	31.77	32.90	33.33	21.81	22.98	22.24	23.37	23.79
4H	2H	26.23	27.62	26.63	27.96	28.34	22.14	23.52	22.53	23.87	24.24
	3H	28.92	30.09	29.33	30.49	30.89	23.48	24.65	23.89	25.04	25.44
	4H	30.22	31.28	30.65	31.69	32.13	24.01	25.08	24.44	25.49	25.92
	6H	31.50	32.43	31.95	32.87	33.33	24.29	25.22	24.74	25.66	26.12
	8H	32.13	33.00	32.59	33.44	33.91	24.33	25.20	24.79	25.64	26.11
	12H	32.81	33.60	33.29	34.08	34.55	24.34	25.13	24.82	25.60	26.07
8H	4H	30.58	31.46	31.04	31.90	32.36	24.96	25.84	25.42	26.28	26.74
	6H	32.06	32.80	32.56	33.29	33.76	25.55	26.29	26.04	26.77	27.25
	8H	32.85	33.51	33.35	34.02	34.50	25.73	26.39	26.24	26.90	27.38
	12H	33.74	34.33	34.24	34.82	35.38	25.83	26.42	26.34	26.91	27.47
12H	4H	30.62	31.41	31.10	31.89	32.36	25.18	25.97	25.66	26.44	26.91
	6H	32.15	32.82	32.66	33.32	33.81	25.90	26.57	26.41	27.07	27.56
	8H	33.03	33.62	33.54	34.11	34.67	26.21	26.80	26.72	27.29	27.85