

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: P892534

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892534
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-L835
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with LOUVER, 80CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

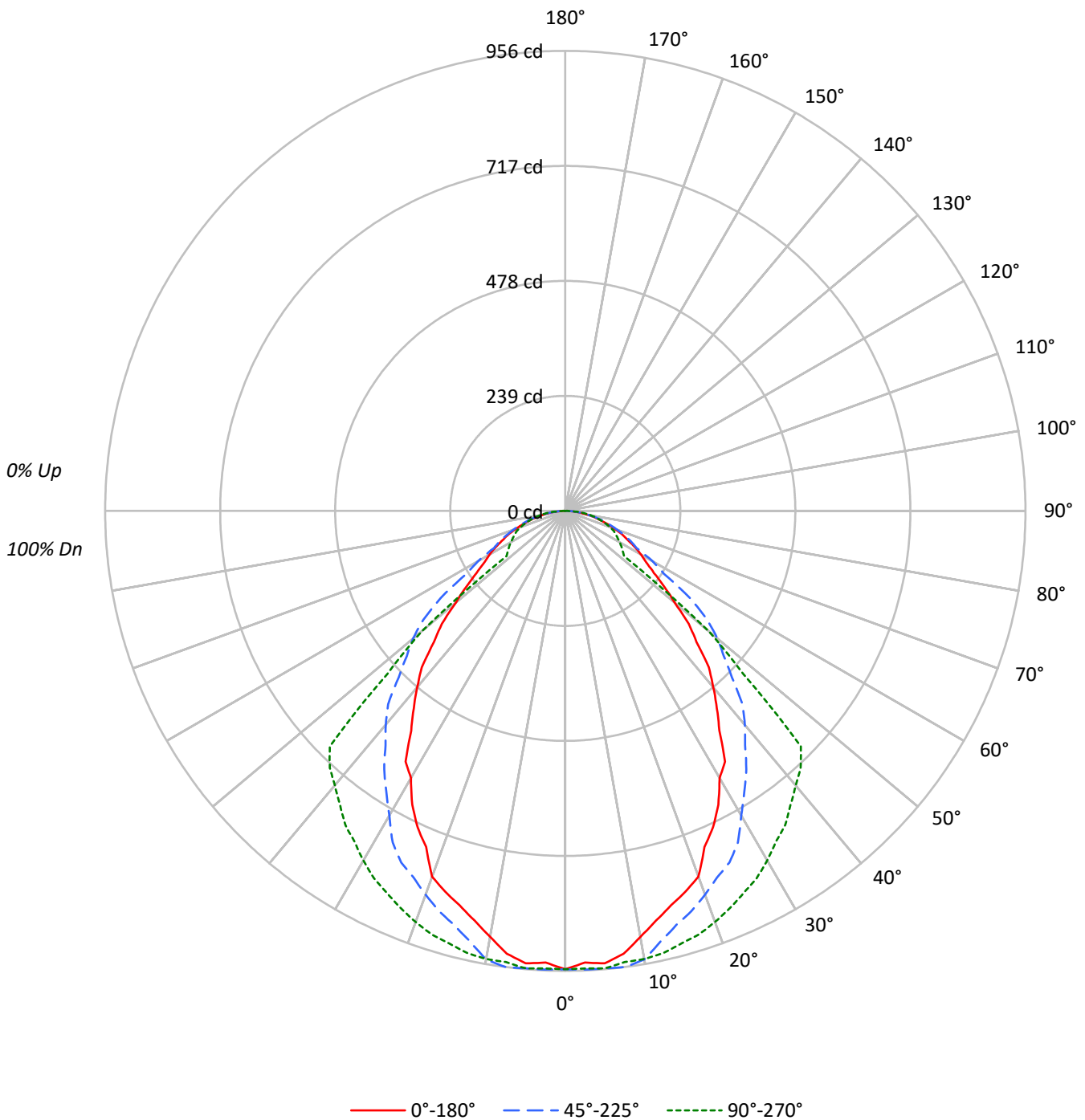
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1987.0 lumens
Efficiency: N/A
Efficacy: 133.4 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°	13625	13625	13625
5°	13552	13701	13701
10°	13056	13746	13735
15°	12568	13196	13785
20°	12313	12919	13840
25°	11456	12725	13832
30°	10588	12073	13861
35°	9743	11451	13913
40°	8934	10839	13909
45°	7805	9905	14000
50°	6603	9183	8664
55°	5609	7896	3624
60°	5199	5988	3737
65°	4830	5094	3923
70°	4559	4810	4124
75°	4206	4543	4256
80°	3847	4201	4490
85°	3414	3841	4826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 14000 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	4.5
10°-20°	252.8	12.7
20°-30°	367.5	18.5
30°-40°	416.1	20.9
40°-50°	388.7	19.6
50°-60°	220.9	11.1
60°-70°	138.8	7.0
70°-80°	85.1	4.3
80°-90°	26.7	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°	710.6	35.8
0°-40°	1126.8	56.7
0°-60°	1736.4	87.4
0°-90°	1987.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1987.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	944	953	954	951	954	89
15°	849	863	891	939	931	240
25°	726	740	806	842	876	333
35°	558	595	656	741	797	352
45°	386	426	490	622	692	301
55°	225	246	317	166	145	206
65°	143	148	150	131	116	143
75°	76	79	82	84	77	81
85°	21	22	23	26	29	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.4	952.4	952.4	952.4	952.4
2.5°	939.4	949.8	954.1	953.3	951.5
5°	943.7	953.3	954.1	950.7	954.1
7.5°	928.2	950.7	955.9	947.2	945.5
10°	898.8	911.7	946.3	949.8	945.5
12.5°	871.9	887.5	916.1	949.8	941.1
15°	848.6	863.3	891.0	939.4	930.8
17.5°	829.6	834.7	871.9	928.2	923.0
20°	808.8	819.2	848.6	900.5	909.1
22.5°	756.0	784.6	824.4	876.3	893.6
25°	725.8	739.6	806.2	842.5	876.3
27.5°	688.6	713.6	776.8	816.6	860.7
