

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: P892652

Luminaire Tested: 2MB-3SL-LVR-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892652
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-3SL-LVR-UNV-L950
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

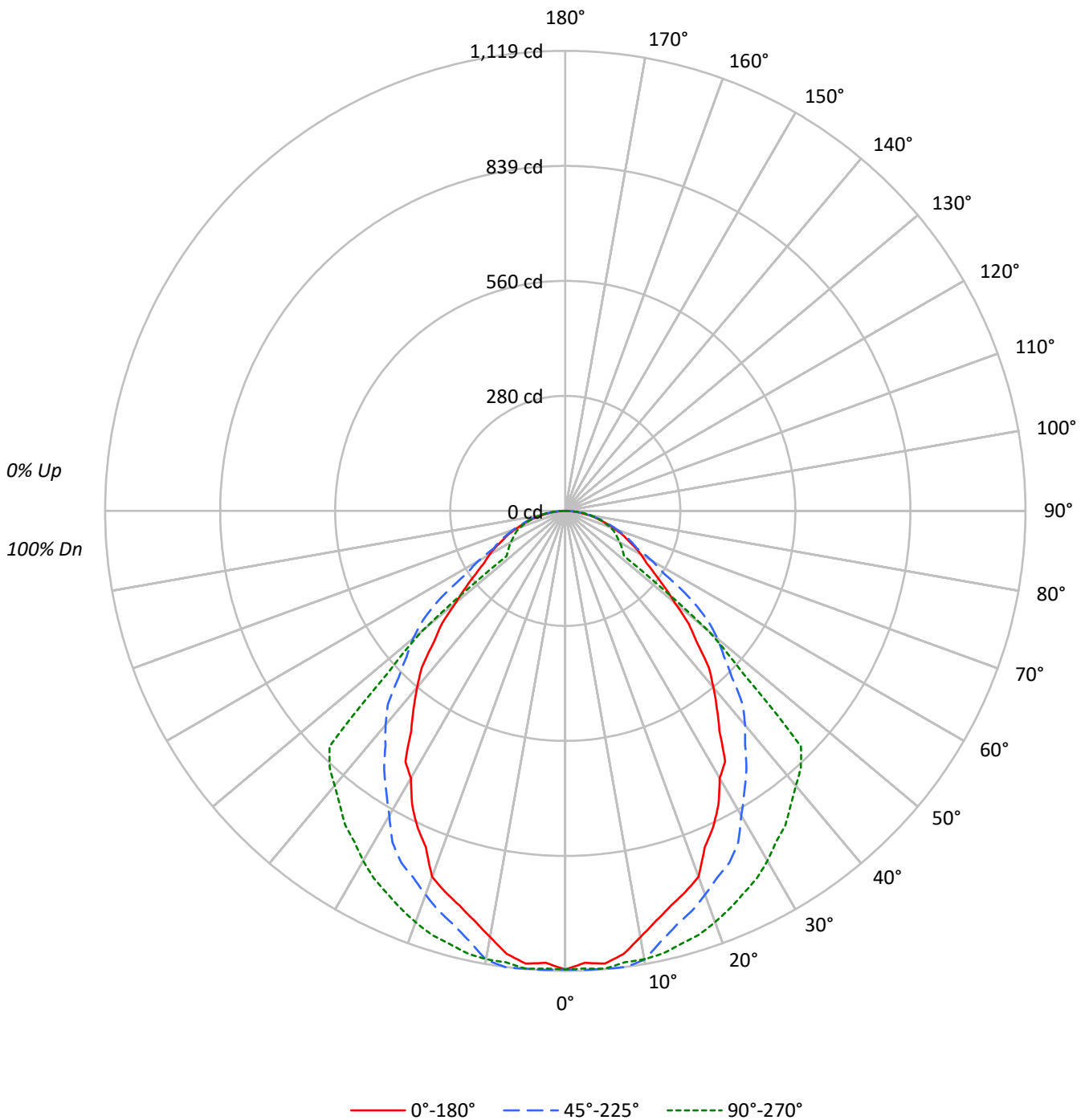
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2327.0 lumens
Efficiency: N/A
Efficacy: 110.8 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): 21
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 8
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°	15956	15956	15956
5°	15871	16046	16046
10°	15290	16099	16085
15°	14718	15453	16143
20°	14420	15129	16209
25°	13415	14904	16198
30°	12400	14140	16233
35°	11411	13410	16294
40°	10461	12695	16288
45°	9140	11600	16395
50°	7734	10754	10146
55°	6569	9248	4245
60°	6086	7015	4377
65°	5660	5968	4593
70°	5337	5634	4831
75°	4925	5317	4986
80°	4506	4926	5256
85°	3989	4497	5646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 16395 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	4.5
10°-20°	296.1	12.7
20°-30°	430.4	18.5
30°-40°	487.3	20.9
40°-50°	455.2	19.6
50°-60°	258.7	11.1
60°-70°	162.5	7.0
70°-80°	99.7	4.3
80°-90°	31.3	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°	832.2	35.8
0°-40°	1319.6	56.7
0°-60°	2033.5	87.4
0°-90°	2327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1105	1116	1117	1113	1117	104
15°	994	1011	1043	1100	1090	281
25°	850	866	944	987	1026	390
35°	653	697	768	868	933	412
45°	452	498	573	728	810	352
55°	263	288	371	194	170	241
65°	167	173	176	153	136	168
75°	89	92	96	98	90	95
85°	24	25	27	30	34	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1115.4	1115.4	1115.4	1115.4	1115.4
2.5°	1100.2	1112.3	1117.4	1116.4	1114.3
5°	1105.2	1116.4	1117.4	1113.3	1117.4
7.5°	1087.0	1113.3	1119.4	1109.3	1107.3
10°	1052.6	1067.7	1108.3	1112.3	1107.3
12.5°	1021.1	1039.4	1072.8	1112.3	1102.2
15°	993.8	1011.0	1043.4	1100.2	1090.0
17.5°	971.5	977.6	1021.1	1087.0	1080.9
20°	947.2	959.4	993.8	1054.6	1064.7
22.5°	885.4	918.8	965.4	1026.2	1046.5
25°	849.9	866.2	944.2	986.7	1026.2
