

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: P895758

Luminaire Tested: 2MB-2SL-ACL-UNV-L835

Issue Date: 11/19/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P895758  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/19/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 2MB-2SL-ACL-UNV-L835  
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with AISLE OPTICS WITH CLEAR LENS, 80CRI, 3500K (C)  
Light Source: -  
Ballast/Driver: -

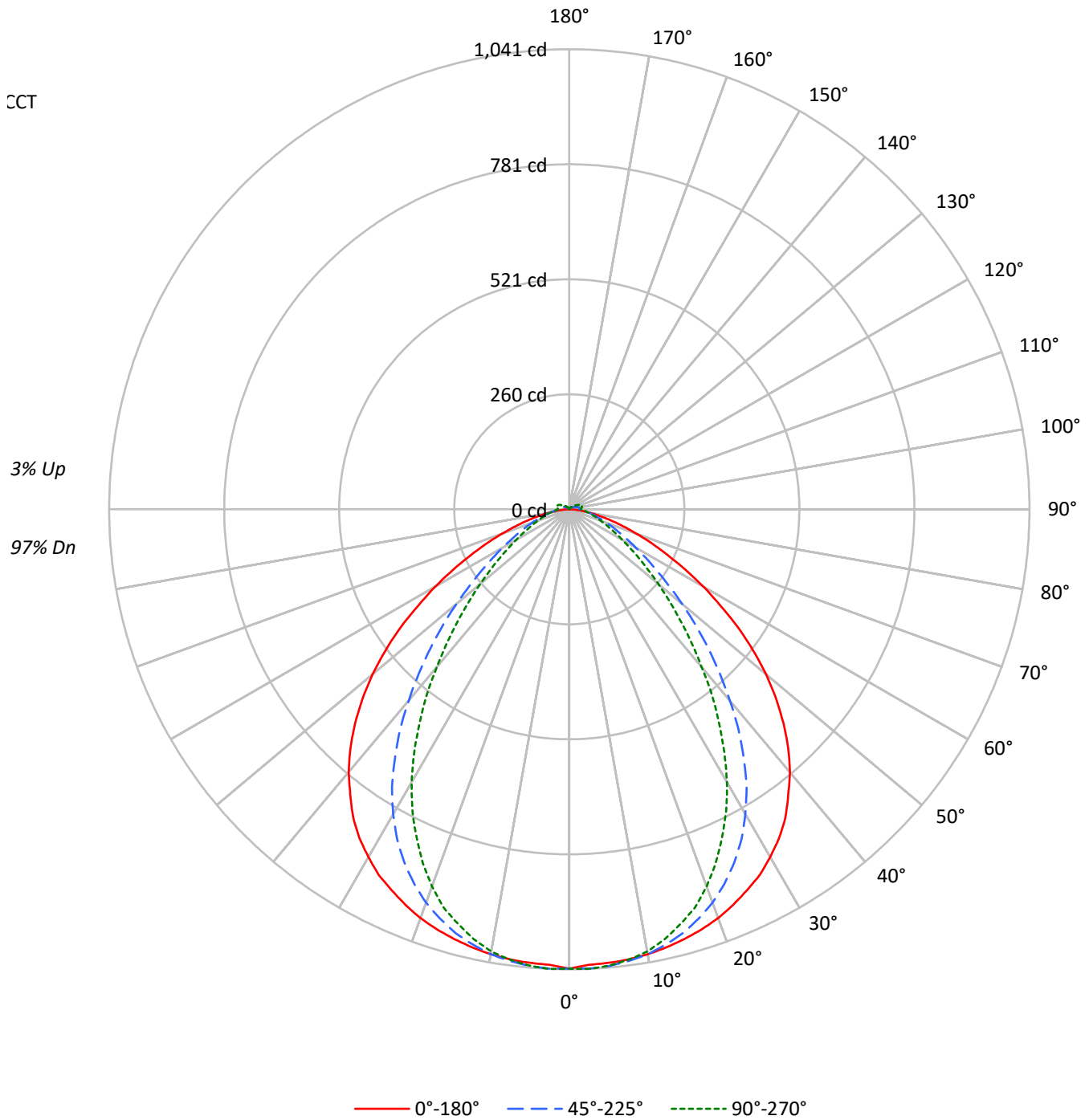
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2165.9 lumens  
Efficiency: N/A  
Efficacy: 145.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.07 / 1.17  
Luminous Opening: Rectangular w/ Sides (W: 0.27' x L: 1.98' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 14.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.92  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P895758  
CATALOG NUMBER: 2MB-2SL-ACL-UNV-L835

