

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: P893081

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893081
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-SC3-LVRF-UNV-CC93-MID-4000K
Description: Selectable 2FT MICROBAY LINEAR BAY with LOUVER WITH FROSTED INLAY, 90CRI, 4000K CCT
lumen setting
Light Source: -
Ballast/Driver: -

Summary

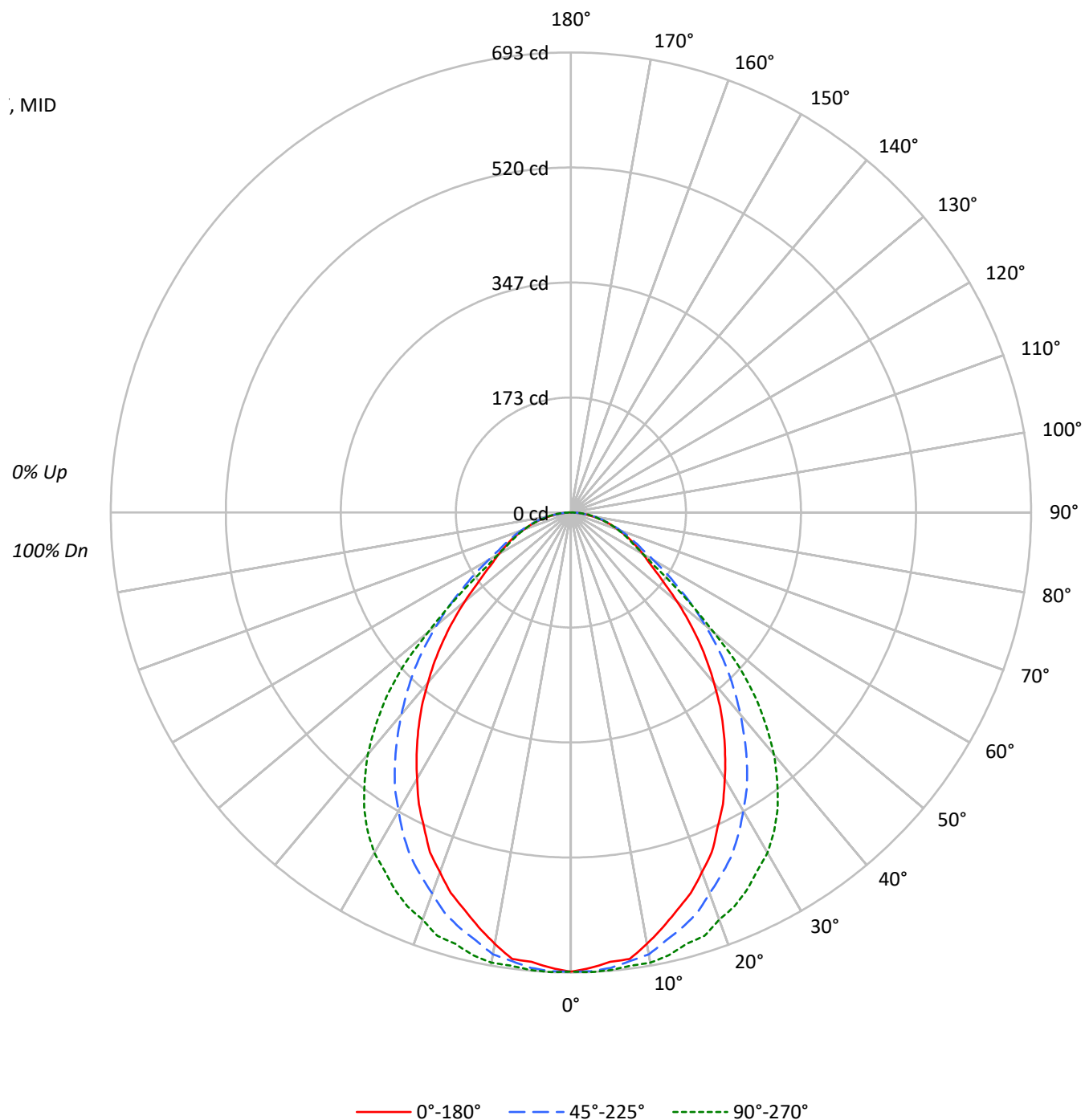
Lumens per Lamp: N/A
Luminaire Lumens: 1402.0 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.26 / 1.21
Luminous Opening: Rectangular (W 0.38' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	99	108	104	100	97	100	97	94		96	94	91		92
2	102	94	88	83	99	93	87	82	89	84	80		86	82	79		83
3	94	84	77	71	91	83	76	71	80	74	69		77	72	68		75
4	87	76	68	62	84	75	67	62	72	66	61		70	64	60		68
5	80	69	61	54	78	68	60	54	66	59	54		64	58	53		62
6	75	62	54	48	73	62	54	48	60	53	48		58	52	47		57
7	70	57	49	43	68	56	49	43	55	48	43		54	47	43		52
8	65	53	45	39	64	52	44	39	51	44	39		49	43	39		48
9	61	49	41	36	60	48	41	36	47	40	35		46	40	35		45
10	57	45	38	33	56	45	37	33	44	37	32		43	37	32		42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9895	9895	9895
5°	9759	9888	9933
10°	9584	9817	10003
15°	9175	9591	9961
20°	8779	9296	9938
25°	8255	9022	9900
30°	7656	8575	9779
35°	7001	8072	9479
40°	6256	7414	8883
45°	5485	6725	7941
50°	4638	5862	6247
55°	3923	4928	4577
60°	3585	4114	3602
65°	3399	3615	3266
70°	3183	3342	3129
75°	2968	3145	3001
80°	2735	2949	2900
85°	2413	2626	3151

