

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: P892546

Luminaire Tested: 2MB-2SL-LVRA-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-26)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-2SL-LVRA-UNV-L935
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with LOUVER WITH AISLE OPTIC, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

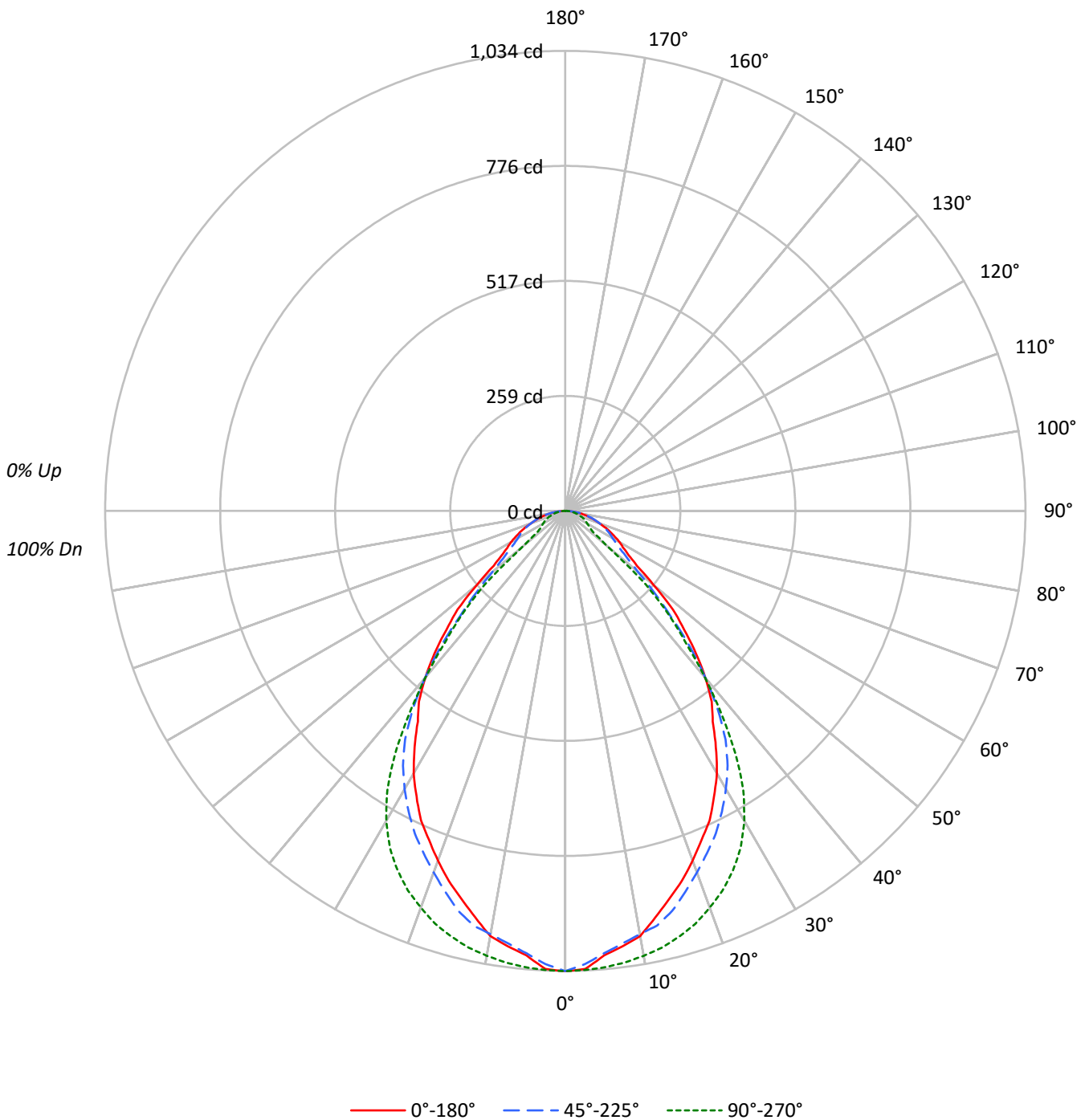
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1679.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.16 / 1.12
Luminous Opening: Rectangular (W 0.38' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
Input Voltage (V): 120
Input Current (A_{in}): 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

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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	93	92	90	88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	85	82	80	78
3	96	87	80	75	94	86	80	75	83	78	73	80	76	72	78	74	71	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	71	67	63	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	49	44	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	46	40	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14799	14799	14799
5°	14400	14336	14784
10°	14095	14032	14748
15°	13366	13778	14666
20°	12733	13164	14443
25°	12113	12631	14073
30°	11252	11923	13288
35°	10091	10957	11655
40°	9141	9162	9111
45°	7643	6769	6603
50°	5773	4765	2700
55°	4342	3811	1703
60°	4034	3511	1639
65°	3754	3503	1642
70°	3434	3434	1619
75°	3256	3344	1564
80°	3007	3163	1606
85°	2626	2758	1756