### Luminous Intensity Polar Plot







TEST NUMBER: P895758  
 CATALOG NUMBER: 2MB-2SL-ACL-UNV-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.5	4.5
10°-20°	279.4	12.9
20°-30°	406.0	18.7
30°-40°	438.9	20.3
40°-50°	370.3	17.1
50°-60°	253.7	11.7
60°-70°	147.9	6.8
70°-80°	75.5	3.5
80°-90°	32.6	1.5
90°-100°	19.7	0.9
100°-110°	17.7	0.8
110°-120°	12.0	0.6
120°-130°	6.7	0.3
130°-140°	3.7	0.2
140°-150°	1.9	0.1
150°-160°	1.0	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
<b>0°-30°</b>	<b>783.8</b>	<b>36.2</b>
<b>0°-40°</b>	<b>1222.7</b>	<b>56.5</b>
<b>0°-60°</b>	<b>1846.7</b>	<b>85.3</b>
<b>0°-90°</b>	<b>2102.7</b>	<b>97.1</b>
90°-120°	49.4	2.3
90°-150°	61.8	2.9
<b>90°-180°</b>	<b>63.0</b>	<b>2.9</b>
<b>0°-180°</b>	<b>2165.9</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1030	1037	1037	1040	1037	98
15°	1007	1006	993	981	972	284
25°	951	932	882	839	818	439
35°	852	797	688	614	590	531
45°	685	579	444	375	354	527
55°	466	353	242	202	192	415
65°	246	181	125	106	101	247
75°	98	80	64	59	58	106
85°	17	24	31	34	34	21
90°	1	11	23	26	26	1
95°	0	10	22	26	27	0
105°	0	6	19	28	29	0
115°	0	4	12	21	24	0
125°	0	2	7	12	14	0
135°	1	2	5	7	9	1
145°	1	1	4	4	5	0
155°	1	1	2	3	4	0
165°	1	1	1	2	2	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P895758

CATALOG NUMBER: 2MB-2SL-ACL-UNV-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1039.5	1039.5	1039.5	1039.5	1039.5
2.5°	1031.6	1038.1	1040.2	1043.1	1040.9
5°	1030.2	1036.6	1037.4	1039.5	1036.6
7.5°	1027.4	1032.4	1030.9	1030.9	1028.1
10°	1022.4	1025.2	1022.4	1018.8	1015.9
12.5°	1015.2	1017.4	1008.8	1003.8	996.6
15°	1006.6	1005.9	993.1	980.9	971.6
17.5°	996.6	991.6	971.6	953.1	945.2
20°	984.5	975.2	947.3	920.2	908.0
22.5°	968.8	955.9	917.3	882.3	865.9
25°	950.9	932.3	882.3	838.7	818.0
27.5°	933.1	905.2	843.0	788.7	768.7
30°	908.8	873.8	796.6	735.2	713.0
32.5°	883.0	838.7	746.6	675.1	653.0
35°	852.3	797.3	688.0	614.4	590.1
37.5°	813.7	748.7	628.7	551.5	530.8
40°	776.6	695.9	565.1	488.7	465.8
42.5°	733.0	638.7	503.7	429.4	408.7
45°	685.1	579.4	443.7	375.1	354.4
47.5°	634.4	523.0	386.5	322.9	306.5
50°	580.8	465.1	332.9	277.9	262.9
52.5°	523.7	407.2	283.6	237.9	224.3
55°	465.8	352.9	241.5	202.2	191.5
57.5°	405.1	300.8	205.8	172.2	162.2
60°	350.1	257.2	173.6	147.2	139.3
62.5°	295.8	217.2	147.9	125.0	118.6
65°	245.8	180.8	125.0	106.5	101.4
67.5°	202.2	151.5	107.2	91.4	87.9
70°	161.5	123.6	90.0	78.6	75.0
72.5°	127.2	100.0	75.7	67.9	65.7
75°	97.9	80.0	63.6	59.3	57.9
77.5°	71.4	61.4	53.6	51.4	50.7
80°	50.0	46.4	45.0	45.0	45.0
82.5°	31.4	34.3	37.9	39.3	39.3
85°	17.1	23.6	31.4	33.6	33.6
87.5°	7.1	16.4	26.4	28.6	27.9
90°	0.7	10.7	22.9	25.7	25.7
92.5°	0.0	10.7	22.9	25.7	25.7
95°	0.0	10.0	22.1	26.4	27.1
97.5°	0.0	9.3	22.1	27.1	27.9
100°	0.7	8.6	22.1	27.9	28.6
102.5°	0.0	7.1	20.7	27.9	29.3
105°	0.0	5.7	19.3	27.9	29.3
107.5°	0.0	4.3	17.9	26.4	28.6
110°	0.0	4.3	16.4	25.0	27.1



