

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: P893045

Luminaire Tested: 2MB-SC3-LVR-UNV-CC93-MID-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893045
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-MID-4000K
Description: Selectable 2FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 4000K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

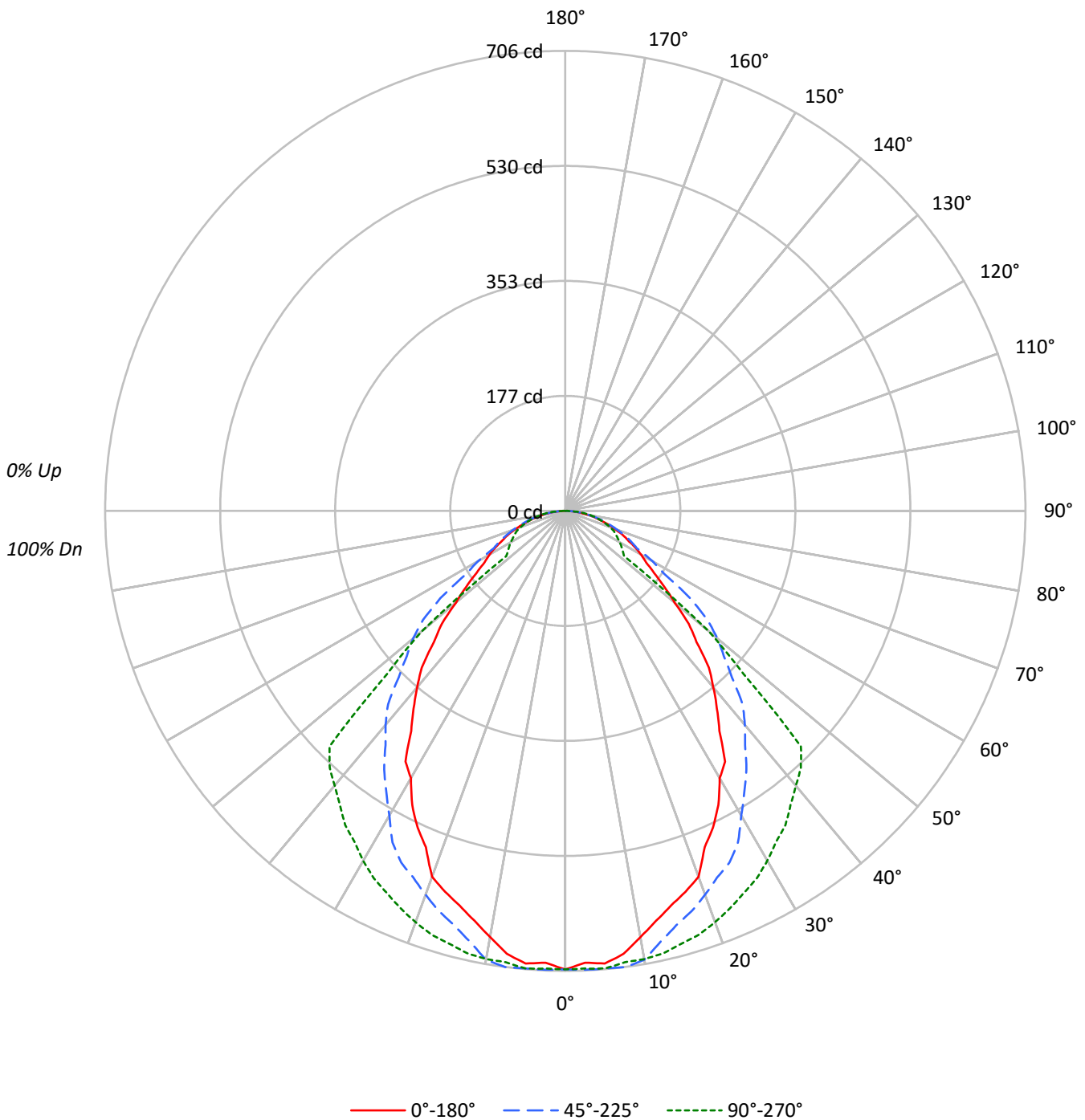
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1468.0 lumens
Efficiency: N/A
Efficacy: 105.6 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): 13.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
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°	10065	10065	10065
5°	10012	10122	10122
10°	9645	10157	10147
15°	9284	9750	10185
20°	9096	9544	10226
25°	8464	9401	10219
30°	7823	8920	10240
35°	7199	8459	10279
40°	6600	8008	10277
45°	5766	7318	10344
50°	4878	6783	6401
55°	4145	5834	2679
60°	3840	4426	2761
65°	3568	3764	2898
70°	3367	3555	3049
75°	3106	3355	3145
80°	2842	3106	3320
85°	2511	2840	3562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 10344 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	4.5
10°-20°	186.8	12.7
20°-30°	271.5	18.5
30°-40°	307.4	20.9
40°-50°	287.2	19.6
50°-60°	163.2	11.1
60°-70°	102.5	7.0
70°-80°	62.9	4.3
80°-90°	19.7	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°	525.0	35.8
0°-40°	832.4	56.7
0°-60°	1282.8	87.4
0°-90°	1468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1468.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	697	704	705	702	705	65
15°	627	638	658	694	688	177
25°	536	546	596	622	647	246
35°	412	440	484	548	589	260
45°	285	314	362	460	511	222
55°	166	182	234	123	107	152
65°	105	109	111	96	86	106
75°	56	58	61	62	57	60
85°	15	16	17	19	22	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	703.6	703.6	703.6	703.6	703.6
2.5°	694.0	701.7	704.9	704.3	703.0
5°	697.2	704.3	704.9	702.4	704.9
7.5°	685.7	702.4	706.2	699.8	698.5
10°	664.0	673.6	699.2	701.7	698.5
12.5°	644.2	655.7	676.8	701.7	695.3
15°	626.9	637.8	658.3	694.0	687.7
17.5°	612.9	616.7	644.2	685.7	681.9
20°	597.5	605.2	626.9	665.3	671.7
22.5°	558.6	579.6	609.0	647.4	660.2
