

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: P893062

Luminaire Tested: 2MB-SC3-LVRA-UNV-CC93-MID-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-26)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-SC3-LVRA-UNV-CC93-MID-3500K
Description: Selectable 2FT MICROBAY LINEAR BAY with LOUVER WITH AISLE OPTIC, 90CRI, 3500K CCT, MI lumen setting
Light Source: -
Ballast/Driver: -

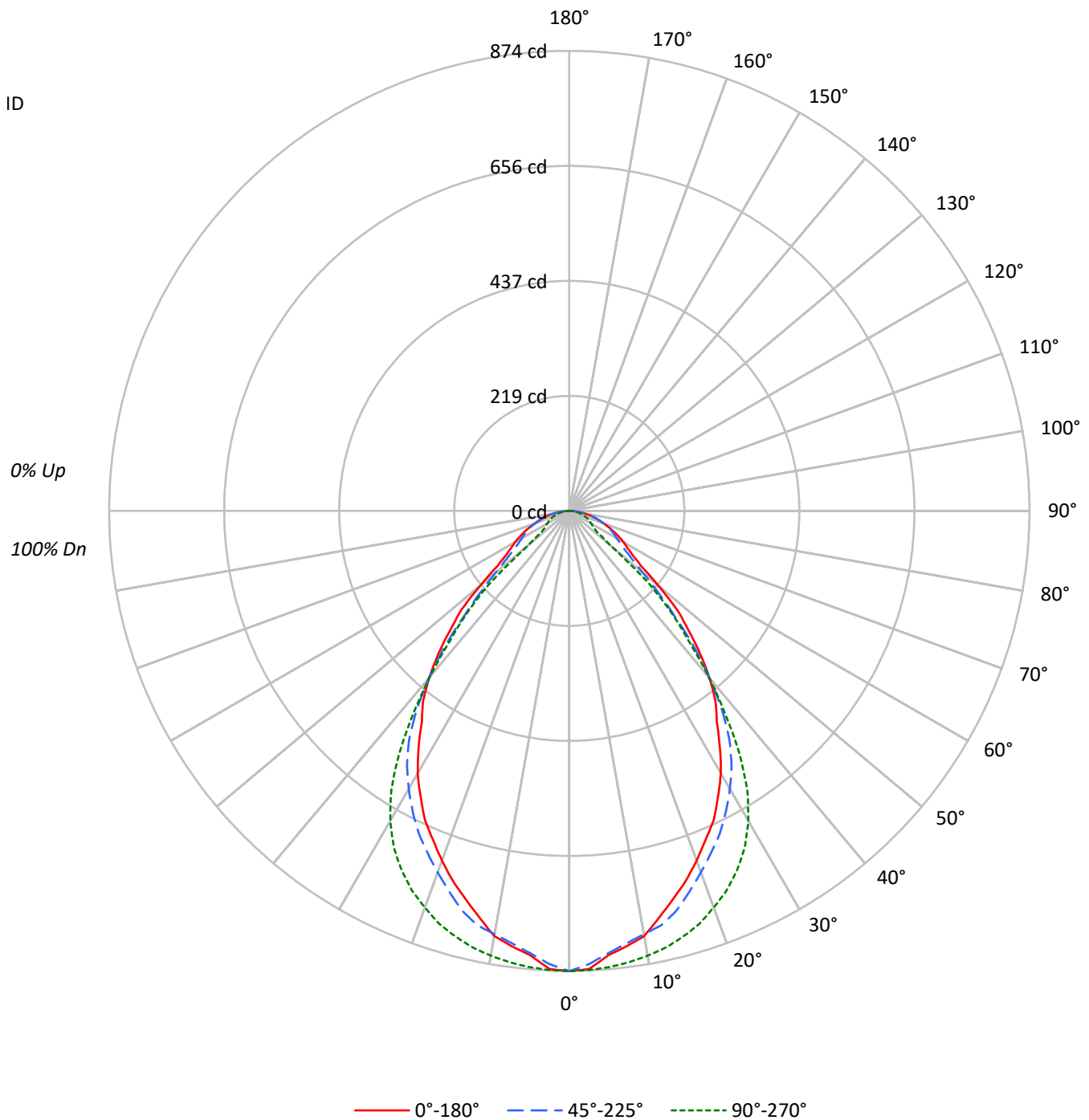
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1419.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.16 / 1.12
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

TEST NUMBER: P893062
CATALOG NUMBER: 2MB-SC3-LVRA-UNV-CC93-MID-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P893062
 CATALOG NUMBER: 2MB-SC3-LVRA-UNV-CC93-MID-3500K

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	80	80	80	78
3	96	87	80	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12507	12507	12507
5°	12170	12116	12493
10°	11911	11859	12465
15°	11297	11644	12395
20°	10762	11125	12206
25°	10236	10675	11894
30°	9510	10076	11231
35°	8528	9259	9850
40°	7726	7742	7701
45°	6460	5721	5580
50°	4881	4026	2281
55°	3669	3220	1439
60°	3410	2967	1385
65°	3172	2958	1388
70°	2903	2903	1368
75°	2753	2830	1321
80°	2546	2669	1351
85°	2216	2331	1477