TEST NUMBER: P895758

CATALOG NUMBER: 2MB-2SL-ACL-UNV-L835

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	3.6	14.3	22.9	25.7
115°	0.0	3.6	12.1	20.7	23.6
117.5°	0.0	2.9	10.7	18.6	20.7
120°	0.0	2.9	9.3	16.4	18.6
122.5°	0.0	2.9	8.6	14.3	16.4
125°	0.0	2.1	7.1	12.1	14.3
127.5°	0.7	2.1	6.4	10.7	12.9
130°	0.7	2.1	5.7	9.3	11.4
132.5°	0.7	2.1	5.0	8.6	10.0
135°	0.7	2.1	5.0	7.1	8.6
137.5°	0.7	2.1	4.3	6.4	7.1
140°	0.7	2.1	3.6	5.7	6.4
142.5°	0.7	1.4	3.6	5.0	5.7
145°	0.7	1.4	3.6	4.3	5.0
147.5°	0.7	1.4	2.9	4.3	4.3
150°	0.7	1.4	2.9	3.6	4.3
152.5°	0.7	1.4	2.1	3.6	3.6
155°	0.7	1.4	2.1	2.9	3.6
157.5°	0.7	1.4	2.1	2.9	2.9
160°	0.7	1.4	1.4	2.1	2.9
162.5°	0.7	0.7	1.4	2.1	2.1
165°	0.7	0.7	1.4	2.1	2.1
167.5°	0.7	0.7	1.4	1.4	2.1
170°	0.7	0.7	1.4	1.4	1.4
172.5°	0.7	0.7	1.4	1.4	0.7
175°	0.7	0.7	1.4	1.4	0.7
177.5°	0.7	0.7	1.4	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P895758  
 CATALOG NUMBER: 2MB-2SL-ACL-UNV-L835

**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	19.16	20.56	19.57	20.93	21.32	15.48	16.88	15.90	17.26	17.65
	3H	20.22	21.48	20.65	21.87	22.30	16.66	17.91	17.09	18.31	18.74
	4H	20.52	21.69	20.97	22.10	22.55	17.19	18.36	17.64	18.77	19.22
	6H	20.65	21.73	21.11	22.16	22.62	17.72	18.81	18.19	19.23	19.70
	8H	20.66	21.69	21.14	22.14	22.61	18.00	19.03	18.48	19.48	19.95
	12H	20.65	21.64	21.13	22.08	22.58	18.30	19.28	18.78	19.72	20.22
4H	2H	19.19	20.36	19.64	20.77	21.22	15.94	17.11	16.39	17.52	17.97
	3H	20.41	21.38	20.87	21.84	22.32	17.30	18.27	17.76	18.73	19.20
	4H	20.79	21.66	21.27	22.14	22.65	17.93	18.81	18.42	19.28	19.79
	6H	21.01	21.77	21.52	22.27	22.80	18.60	19.36	19.11	19.86	20.39
	8H	21.04	21.75	21.56	22.25	22.79	18.95	19.66	19.46	20.16	20.69
	12H	21.05	21.68	21.58	22.21	22.75	19.33	19.96	19.86	20.49	21.03
8H	4H	20.81	21.52	21.32	22.02	22.56	18.15	18.86	18.66	19.36	19.90
	6H	21.08	21.67	21.63	22.22	22.76	18.94	19.52	19.48	20.07	20.61
	8H	21.15	21.68	21.71	22.24	22.80	19.37	19.90	19.94	20.46	21.02
	12H	21.19	21.66	21.75	22.20	22.83	19.88	20.34	20.43	20.89	21.52
12H	4H	20.80	21.43	21.33	21.96	22.50	18.16	18.79	18.69	19.32	19.86
	6H	21.08	21.61	21.64	22.17	22.73	18.97	19.50	19.53	20.06	20.61
	8H	21.18	21.65	21.74	22.20	22.83	19.46	19.93	20.02	20.48	21.11