

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: P893043

Luminaire Tested: 2MB-SC3-LVR-UNV-CC93-LOW-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893043
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-SC3-LVR-UNV-CC93-LOW-5000K
Description: Selectable 2FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 5000K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

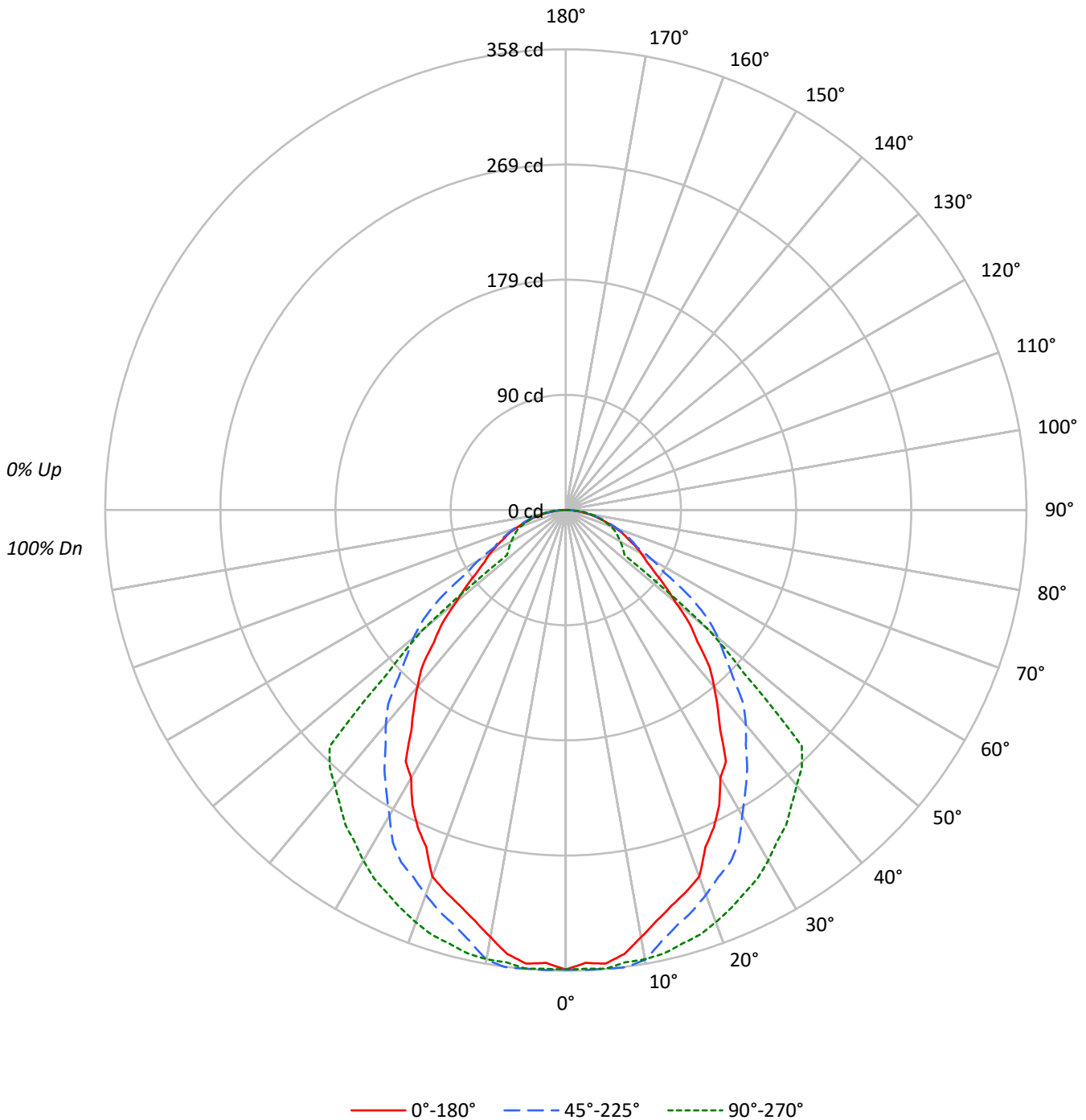
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 745.0 lumens
Efficiency: N/A
Efficacy: 108.0 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): 6.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
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°	5108	5108	5108
5°	5081	5137	5137
10°	4895	5154	5150
15°	4713	4948	5169
20°	4616	4844	5190
25°	4295	4772	5185
30°	3969	4528	5197
35°	3653	4293	5216
40°	3350	4064	5214
45°	2927	3714	5250
50°	2475	3443	3247
55°	2103	2960	1359
60°	1948	2246	1402
65°	1811	1909	1472
70°	1711	1803	1548
75°	1575	1702	1597
80°	1442	1573	1681
85°	1280	1444	1806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5250 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	4.5
10°-20°	94.8	12.7
20°-30°	137.8	18.5
30°-40°	156.0	20.9
40°-50°	145.8	19.6
50°-60°	82.8	11.1
60°-70°	52.0	7.0
70°-80°	31.9	4.3
80°-90°	10.0	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°	266.4	35.8
0°-40°	422.5	56.7
0°-60°	651.0	87.4
0°-90°	745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	357	357	357	357	357	
5°	354	357	358	356	358	33
15°	318	324	334	352	349	90
25°	272	277	302	316	328	125
35°	209	223	246	278	299	132
45°	145	160	184	233	260	113
55°	84	92	119	62	54	77
65°	54	56	56	49	44	54
75°	28	30	31	32	29	31
85°	8	8	9	10	11	9
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	357.1	357.1	357.1	357.1	357.1
2.5°	352.2	356.1	357.7	357.4	356.8
5°	353.8	357.4	357.7	356.4	357.7
7.5°	348.0	356.4	358.4	355.1	354.5
10°	337.0	341.8	354.8	356.1	354.5
12.5°	326.9	332.8	343.5	356.1	352.9
15°	318.2	323.7	334.1	352.2	349.0
17.5°	311.0	313.0	326.9	348.0	346.1
20°	303.2	307.1	318.2	337.6	340.9
22.5°	283.5	294.2	309.1	328.5	335.0