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7821 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	5.7
10°-20°	263.3	15.7
20°-30°	373.4	22.2
30°-40°	384.7	22.9
40°-50°	268.7	16.0
50°-60°	128.9	7.7
60°-70°	90.5	5.4
70°-80°	56.6	3.4
80°-90°	17.5	1.0
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°	732.3	43.6
0°-40°	1116.9	66.5
0°-60°	1514.5	90.2
0°-90°	1679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1034	1034	1034	1034	1034	
5°	1003	1002	998	1024	1030	95
15°	902	909	930	957	990	254
25°	767	775	800	854	892	351
35°	578	594	627	640	667	364
45°	378	387	335	318	326	291
55°	174	166	153	98	68	163
65°	111	104	104	79	48	110
75°	59	58	60	52	28	62
85°	16	16	17	16	11	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1034.5	1034.5	1034.5	1034.5	1034.5
2.5°	1030.5	1027.3	1019.6	1033.7	1032.7
5°	1002.8	1001.5	998.3	1024.4	1029.5
7.5°	987.1	984.4	980.7	1009.5	1023.6
10°	970.3	973.5	966.0	992.4	1015.3
12.5°	935.6	944.1	954.3	974.8	1005.2
15°	902.5	909.2	930.3	956.9	990.3
17.5°	871.6	879.3	897.5	937.5	972.9
20°	836.4	847.1	864.7	915.9	948.7
22.5°	800.2	810.0	832.2	887.1	923.6
25°	767.4	775.1	800.2	854.3	891.6
27.5°	723.9	738.3	762.0	814.3	853.5
30°	681.2	693.5	721.8	765.8	804.4
32.5°	629.8	647.6	678.8	712.4	744.7
35°	577.8	593.5	627.4	640.4	667.4
37.5°	539.9	544.2	563.4	561.8	577.0
40°	489.5	498.1	490.6	470.6	487.9
42.5°	435.1	445.3	415.1	391.9	398.1
45°	377.8	386.6	334.6	317.6	326.4
47.5°	328.2	327.4	269.8	258.4	246.1
50°	259.4	268.0	214.1	192.8	121.3
52.5°	202.6	205.8	176.5	123.2	79.7
55°	174.1	165.6	152.8	97.9	68.3
57.5°	154.6	144.0	135.4	90.9	62.4
60°	141.0	129.0	122.7	86.4	57.3
62.5°	125.6	116.3	113.9	82.4	52.8
65°	110.9	103.7	103.5	78.7	48.5
67.5°	96.3	92.3	93.3	74.1	43.7
70°	82.1	81.3	82.1	68.3	38.7
72.5°	70.1	69.3	71.5	60.8	33.1
75°	58.9	58.1	60.5	52.3	28.3
77.5°	46.9	47.5	49.1	43.5	23.7
80°	36.5	36.5	38.4	34.1	19.5
82.5°	26.1	26.4	27.5	25.1	15.2
85°	16.0	16.0	16.8	16.5	10.7
87.5°	5.3	6.1	7.2	7.7	5.3
90°	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	15.01	16.36	15.37	16.68	16.99	11.34	12.69	11.70	13.01	13.32
	3H	16.75	17.95	17.13	18.28	18.65	13.32	14.52	13.70	14.85	15.22
	4H	17.42	18.55	17.82	18.90	19.28	14.02	15.15	14.42	15.50	15.88
	6H	17.92	18.96	18.34	19.33	19.73	14.55	15.58	14.96	15.95	16.35
	8H	18.10	19.08	18.53	19.47	19.88	14.73	15.72	15.16	16.11	16.51
	12H	18.21	19.15	18.64	19.53	19.96	14.87	15.81	15.30	16.20	16.63
4H	2H	15.54	16.67	15.94	17.02	17.40	12.96	14.09	13.37	14.44	14.82
	3H	17.52	18.45	17.93	18.85	19.25	15.14	16.07	15.55	16.48	16.88
	4H	18.32	19.15	18.75	19.57	20.01	16.02	16.86	16.46	17.28	17.72
	6H	18.96	19.69	19.42	20.13	20.60	16.67	17.39	17.13	17.84	18.30
	8H	19.18	19.86	19.65	20.30	20.77	16.87	17.55	17.34	18.00	18.47
	12H	19.33	19.93	19.82	20.42	20.89	17.03	17.63	17.52	18.11	18.59
8H	4H	18.60	19.28	19.07	19.73	20.20	16.67	17.35	17.14	17.79	18.26
	6H	19.39	19.94	19.89	20.44	20.92	17.53	18.09	18.03	18.58	19.06
	8H	19.69	20.19	20.21	20.70	21.19	17.86	18.36	18.38	18.87	19.36
	12H	19.92	20.36	20.44	20.86	21.43	18.12	18.56	18.64	19.06	19.63
12H	4H	18.62	19.22	19.10	19.70	20.17	16.74	17.34	17.23	17.83	18.30
	6H	19.44	19.94	19.96	20.45	20.94	17.67	18.17	18.19	18.68	19.17
	8H	19.80	20.24	20.32	20.74	21.31	18.08	18.52	18.60	19.02	19.59