27.5°	806.4	835.8	909.7	956.3	1008.0
30°	750.7	784.1	856.0	924.9	982.7
32.5°	723.3	735.5	810.4	899.6	954.3
35°	653.4	697.0	767.9	868.2	933.0
37.5°	605.8	632.1	718.2	837.8	900.6
40°	560.2	590.6	679.8	804.4	872.2
42.5°	516.7	544.0	638.2	770.9	847.9
45°	451.8	498.4	573.4	728.4	810.4
47.5°	407.2	436.6	522.7	676.7	587.6
50°	347.5	382.9	483.2	464.0	455.9
52.5°	303.9	323.2	435.6	392.0	180.3
55°	263.4	287.7	370.8	194.5	170.2
57.5°	233.0	249.2	284.7	180.3	162.1
60°	212.7	216.8	245.2	172.2	153.0
62.5°	190.5	194.5	195.5	163.1	143.9
65°	167.2	173.2	176.3	153.0	135.7
67.5°	149.9	150.9	155.0	141.8	127.6
70°	127.6	129.7	134.7	129.7	115.5
72.5°	108.4	111.4	114.5	115.5	103.3
75°	89.1	92.2	96.2	98.3	90.2
77.5°	72.9	74.0	78.0	83.1	77.0
80°	54.7	57.7	59.8	64.8	63.8
82.5°	39.5	40.5	43.6	47.6	49.6
85°	24.3	25.3	27.4	30.4	34.4
87.5°	10.1	11.1	12.2	14.2	16.2
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	17.34	18.82	17.71	19.13	19.45	15.09	16.57	15.45	16.88	17.19
	3H	18.93	20.25	19.31	20.58	20.94	17.42	18.74	17.80	19.07	19.43
	4H	19.53	20.77	19.93	21.12	21.50	18.37	19.61	18.77	19.95	20.33
	6H	19.99	21.14	20.40	21.50	21.89	19.16	20.30	19.57	20.67	21.06
	8H	20.14	21.23	20.57	21.62	22.02	19.46	20.55	19.89	20.94	21.34
	12H	20.24	21.28	20.67	21.67	22.10	19.71	20.75	20.14	21.13	21.56
4H	2H	17.91	19.15	18.31	19.50	19.88	16.24	17.48	16.64	17.83	18.21
	3H	19.73	20.76	20.14	21.16	21.56	18.68	19.71	19.09	20.11	20.51
	4H	20.47	21.39	20.90	21.80	22.24	19.73	20.65	20.16	21.07	21.51
	6H	21.06	21.86	21.52	22.30	22.76	20.63	21.43	21.08	21.87	22.33
	8H	21.25	22.01	21.72	22.45	22.92	20.97	21.72	21.43	22.17	22.63
	12H	21.40	22.07	21.88	22.55	23.02	21.26	21.93	21.74	22.41	22.88
8H	4H	20.77	21.52	21.24	21.97	22.44	20.13	20.88	20.60	21.33	21.80
	6H	21.49	22.12	21.99	22.61	23.09	21.18	21.80	21.67	22.29	22.77
	8H	21.77	22.33	22.28	22.84	23.33	21.61	22.17	22.13	22.68	23.17
	12H	21.98	22.48	22.49	22.97	23.54	22.00	22.50	22.51	22.99	23.55
12H	4H	20.81	21.48	21.29	21.96	22.43	20.17	20.84	20.65	21.32	21.79
	6H	21.56	22.12	22.07	22.63	23.12	21.24	21.81	21.76	22.32	22.80
	8H	21.89	22.39	22.40	22.88	23.45	21.75	22.25	22.26	22.74	23.30