25°	272.1	277.3	302.3	315.9	328.5
27.5°	258.2	267.6	291.2	306.2	322.7
30°	240.3	251.0	274.1	296.1	314.6
32.5°	231.6	235.5	259.5	288.0	305.5
35°	209.2	223.1	245.8	278.0	298.7
37.5°	193.9	202.4	229.9	268.2	288.3
40°	179.4	189.1	217.6	257.5	279.2
42.5°	165.4	174.2	204.3	246.8	271.5
45°	144.7	159.6	183.6	233.2	259.5
47.5°	130.4	139.8	167.4	216.7	188.1
50°	111.2	122.6	154.7	148.5	145.9
52.5°	97.3	103.5	139.5	125.5	57.7
55°	84.3	92.1	118.7	62.3	54.5
57.5°	74.6	79.8	91.1	57.7	51.9
60°	68.1	69.4	78.5	55.1	49.0
62.5°	61.0	62.3	62.6	52.2	46.1
65°	53.5	55.5	56.4	49.0	43.5
67.5°	48.0	48.3	49.6	45.4	40.9
70°	40.9	41.5	43.1	41.5	37.0
72.5°	34.7	35.7	36.6	37.0	33.1
75°	28.5	29.5	30.8	31.5	28.9
77.5°	23.4	23.7	25.0	26.6	24.6
80°	17.5	18.5	19.1	20.8	20.4
82.5°	12.6	13.0	13.9	15.2	15.9
85°	7.8	8.1	8.8	9.7	11.0
87.5°	3.2	3.6	3.9	4.5	5.2
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	13.38	14.86	13.75	15.18	15.49	11.13	12.61	11.49	12.92	13.23
	3H	14.97	16.29	15.35	16.62	16.99	13.46	14.79	13.84	15.12	15.48
	4H	15.57	16.81	15.97	17.16	17.54	14.41	15.65	14.81	16.00	16.38
	6H	16.04	17.18	16.45	17.55	17.94	15.20	16.34	15.61	16.71	17.10
	8H	16.19	17.27	16.61	17.66	18.07	15.51	16.60	15.93	16.99	17.39
	12H	16.29	17.33	16.72	17.71	18.14	15.75	16.79	16.18	17.18	17.61
4H	2H	13.96	15.19	14.36	15.54	15.92	12.28	13.52	12.68	13.87	14.25
	3H	15.78	16.80	16.19	17.20	17.60	14.72	15.75	15.13	16.15	16.55
	4H	16.51	17.43	16.94	17.85	18.29	15.77	16.70	16.21	17.11	17.55
	6H	17.10	17.90	17.56	18.35	18.81	16.67	17.47	17.13	17.91	18.38
	8H	17.30	18.05	17.76	18.49	18.96	17.01	17.76	17.48	18.21	18.68
	12H	17.44	18.11	17.92	18.59	19.06	17.30	17.97	17.78	18.45	18.92
8H	4H	16.81	17.56	17.28	18.01	18.48	16.18	16.93	16.64	17.37	17.84
	6H	17.54	18.16	18.03	18.65	19.13	17.22	17.84	17.72	18.33	18.81
	8H	17.81	18.37	18.32	18.88	19.37	17.66	18.22	18.17	18.73	19.22
	12H	18.03	18.52	18.54	19.02	19.58	18.04	18.54	18.55	19.03	19.59
12H	4H	16.85	17.52	17.33	18.00	18.47	16.21	16.88	16.70	17.36	17.84
	6H	17.60	18.16	18.12	18.67	19.16	17.29	17.85	17.80	18.36	18.85
	8H	17.93	18.43	18.44	18.92	19.49	17.79	18.29	18.30	18.78	19.35