

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: P892538

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892538
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-L935
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

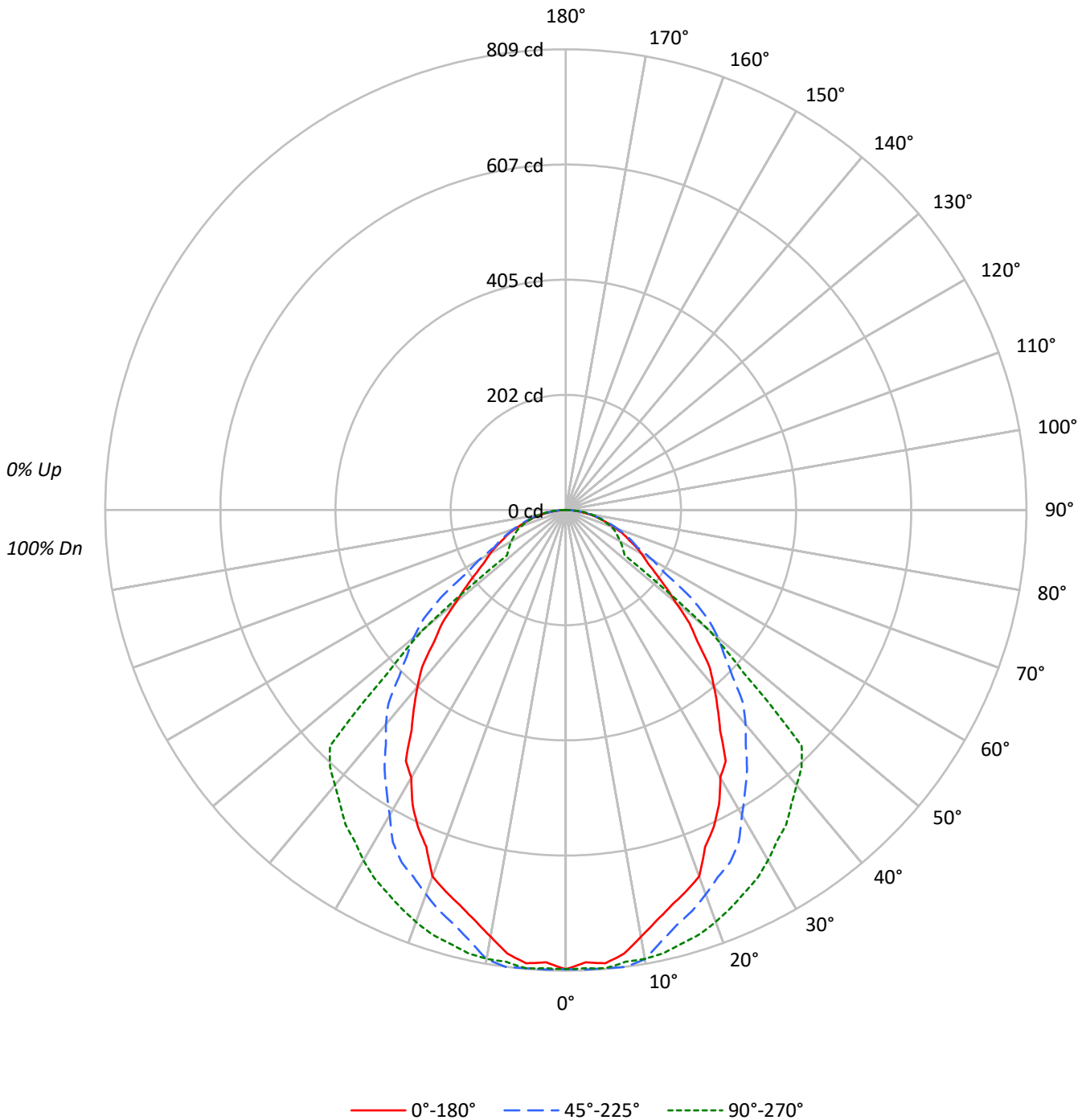
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1682.0 lumens
Efficiency: N/A
Efficacy: 112.9 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°	11533	11533	11533
5°	11472	11599	11599
10°	11052	11637	11625
15°	10638	11170	11669
20°	10422	10935	11716
25°	9698	10773	11709
30°	8963	10220	11733
35°	8248	9692	11778
40°	7561	9175	11774
45°	6607	8386	11851
50°	5591	7774	7333
55°	4749	6684	3068
60°	4400	5070	3164
65°	4089	4312	3321
70°	3861	4074	3493
75°	3560	3847	3604
80°	3254	3559	3798
85°	2889	3250	4087

