

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: P892554

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-175-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-2SL-LVRF-UNV-L935
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with LOUVER WITH FROSTED INLAY, 90CRI, 3500K C
Light Source: -
Ballast/Driver: -

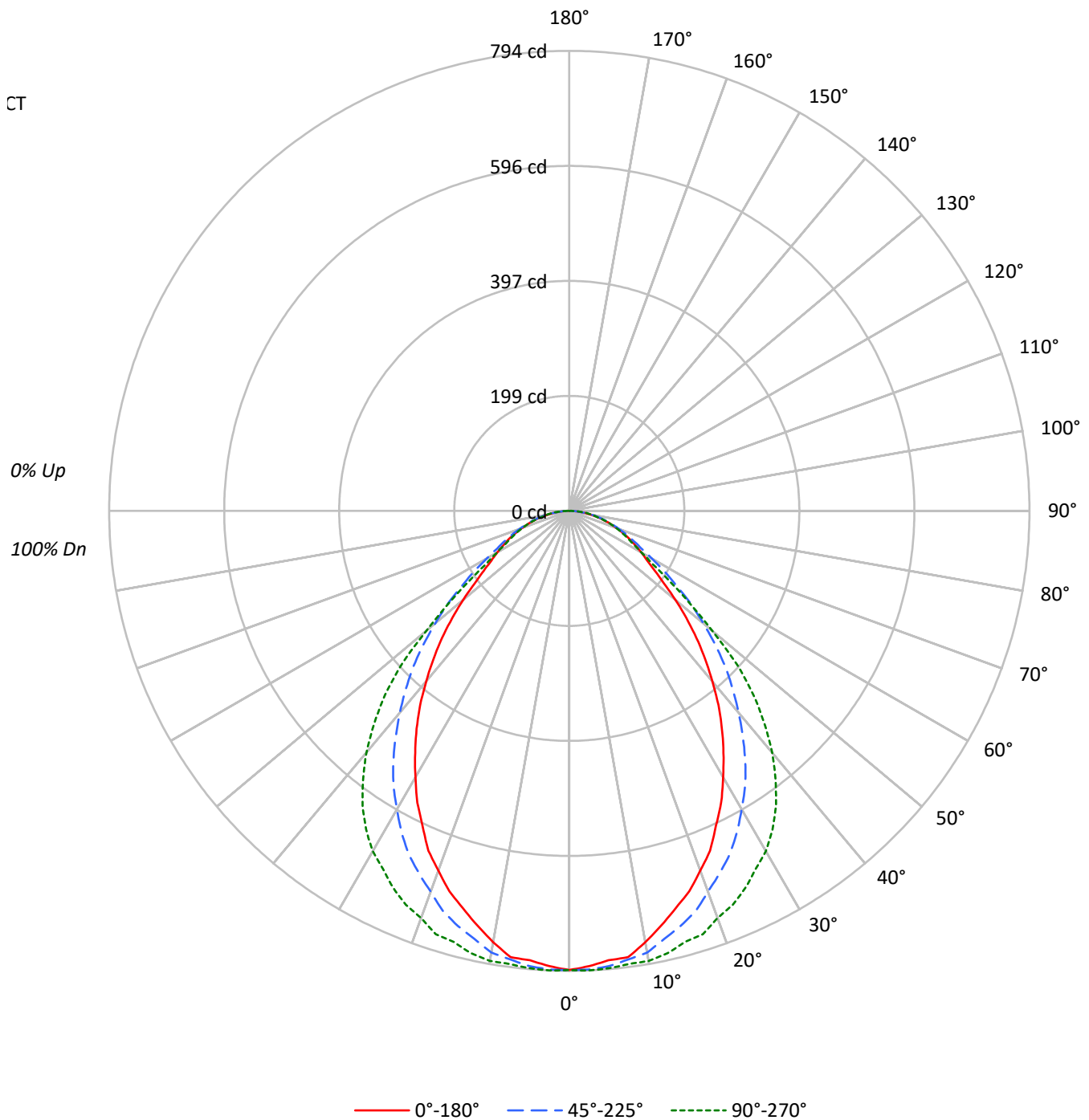
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1606.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.26 / 1.21
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 (Ain): 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	100		
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87		
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75		
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65		
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57		
5	80	69	61	54	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	54	47	43	52	47	42	41		
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37		
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33		
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11336	11336	11336
5°	11179	11326	11379
10°	10979	11245	11457
15°	10509	10988	11410
20°	10057	10647	11383
25°	9456	10334	11339
30°	8771	9824	11203
35°	8019	9247	10859
40°	7167	8493	10176
45°	6282	7704	9098
50°	5312	6714	7155
55°	4494	5644	5243
60°	4106	4715	4129
65°	3893	4140	3744
70°	3643	3827	3585
75°	3399	3604	3438
80°	3139	3378	3320
85°	2758	3004	3611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 9098 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	4.7
10°-20°	209.2	13.0
20°-30°	301.5	18.8
30°-40°	332.6	20.7
40°-50°	291.1	18.1
50°-60°	191.3	11.9
60°-70°	116.9	7.3
70°-80°	67.6	4.2
80°-90°	21.0	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°	585.5	36.5
0°-40°	918.1	57.2
0°-60°	1400.5	87.2
0°-90°	1606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1606.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	792	792	792	792	792	
5°	778	786	789	793	792	74
15°	710	721	742	766	770	200
25°	599	620	655	694	718	276
35°	459	479	530	588	622	286
45°	310	330	381	428	450	239
55°	180	190	226	227	210	164
65°	115	115	122	117	111	113
75°	62	62	65	67	62	65
85°	17	17	18	20	22	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	792.4	792.4	792.4	792.4	792.4
2.5°	786.5	790.9	792.4	795.3	793.9
5°	778.5	786.5	788.7	793.1	792.4