30°	641.0	669.5	730.9	789.8	839.1
32.5°	617.6	628.0	692.0	768.1	814.9
35°	557.9	595.1	655.7	741.3	796.7
37.5°	517.3	539.8	613.3	715.4	769.0
40°	478.4	504.3	580.4	686.8	744.8
42.5°	441.2	464.5	545.0	658.3	724.0
45°	385.8	425.6	489.6	622.0	692.0
47.5°	347.7	372.8	446.4	577.8	501.7
50°	296.7	327.0	412.6	396.2	389.3
52.5°	259.5	275.9	372.0	334.8	154.0
55°	224.9	245.7	316.6	166.1	145.3
57.5°	199.0	212.8	243.1	154.0	138.4
60°	181.7	185.1	209.3	147.1	130.6
62.5°	162.6	166.1	166.9	139.3	122.8
65°	142.7	147.9	150.5	130.6	115.9
67.5°	128.0	128.9	132.3	121.1	109.0
70°	109.0	110.7	115.0	110.7	98.6
72.5°	92.6	95.2	97.7	98.6	88.2
75°	76.1	78.7	82.2	83.9	77.0
77.5°	62.3	63.1	66.6	70.9	65.7
80°	46.7	49.3	51.0	55.4	54.5
82.5°	33.7	34.6	37.2	40.7	42.4
85°	20.8	21.6	23.4	26.0	29.4
87.5°	8.7	9.5	10.4	12.1	13.8
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	16.79	18.27	17.16	18.58	18.90	14.54	16.02	14.90	16.33	16.65
	3H	18.38	19.70	18.76	20.03	20.39	16.87	18.20	17.25	18.52	18.89
	4H	18.98	20.22	19.38	20.57	20.95	17.82	19.06	18.22	19.41	19.79
	6H	19.44	20.59	19.86	20.95	21.35	18.61	19.75	19.02	20.12	20.51
	8H	19.59	20.68	20.02	21.07	21.47	18.92	20.00	19.34	20.39	20.80
	12H	19.69	20.74	20.13	21.12	21.55	19.16	20.20	19.59	20.59	21.02
4H	2H	17.36	18.60	17.76	18.95	19.33	15.69	16.93	16.10	17.28	17.66
	3H	19.18	20.21	19.59	20.61	21.01	18.13	19.16	18.54	19.56	19.96
	4H	19.92	20.84	20.35	21.26	21.70	19.18	20.10	19.61	20.52	20.96
	6H	20.51	21.31	20.97	21.75	22.22	20.08	20.88	20.53	21.32	21.78
	8H	20.71	21.46	21.17	21.90	22.37	20.42	21.17	20.89	21.62	22.09
	12H	20.85	21.52	21.33	22.00	22.47	20.71	21.38	21.19	21.86	22.33
8H	4H	20.22	20.97	20.69	21.42	21.89	19.58	20.33	20.05	20.78	21.25
	6H	20.94	21.57	21.44	22.06	22.54	20.63	21.25	21.12	21.74	22.22
	8H	21.22	21.78	21.73	22.29	22.78	21.07	21.63	21.58	22.14	22.63
	12H	21.44	21.93	21.95	22.42	22.99	21.45	21.95	21.96	22.44	23.01
12H	4H	20.26	20.93	20.74	21.41	21.88	19.62	20.29	20.10	20.77	21.24
	6H	21.01	21.57	21.52	22.08	22.57	20.69	21.26	21.21	21.77	22.26
	8H	21.34	21.84	21.85	22.33	22.90	21.20	21.70	21.71	22.19	22.76