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 11851 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	4.5
10°-20°	214.0	12.7
20°-30°	311.1	18.5
30°-40°	352.2	20.9
40°-50°	329.1	19.6
50°-60°	187.0	11.1
60°-70°	117.5	7.0
70°-80°	72.1	4.3
80°-90°	22.6	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°	601.6	35.8
0°-40°	953.8	56.7
0°-60°	1469.8	87.4
0°-90°	1682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	799	807	808	805	808	75
15°	718	731	754	795	788	203
25°	614	626	682	713	742	282
35°	472	504	555	628	674	298
45°	327	360	414	526	586	254
55°	190	208	268	141	123	174
65°	121	125	127	111	98	121
75°	64	67	70	71	65	69
85°	18	18	20	22	25	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	806.2	806.2	806.2	806.2	806.2
2.5°	795.2	804.0	807.7	806.9	805.5
5°	798.9	806.9	807.7	804.7	807.7
7.5°	785.7	804.7	809.1	801.8	800.3
10°	760.8	771.8	801.1	804.0	800.3
12.5°	738.1	751.3	775.4	804.0	796.7
15°	718.3	730.8	754.2	795.2	787.9
17.5°	702.2	706.6	738.1	785.7	781.3
20°	684.6	693.4	718.3	762.3	769.6
22.5°	640.0	664.1	697.8	741.8	756.4
25°	614.4	626.1	682.5	713.2	741.8
27.5°	582.9	604.1	657.6	691.2	728.6
30°	542.6	566.8	618.7	668.5	710.3
32.5°	522.8	531.6	585.8	650.2	689.8
35°	472.3	503.8	555.0	627.5	674.4
37.5°	437.9	456.9	519.2	605.6	651.0
40°	404.9	426.9	491.3	581.4	630.5
42.5°	373.4	393.2	461.3	557.2	612.9
45°	326.6	360.3	414.5	526.5	585.8
47.5°	294.4	315.6	377.8	489.1	424.7
50°	251.2	276.8	349.3	335.4	329.5
52.5°	219.7	233.6	314.9	283.4	130.3
55°	190.4	208.0	268.0	140.6	123.0
57.5°	168.4	180.1	205.8	130.3	117.2
60°	153.8	156.7	177.2	124.5	110.6
62.5°	137.7	140.6	141.3	117.9	104.0
65°	120.8	125.2	127.4	110.6	98.1
67.5°	108.4	109.1	112.0	102.5	92.3
70°	92.3	93.7	97.4	93.7	83.5
72.5°	78.4	80.5	82.7	83.5	74.7
75°	64.4	66.6	69.6	71.0	65.2
77.5°	52.7	53.5	56.4	60.0	55.7
80°	39.5	41.7	43.2	46.9	46.1
82.5°	28.6	29.3	31.5	34.4	35.9
85°	17.6	18.3	19.8	22.0	24.9
87.5°	7.3	8.1	8.8	10.3	11.7
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	16.21	17.69	16.58	18.00	18.32	13.96	15.44	14.32	15.75	16.06
	3H	17.80	19.12	18.18	19.45	19.81	16.29	17.62	16.67	17.94	18.31
	4H	18.40	19.64	18.80	19.99	20.37	17.24	18.48	17.64	18.83	19.21
	6H	18.86	20.01	19.28	20.37	20.77	18.03	19.17	18.44	19.54	19.93
	8H	19.01	20.10	19.44	20.49	20.90	18.34	19.43	18.76	19.82	20.22
	12H	19.12	20.16	19.55	20.54	20.97	18.58	19.63	19.01	20.01	20.44
4H	2H	16.78	18.02	17.18	18.37	18.75	15.11	16.35	15.51	16.70	17.08
	3H	18.60	19.63	19.02	20.03	20.43	17.55	18.58	17.97	18.98	19.38
	4H	19.34	20.26	19.77	20.68	21.12	18.60	19.53	19.04	19.94	20.38
	6H	19.93	20.73	20.39	21.17	21.64	19.50	20.30	19.96	20.74	21.20
	8H	20.13	20.88	20.59	21.32	21.79	19.84	20.59	20.31	21.04	21.51
	12H	20.27	20.94	20.75	21.42	21.89	20.13	20.80	20.61	21.28	21.75
8H	4H	19.64	20.39	20.11	20.84	21.31	19.00	19.76	19.47	20.20	20.67
	6H	20.36	20.99	20.86	21.48	21.96	20.05	20.67	20.55	21.16	21.64
	8H	20.64	21.20	21.15	21.71	22.20	20.49	21.05	21.00	21.56	22.05
	12H	20.86	21.35	21.37	21.85	22.41	20.87	21.37	21.38	21.86	22.43
12H	4H	19.68	20.35	20.16	20.83	21.30	19.04	19.71	19.53	20.19	20.66
	6H	20.43	20.99	20.94	21.50	21.99	20.12	20.68	20.63	21.19	21.68
	8H	20.76	21.26	21.27	21.75	22.32	20.62	21.12	21.13	21.61	22.18