7.5°	777.0	774.1	780.7	789.5	788.7
10°	755.8	761.6	774.1	787.3	788.7
12.5°	733.1	742.6	756.5	779.2	782.2
15°	709.6	721.4	741.9	766.0	770.4
17.5°	688.4	700.1	724.3	751.4	766.0
20°	660.6	676.7	699.4	733.1	747.7
22.5°	634.9	648.1	677.4	714.0	736.0
25°	599.1	619.6	654.7	694.3	718.4
27.5°	567.6	586.6	626.2	670.1	696.5
30°	531.0	552.2	594.7	643.7	678.2
32.5°	495.1	514.8	564.6	615.2	652.5
35°	459.2	479.0	529.5	588.1	621.8
37.5°	422.6	443.1	492.1	552.2	584.4
40°	383.8	407.2	454.8	514.1	544.9
42.5°	347.1	369.1	417.4	475.3	498.7
45°	310.5	329.6	380.8	427.7	449.7
47.5°	273.9	292.2	341.3	380.1	392.5
50°	238.7	255.6	301.7	325.9	321.5
52.5°	205.8	221.2	265.1	274.6	262.2
55°	180.2	189.7	226.3	227.0	210.2
57.5°	158.9	166.2	194.8	187.5	169.2
60°	143.5	145.7	164.8	156.7	144.3
62.5°	128.2	129.6	139.9	134.0	124.5
65°	115.0	115.0	122.3	117.2	110.6
67.5°	100.3	101.1	106.2	103.3	98.1
70°	87.1	87.1	91.5	91.5	85.7
72.5°	74.0	74.0	77.6	78.4	74.7
75°	61.5	61.5	65.2	66.6	62.2
77.5°	49.8	49.8	52.7	54.9	49.8
80°	38.1	38.1	41.0	43.2	40.3
82.5°	27.1	27.8	29.3	31.5	31.5
85°	16.8	16.8	18.3	19.8	22.0
87.5°	7.3	8.1	8.8	9.5	11.0
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	15.85	17.32	16.21	17.64	17.95	16.59	18.07	16.96	18.38	18.70
	3H	17.44	18.77	17.82	19.09	19.46	17.93	19.25	18.31	19.58	19.94
	4H	18.06	19.30	18.46	19.65	20.03	18.51	19.74	18.91	20.09	20.47
	6H	18.54	19.68	18.95	20.05	20.44	18.96	20.10	19.38	20.47	20.86
	8H	18.70	19.78	19.12	20.17	20.58	19.14	20.23	19.57	20.62	21.02
	12H	18.80	19.84	19.23	20.22	20.65	19.29	20.33	19.73	20.72	21.15
4H	2H	16.47	17.71	16.87	18.06	18.44	17.07	18.31	17.47	18.66	19.04
	3H	18.28	19.31	18.69	19.71	20.11	18.68	19.70	19.09	20.10	20.50
	4H	19.02	19.94	19.45	20.35	20.79	19.41	20.33	19.84	20.74	21.18
	6H	19.62	20.42	20.07	20.86	21.32	20.02	20.82	20.47	21.26	21.72
	8H	19.82	20.57	20.28	21.01	21.48	20.25	21.00	20.72	21.45	21.92
	12H	19.97	20.64	20.45	21.12	21.59	20.46	21.13	20.94	21.61	22.08
8H	4H	19.33	20.08	19.79	20.52	20.99	19.67	20.42	20.14	20.87	21.33
	6H	20.05	20.67	20.55	21.16	21.64	20.43	21.05	20.93	21.54	22.02
	8H	20.33	20.89	20.85	21.40	21.89	20.75	21.31	21.27	21.82	22.31
	12H	20.56	21.05	21.07	21.54	22.11	21.05	21.54	21.56	22.04	22.60
12H	4H	19.36	20.03	19.84	20.51	20.98	19.69	20.36	20.17	20.84	21.31
	6H	20.12	20.68	20.63	21.19	21.68	20.48	21.03	20.99	21.54	22.03
	8H	20.46	20.95	20.97	21.45	22.01	20.86	21.36	21.37	21.85	22.42