

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: P892540

Luminaire Tested: 2MB-2SL-LVR-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-175-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-2SL-LVR-UNV-L950
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

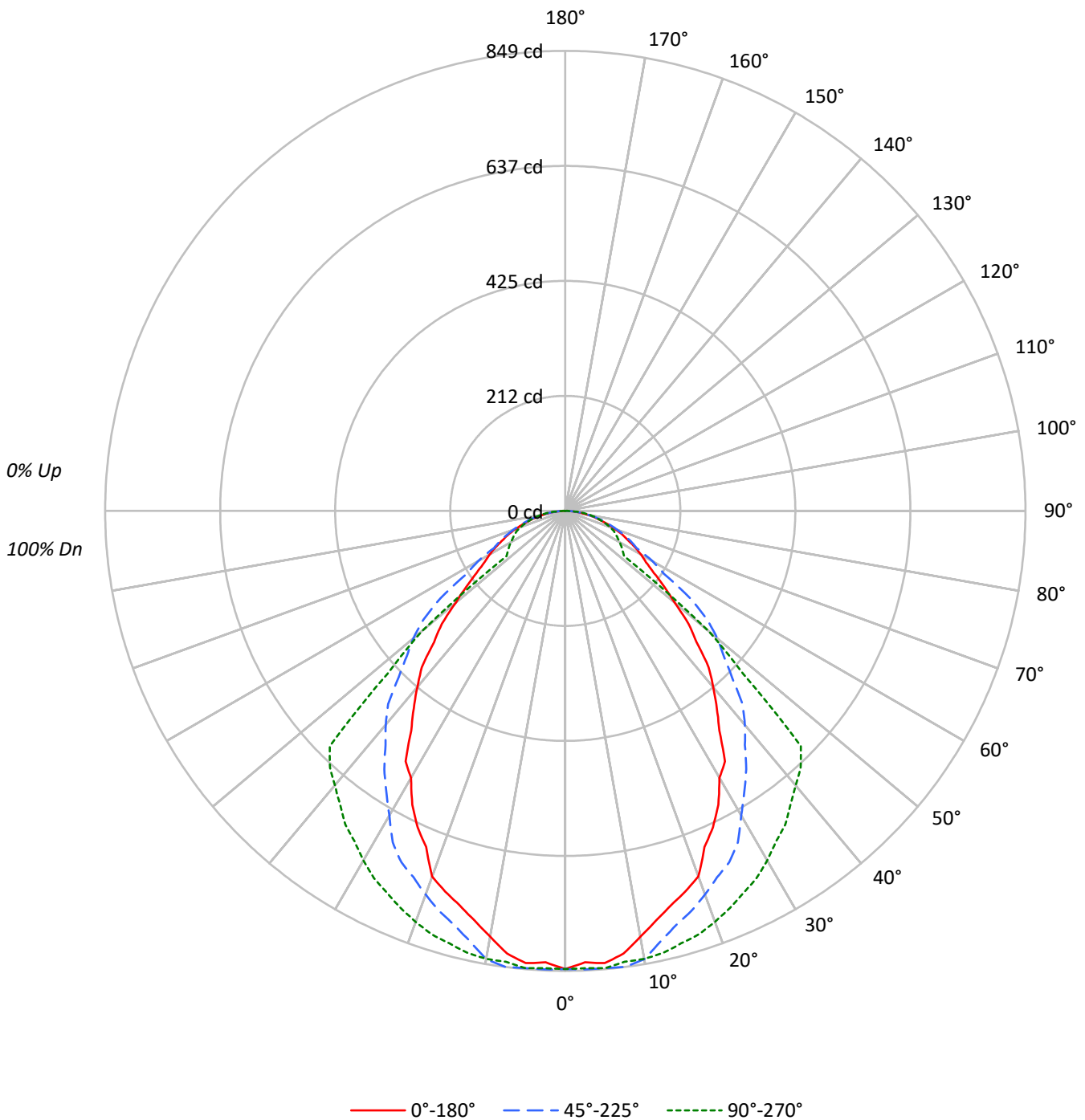
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1764.0 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.3 / 1.26
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	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	89	89	89	87
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	77	77	77	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	67	67	67	65
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	59	59	59	57
5	80	69	60	54	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	47	45
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	42	42	42	40
8	65	52	45	39	64	52	44	39	50	44	39	49	43	39	48	43	38	38	38	38	37
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	35	35	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12095	12095	12095
5°	12031	12163	12163
10°	11590	12203	12193
15°	11158	11715	12238
20°	10931	11469	12287
25°	10170	11297	12279
30°	9399	10719	12305
35°	8650	10166	12352
40°	7931	9623	12348
45°	6929	8794	12430
50°	5862	8152	7691
55°	4981	7011	3217
60°	4615	5316	3319
65°	4289	4522	3483
70°	4049	4270	3660
75°	3736	4035	3775
80°	3419	3732	3987
85°	3020	3398	4284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12430 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	4.5
10°-20°	224.5	12.7
20°-30°	326.3	18.5
30°-40°	369.4	20.9
40°-50°	345.1	19.6
50°-60°	196.1	11.1
60°-70°	123.2	7.0
70°-80°	75.6	4.3
80°-90°	23.7	1.3
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°	630.9	35.8
0°-40°	1000.3	56.7
0°-60°	1541.5	87.4
0°-90°	1764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1764.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	838	846	847	844	847	79
15°	753	766	791	834	826	213
25°	644	657	716	748	778	296
35°	495	528	582	658	707	312
45°	342	378	435	552	614	267
55°	200	218	281	147	129	183
65°	127	131	134	116	103	127
75°	68	70	73	74	68	72
85°	18	19	21	23	26	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	845.5	845.5	845.5	845.5	845.5
2.5°	834.0	843.2	847.0	846.3	844.7
5°	837.8	846.3	847.0	844.0	847.0
7.5°	824.0	844.0	848.6	840.9	839.4