25°	536.2	546.4	595.6	622.5	647.4
27.5°	508.7	527.2	573.9	603.3	635.9
30°	473.6	494.6	540.0	583.5	619.9
32.5°	456.3	464.0	511.3	567.5	602.0
35°	412.2	439.7	484.4	547.7	588.6
37.5°	382.2	398.8	453.1	528.5	568.1
40°	353.4	372.6	428.8	507.4	550.3
42.5°	325.9	343.2	402.6	486.3	534.9
45°	285.0	314.4	361.7	459.5	511.3
47.5°	256.9	275.4	329.8	426.9	370.7
50°	219.2	241.6	304.8	292.7	287.6
52.5°	191.7	203.9	274.8	247.3	113.8
55°	166.2	181.5	233.9	122.7	107.4
57.5°	147.0	157.2	179.6	113.8	102.3
60°	134.2	136.8	154.7	108.6	96.5
62.5°	120.1	122.7	123.3	102.9	90.7
65°	105.4	109.3	111.2	96.5	85.6
67.5°	94.6	95.2	97.8	89.5	80.5
70°	80.5	81.8	85.0	81.8	72.9
72.5°	68.4	70.3	72.2	72.9	65.2
75°	56.2	58.2	60.7	62.0	56.9
77.5°	46.0	46.7	49.2	52.4	48.6
80°	34.5	36.4	37.7	40.9	40.3
82.5°	24.9	25.6	27.5	30.0	31.3
85°	15.3	16.0	17.3	19.2	21.7
87.5°	6.4	7.0	7.7	8.9	10.2
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	15.74	17.22	16.11	17.53	17.85	13.49	14.97	13.85	15.28	15.60
	3H	17.33	18.65	17.71	18.98	19.34	15.82	17.15	16.20	17.47	17.84
	4H	17.93	19.17	18.33	19.52	19.90	16.77	18.01	17.17	18.36	18.74
	6H	18.39	19.53	18.80	19.90	20.29	17.56	18.70	17.97	19.07	19.46
	8H	18.54	19.63	18.97	20.02	20.42	17.87	18.95	18.29	19.34	19.75
	12H	18.64	19.68	19.07	20.07	20.50	18.11	19.15	18.54	19.54	19.97
4H	2H	16.31	17.55	16.71	17.90	18.28	14.64	15.88	15.04	16.23	16.61
	3H	18.13	19.16	18.54	19.56	19.96	17.08	18.11	17.49	18.51	18.91
	4H	18.87	19.79	19.30	20.20	20.64	18.13	19.05	18.56	19.47	19.91
	6H	19.46	20.26	19.92	20.70	21.16	19.03	19.83	19.48	20.27	20.73
	8H	19.65	20.41	20.12	20.85	21.32	19.37	20.12	19.84	20.57	21.03
	12H	19.80	20.47	20.28	20.95	21.42	19.66	20.33	20.14	20.81	21.28
8H	4H	19.17	19.92	19.64	20.37	20.83	18.53	19.28	19.00	19.73	20.20
	6H	19.89	20.51	20.39	21.01	21.49	19.58	20.20	20.07	20.69	21.17
	8H	20.17	20.73	20.68	21.24	21.73	20.01	20.57	20.53	21.09	21.57
	12H	20.38	20.88	20.89	21.37	21.94	20.40	20.90	20.91	21.39	21.95
12H	4H	19.21	19.88	19.69	20.36	20.83	18.57	19.24	19.05	19.72	20.19
	6H	19.96	20.52	20.47	21.03	21.52	19.64	20.21	20.16	20.72	21.21
	8H	20.29	20.79	20.80	21.28	21.85	20.15	20.65	20.66	21.14	21.70