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6609 cd/sqm



TEST NUMBER: P893062

CATALOG NUMBER: 2MB-SC3-LVRA-UNV-CC93-MID-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	5.7
10°-20°	222.5	15.7
20°-30°	315.6	22.2
30°-40°	325.1	22.9
40°-50°	227.1	16.0
50°-60°	109.0	7.7
60°-70°	76.4	5.4
70°-80°	47.8	3.4
80°-90°	14.8	1.0
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°	618.9	43.6
0°-40°	944.0	66.5
0°-60°	1280.0	90.2
0°-90°	1419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	848	846	844	866	870	80
15°	763	768	786	809	837	215
25°	648	655	676	722	754	297
35°	488	502	530	541	564	308
45°	319	327	283	268	276	246
55°	147	140	129	83	58	138
65°	94	88	87	66	41	93
75°	50	49	51	44	24	52
85°	14	14	14	14	9	15
90°	0	0	0	0	0	



TEST NUMBER: P893062

CATALOG NUMBER: 2MB-SC3-LVRA-UNV-CC93-MID-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	874.3	874.3	874.3	874.3	874.3
2.5°	870.9	868.2	861.7	873.7	872.8
5°	847.5	846.4	843.7	865.8	870.0
7.5°	834.2	832.0	828.8	853.1	865.1
10°	820.0	822.7	816.4	838.7	858.1
12.5°	790.7	797.9	806.5	823.9	849.5
15°	762.8	768.4	786.2	808.8	836.9
17.5°	736.6	743.2	758.5	792.3	822.3
20°	706.9	715.9	730.8	774.1	801.8
22.5°	676.3	684.6	703.3	749.7	780.6
25°	648.5	655.1	676.3	722.0	753.5
27.5°	611.8	624.0	644.0	688.2	721.3
30°	575.7	586.1	610.0	647.2	679.9
32.5°	532.3	547.4	573.7	602.1	629.4
35°	488.3	501.6	530.2	541.3	564.0
37.5°	456.3	459.9	476.1	474.8	487.6
40°	413.7	420.9	414.6	397.7	412.4
42.5°	367.8	376.3	350.9	331.3	336.4
45°	319.3	326.7	282.8	268.4	275.8
47.5°	277.4	276.7	228.0	218.4	208.0
50°	219.3	226.5	180.9	162.9	102.5
52.5°	171.3	174.0	149.2	104.1	67.4
55°	147.1	139.9	129.1	82.7	57.7
57.5°	130.7	121.7	114.5	76.8	52.7
60°	119.2	109.1	103.7	73.0	48.4
62.5°	106.1	98.2	96.2	69.6	44.6
65°	93.7	87.7	87.4	66.5	41.0
67.5°	81.3	78.0	78.9	62.6	37.0
70°	69.4	68.7	69.4	57.7	32.7
72.5°	59.3	58.6	60.4	51.4	27.9
75°	49.8	49.1	51.2	44.2	23.9
77.5°	39.7	40.1	41.5	36.7	20.1
80°	30.9	30.9	32.4	28.8	16.4
82.5°	22.1	22.3	23.2	21.2	12.8
85°	13.5	13.5	14.2	14.0	9.0
87.5°	4.5	5.2	6.1	6.5	4.5
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P893062
 CATALOG NUMBER: 2MB-SC3-LVRA-UNV-CC93-MID-3500K

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	14.43	15.78	14.79	16.09	16.41	10.75	12.11	11.12	12.42	12.73
	3H	16.16	17.37	16.54	17.70	18.06	12.73	13.94	13.11	14.27	14.63
	4H	16.83	17.96	17.24	18.31	18.69	13.44	14.56	13.84	14.91	15.30
	6H	17.34	18.38	17.76	18.75	19.14	13.96	15.00	14.37	15.37	15.76
	8H	17.51	18.50	17.94	18.89	19.29	14.14	15.13	14.57	15.52	15.92
	12H	17.62	18.57	18.05	18.95	19.38	14.28	15.22	14.71	15.61	16.04
4H	2H	14.95	16.08	15.36	16.43	16.81	12.38	13.50	12.78	13.85	14.24
	3H	16.93	17.86	17.34	18.26	18.67	14.56	15.49	14.97	15.89	16.29
	4H	17.73	18.57	18.17	18.99	19.43	15.44	16.27	15.87	16.69	17.13
	6H	18.38	19.10	18.84	19.55	20.01	16.08	16.80	16.54	17.25	17.71
	8H	18.60	19.27	19.07	19.72	20.19	16.29	16.96	16.75	17.41	17.88
	12H	18.75	19.35	19.24	19.83	20.31	16.44	17.04	16.93	17.53	18.00
8H	4H	18.02	18.69	18.49	19.14	19.61	16.09	16.76	16.55	17.21	17.68
	6H	18.80	19.36	19.30	19.85	20.33	16.95	17.50	17.45	18.00	18.48
	8H	19.10	19.60	19.62	20.12	20.61	17.27	17.77	17.79	18.29	18.78
	12H	19.34	19.78	19.85	20.27	20.84	17.54	17.98	18.05	18.47	19.04
12H	4H	18.03	18.63	18.52	19.12	19.59	16.16	16.76	16.64	17.24	17.71
	6H	18.85	19.35	19.37	19.87	20.36	17.08	17.58	17.60	18.10	18.59
	8H	19.22	19.66	19.73	20.15	20.72	17.50	17.94	18.01	18.43	19.00