10°	797.9	809.4	840.1	843.2	839.4
12.5°	774.1	787.9	813.3	843.2	835.5
15°	753.4	766.4	791.0	834.0	826.3
17.5°	736.5	741.1	774.1	824.0	819.4
20°	718.0	727.2	753.4	799.4	807.1
22.5°	671.2	696.5	731.9	777.9	793.3
25°	644.3	656.6	715.7	748.0	777.9
27.5°	611.3	633.6	689.6	724.9	764.1
30°	569.0	594.4	648.9	701.1	744.9
32.5°	548.3	557.5	614.4	681.9	723.4
35°	495.3	528.3	582.1	658.1	707.3
37.5°	459.2	479.2	544.5	635.1	682.7
40°	424.7	447.7	515.3	609.7	661.2
42.5°	391.7	412.4	483.8	584.4	642.8
45°	342.5	377.8	434.7	552.2	614.4
47.5°	308.7	331.0	396.3	513.0	445.4
50°	263.4	290.3	366.3	351.7	345.6
52.5°	230.4	245.0	330.2	297.2	136.7
55°	199.7	218.1	281.1	147.4	129.0
57.5°	176.6	188.9	215.8	136.7	122.9
60°	161.3	164.3	185.8	130.6	116.0
62.5°	144.4	147.4	148.2	123.6	109.0
65°	126.7	131.3	133.6	116.0	102.9
67.5°	113.7	114.4	117.5	107.5	96.8
70°	96.8	98.3	102.1	98.3	87.5
72.5°	82.2	84.5	86.8	87.5	78.3
75°	67.6	69.9	73.0	74.5	68.3
77.5°	55.3	56.1	59.1	63.0	58.4
80°	41.5	43.8	45.3	49.1	48.4
82.5°	29.9	30.7	33.0	36.1	37.6
85°	18.4	19.2	20.7	23.0	26.1
87.5°	7.7	8.4	9.2	10.8	12.3
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	16.38	17.86	16.74	18.17	18.48	14.13	15.60	14.49	15.92	16.23
	3H	17.97	19.29	18.34	19.62	19.98	16.46	17.78	16.84	18.11	18.47
	4H	18.57	19.81	18.97	20.16	20.54	17.40	18.64	17.80	18.99	19.37
	6H	19.03	20.17	19.44	20.54	20.93	18.19	19.34	18.61	19.71	20.10
	8H	19.18	20.27	19.61	20.66	21.06	18.50	19.59	18.93	19.98	20.38
	12H	19.28	20.32	19.71	20.71	21.13	18.75	19.79	19.18	20.17	20.60
4H	2H	16.95	18.19	17.35	18.54	18.92	15.28	16.52	15.68	16.87	17.25
	3H	18.77	19.80	19.18	20.20	20.60	17.72	18.75	18.13	19.15	19.55
	4H	19.50	20.43	19.94	20.84	21.28	18.77	19.69	19.20	20.11	20.55
	6H	20.10	20.90	20.55	21.34	21.80	19.66	20.47	20.12	20.91	21.37
	8H	20.29	21.04	20.76	21.49	21.96	20.01	20.76	20.47	21.20	21.67
	12H	20.44	21.11	20.92	21.59	22.06	20.29	20.96	20.78	21.44	21.91
8H	4H	19.81	20.56	20.27	21.01	21.47	19.17	19.92	19.63	20.37	20.83
	6H	20.53	21.15	21.03	21.65	22.12	20.21	20.84	20.71	21.33	21.81
	8H	20.80	21.36	21.32	21.88	22.36	20.65	21.21	21.17	21.72	22.21
	12H	21.02	21.52	21.53	22.01	22.58	21.04	21.53	21.55	22.03	22.59
12H	4H	19.85	20.52	20.33	20.99	21.47	19.21	19.88	19.69	20.36	20.83
	6H	20.60	21.16	21.11	21.67	22.16	20.28	20.84	20.80	21.35	21.84
	8H	20.93	21.43	21.44	21.92	22.49	20.79	21.28	21.30	21.78	22.34