

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: P892548

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892548
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-L950
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with LOUVER WITH AISLE OPTIC, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

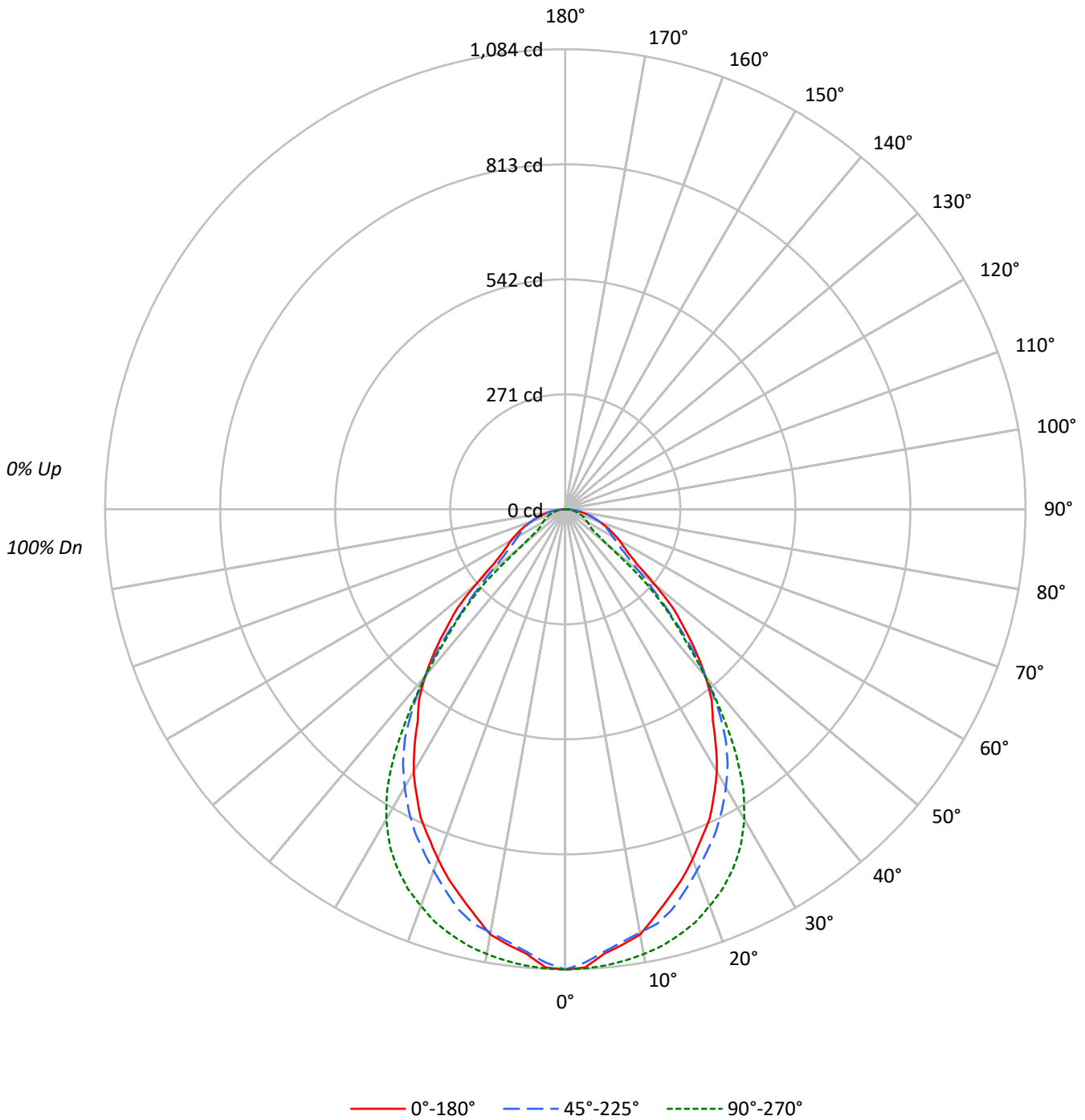
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1760.0 lumens
Efficiency: N/A
Efficacy: 118.1 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	80	80	78
3	96	87	80	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	52	52	50
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15513	15513	15513
5°	15095	15026	15496
10°	14775	14709	15460
15°	14012	14443	15373
20°	13348	13799	15138
25°	12697	13240	14752
30°	11796	12498	13928
35°	10578	11484	12218
40°	9584	9604	9552
45°	8011	7097	6921
50°	6051	4994	2831
55°	4552	3996	1786
60°	4232	3679	1720
65°	3937	3669	1723
70°	3601	3601	1694
75°	3416	3504	1636
80°	3155	3312	1681
85°	2758	2889	1838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 8200 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	5.7
10°-20°	276.0	15.7
20°-30°	391.4	22.2
30°-40°	403.2	22.9
40°-50°	281.6	16.0
50°-60°	135.1	7.7
60°-70°	94.8	5.4
70°-80°	59.3	3.4
80°-90°	18.3	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°	767.6	43.6
0°-40°	1170.8	66.5
0°-60°	1587.6	90.2
0°-90°	1760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1760.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1084	1084	1084	1084	1084	
5°	1051	1050	1046	1074	1079	99
15°	946	953	975	1003	1038	266
25°	804	812	839	896	935	368
35°	606	622	658	671	700	382
45°	396	405	351	333	342	305
55°	182	174	160	103	72	171
65°	116	109	108	82	51	115
75°	62	61	63	55	30	65
85°	17	17	18	17	11	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1084.4	1084.4	1084.4	1084.4	1084.4
2.5°	1080.2	1076.9	1068.8	1083.6	1082.5
5°	1051.2	1049.8	1046.4	1073.8	1079.1
7.5°	1034.7	1031.9	1028.0	1058.2	1073.0
10°	1017.1	1020.4	1012.6	1040.3	1064.3
12.5°	980.7	989.7	1000.3	1021.8	1053.7
15°	946.1	953.1	975.2	1003.1	1038.0
17.5°	913.7	921.8	940.8	982.7	1019.9
20°	876.8	888.0	906.4	960.1	994.4