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7941 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	4.7
10°-20°	182.6	13.0
20°-30°	263.2	18.8
30°-40°	290.3	20.7
40°-50°	254.1	18.1
50°-60°	167.0	11.9
60°-70°	102.1	7.3
70°-80°	59.0	4.2
80°-90°	18.3	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°	511.1	36.5
0°-40°	801.4	57.2
0°-60°	1222.6	87.2
0°-90°	1402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	680	687	689	692	692	65
15°	620	630	648	669	673	174
25°	523	541	572	606	627	241
35°	401	418	462	513	543	250
45°	271	288	332	373	392	209
55°	157	166	198	198	184	143
65°	100	100	107	102	96	99
75°	54	54	57	58	54	57
85°	15	15	16	17	19	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	691.7	691.7	691.7	691.7	691.7
2.5°	686.6	690.5	691.7	694.3	693.0
5°	679.6	686.6	688.6	692.4	691.7
7.5°	678.3	675.8	681.5	689.2	688.6
10°	659.8	664.9	675.8	687.3	688.6
12.5°	640.0	648.3	660.4	680.2	682.8
15°	619.5	629.7	647.6	668.7	672.6
17.5°	601.0	611.2	632.3	655.9	668.7
20°	576.7	590.7	610.6	640.0	652.8
22.5°	554.3	565.8	591.4	623.3	642.5
25°	523.0	540.9	571.6	606.1	627.2
27.5°	495.5	512.1	546.6	585.0	608.0
30°	463.5	482.1	519.1	562.0	592.0
32.5°	432.2	449.4	492.9	537.0	569.6
35°	400.9	418.1	462.2	513.4	542.8
37.5°	368.9	386.8	429.6	482.1	510.2
40°	335.0	355.5	397.0	448.8	475.7
42.5°	303.0	322.2	364.4	414.9	435.4
45°	271.1	287.7	332.4	373.4	392.5
47.5°	239.1	255.1	297.9	331.8	342.7
50°	208.4	223.1	263.4	284.5	280.7
52.5°	179.7	193.1	231.4	239.7	228.9
55°	157.3	165.6	197.6	198.2	183.5
57.5°	138.7	145.1	170.1	163.7	147.7
60°	125.3	127.2	143.8	136.8	125.9
62.5°	111.9	113.2	122.1	117.0	108.7
65°	100.4	100.4	106.8	102.3	96.5
67.5°	87.6	88.2	92.7	90.1	85.7
70°	76.1	76.1	79.9	79.9	74.8
72.5°	64.6	64.6	67.8	68.4	65.2
75°	53.7	53.7	56.9	58.2	54.3
77.5°	43.5	43.5	46.0	47.9	43.5
80°	33.2	33.2	35.8	37.7	35.2
82.5°	23.7	24.3	25.6	27.5	27.5
85°	14.7	14.7	16.0	17.3	19.2
87.5°	6.4	7.0	7.7	8.3	9.6
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	15.38	16.85	15.74	17.16	17.48	16.12	17.60	16.49	17.91	18.23
	3H	16.97	18.29	17.35	18.62	18.98	17.46	18.78	17.84	19.11	19.47
	4H	17.59	18.83	17.99	19.18	19.56	18.03	19.27	18.44	19.62	20.00
	6H	18.07	19.21	18.48	19.58	19.97	18.49	19.63	18.90	20.00	20.39
	8H	18.23	19.31	18.65	19.70	20.10	18.67	19.76	19.10	20.15	20.55
	12H	18.33	19.37	18.76	19.75	20.18	18.82	19.86	19.25	20.25	20.67
4H	2H	16.00	17.24	16.40	17.59	17.97	16.60	17.84	17.00	18.19	18.57
	3H	17.81	18.83	18.22	19.24	19.64	18.21	19.23	18.62	19.63	20.03
	4H	18.55	19.47	18.98	19.88	20.32	18.93	19.86	19.37	20.27	20.71
	6H	19.14	19.95	19.60	20.39	20.85	19.55	20.35	20.00	20.79	21.25
	8H	19.35	20.10	19.81	20.54	21.01	19.78	20.53	20.25	20.98	21.45
	12H	19.50	20.17	19.98	20.65	21.12	19.99	20.65	20.47	21.13	21.61
8H	4H	18.86	19.61	19.32	20.05	20.52	19.20	19.95	19.67	20.40	20.86
	6H	19.58	20.20	20.08	20.69	21.17	19.96	20.58	20.45	21.07	21.55
	8H	19.86	20.42	20.38	20.93	21.42	20.28	20.84	20.80	21.35	21.84
	12H	20.09	20.58	20.60	21.07	21.64	20.58	21.07	21.09	21.56	22.13
12H	4H	18.89	19.56	19.37	20.04	20.51	19.22	19.89	19.70	20.37	20.84
	6H	19.65	20.20	20.16	20.72	21.20	20.00	20.56	20.52	21.07	21.56
	8H	19.99	20.48	20.50	20.98	21.54	20.39	20.89	20.90	21.38	21.94

END OF REPORT