22.5°	838.8	849.1	872.3	929.9	968.2
25°	804.4	812.5	838.8	895.5	934.6
27.5°	758.8	773.9	798.8	853.6	894.7
30°	714.1	727.0	756.6	802.7	843.2
32.5°	660.2	678.9	711.6	746.8	780.6
35°	605.7	622.2	657.6	671.3	699.6
37.5°	566.0	570.4	590.6	588.9	604.8
40°	513.2	522.1	514.3	493.3	511.5
42.5°	456.1	466.8	435.2	410.9	417.3
45°	396.0	405.3	350.8	332.9	342.1
47.5°	344.1	343.2	282.8	270.8	258.0
50°	271.9	280.9	224.4	202.1	127.2
52.5°	212.4	215.8	185.0	129.1	83.6
55°	182.5	173.6	160.2	102.6	71.6
57.5°	162.1	150.9	142.0	95.3	65.4
60°	147.9	135.3	128.6	90.6	60.1
62.5°	131.6	121.9	119.3	86.4	55.3
65°	116.3	108.7	108.4	82.5	50.9
67.5°	100.9	96.7	97.8	77.7	45.8
70°	86.1	85.2	86.1	71.6	40.5
72.5°	73.5	72.7	74.9	63.7	34.7
75°	61.8	60.9	63.4	54.8	29.6
77.5°	49.2	49.7	51.4	45.6	24.9
80°	38.3	38.3	40.2	35.8	20.4
82.5°	27.4	27.7	28.8	26.3	15.9
85°	16.8	16.8	17.6	17.3	11.2
87.5°	5.6	6.4	7.5	8.1	5.6
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	15.17	16.53	15.54	16.84	17.15	11.50	12.86	11.87	13.17	13.49
	3H	16.91	18.12	17.29	18.45	18.81	13.48	14.69	13.86	15.02	15.38
	4H	17.58	18.71	17.98	19.06	19.44	14.18	15.31	14.59	15.66	16.04
	6H	18.09	19.13	18.50	19.50	19.89	14.71	15.75	15.12	16.12	16.51
	8H	18.26	19.25	18.69	19.64	20.04	14.89	15.88	15.32	16.27	16.67
	12H	18.37	19.31	18.80	19.70	20.13	15.03	15.98	15.46	16.36	16.79
4H	2H	15.70	16.83	16.10	17.18	17.56	13.13	14.25	13.53	14.60	14.99
	3H	17.68	18.61	18.09	19.01	19.42	15.30	16.23	15.72	16.64	17.04
	4H	18.48	19.32	18.92	19.74	20.18	16.18	17.02	16.62	17.44	17.88
	6H	19.12	19.85	19.59	20.29	20.76	16.83	17.55	17.29	18.00	18.46
	8H	19.34	20.02	19.81	20.47	20.94	17.04	17.71	17.50	18.16	18.63
	12H	19.50	20.10	19.98	20.58	21.05	17.19	17.80	17.68	18.28	18.75
8H	4H	18.77	19.44	19.23	19.89	20.36	16.83	17.51	17.30	17.96	18.43
	6H	19.55	20.10	20.05	20.60	21.08	17.70	18.25	18.20	18.75	19.23
	8H	19.85	20.35	20.37	20.86	21.35	18.02	18.52	18.54	19.04	19.53
	12H	20.09	20.53	20.60	21.02	21.59	18.29	18.73	18.80	19.22	19.79
12H	4H	18.78	19.38	19.27	19.86	20.34	16.91	17.51	17.39	17.99	18.46
	6H	19.60	20.10	20.12	20.61	21.11	17.83	18.33	18.35	18.85	19.34
	8H	19.97	20.41	20.48	20.90	21.47	18.25	18.69	18.76	19.18	19.75