

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: P893038

Luminaire Tested: 2MB-SC3-LVR-UNV-CC93-HI-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893038
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-HI-3500K
Description: Selectable 2FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 3500K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

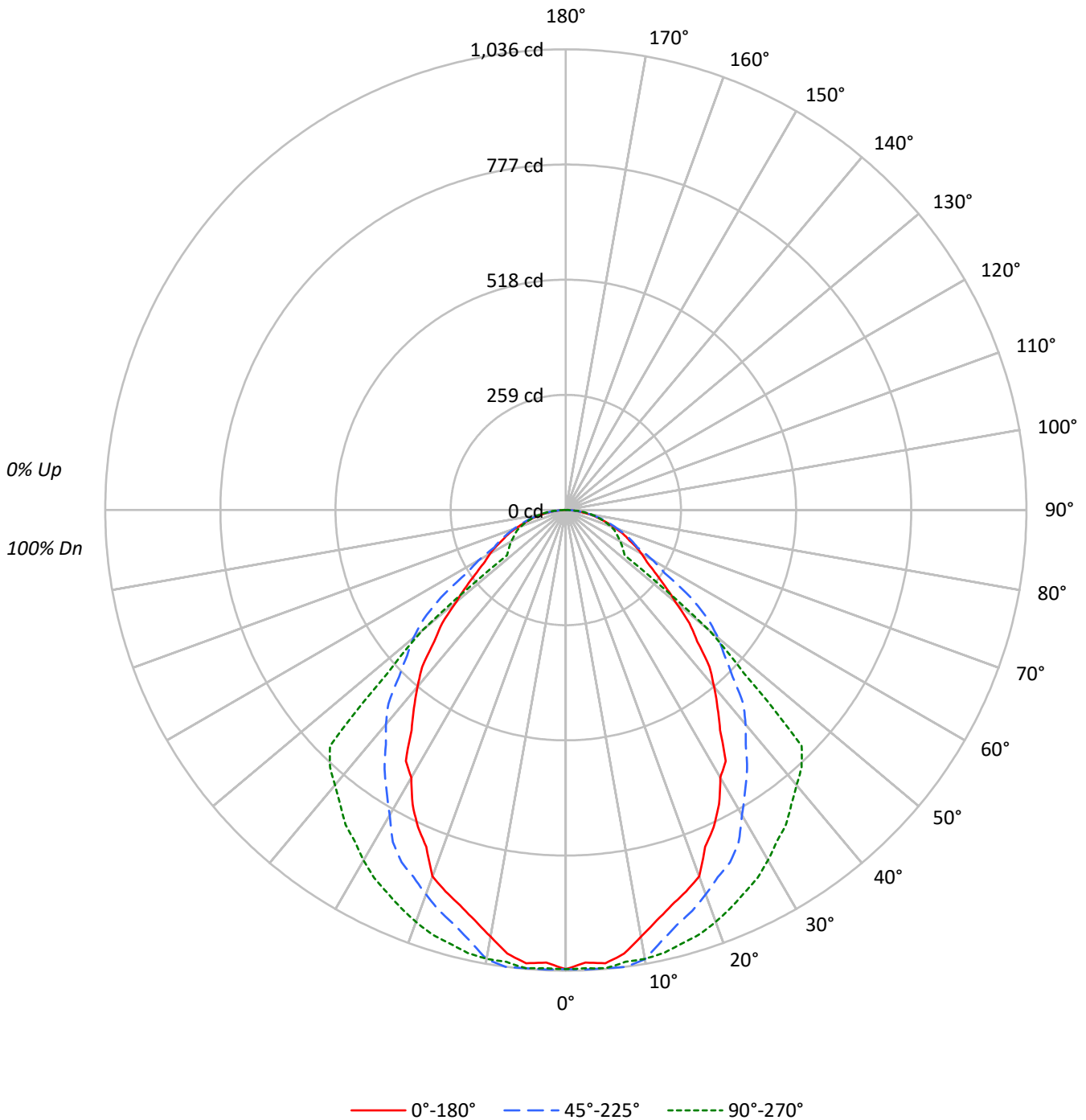
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2154.0 lumens
Efficiency: N/A
Efficacy: 102.6 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): 21
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893038
CATALOG NUMBER: 2MB-SC3-LVR-UNV-CC93-HI-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P893038

CATALOG NUMBER: 2MB-SC3-LVR-UNV-CC93-HI-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	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°	14769	14769	14769
5°	14692	14853	14853
10°	14153	14902	14888
15°	13624	14305	14943
20°	13348	14004	15004
25°	12419	13796	14994
30°	11479	13089	15025
35°	10562	12413	15082
40°	9685	11750	15078
45°	8461	10739	15177
50°	7157	9955	9392
55°	6081	8560	3928
60°	5634	6492	4051
65°	5237	5524	4255
70°	4944	5216	4471
75°	4560	4925	4615
80°	4169	4556	4869
85°	3693	4153	5236

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 15177 cd/sqm



TEST NUMBER: P893038
 CATALOG NUMBER: 2MB-SC3-LVR-UNV-CC93-HI-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	4.5
10°-20°	274.1	12.7
20°-30°	398.4	18.5
30°-40°	451.1	20.9
40°-50°	421.4	19.6
50°-60°	239.4	11.1
60°-70°	150.5	7.0
70°-80°	92.3	4.3
80°-90°	29.0	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°	770.4	35.8
0°-40°	1221.5	56.7
0°-60°	1882.3	87.4
0°-90°	2154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1023	1033	1034	1031	1034	96
15°	920	936	966	1018	1009	260
25°	787	802	874	913	950	361
35°	605	645	711	804	864	381
45°	418	461	531	674	750	326
55°	244	266	343	180	158	223
65°	155	160	163	142	126	155
75°	82	85	89	91	84	88
85°	22	23	25	28	32	26
90°	0	0	0	0	0	



TEST NUMBER: P893038

CATALOG NUMBER: 2MB-SC3-LVR-UNV-CC93-HI-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1032.4	1032.4	1032.4	1032.4	1032.4
2.5°	1018.4	1029.6	1034.3	1033.4	1031.5
5°	1023.1	1033.4	1034.3	1030.6	1034.3
7.5°	1006.2	1030.6	1036.2	1026.8	1024.9
10°	974.3	988.4	1025.9	1029.6	1024.9
12.5°	945.2	962.1	993.1	1029.6	1020.2
15°	919.9	935.9	965.9	1018.4	1009.0
17.5°	899.3	904.9	945.2	1006.2	1000.6
20°	876.8	888.0	919.9	976.2	985.6
22.5°	819.6	850.5	893.7	949.9	968.7
25°	786.8	801.8	874.0	913.3	949.9
27.5°	746.4	773.6	842.1	885.2	933.0
30°	694.9	725.8	792.4	856.1	909.6
32.5°	669.5	680.8	750.2	832.7	883.3
35°	604.8	645.2	710.8	803.6	863.6
37.5°	560.8	585.1	664.8	775.5	833.6
40°	518.6	546.7	629.2	744.6	807.4
42.5°	478.2	503.6	590.8	713.6	784.9
45°	418.2	461.4	530.8	674.2	750.2
47.5°	377.0	404.2	483.9	626.4	543.9
50°	321.6	354.5	447.3	429.5	422.0
52.5°	281.3	299.1	403.2	362.9	166.9
55°	243.8	266.3	343.2	180.0	157.5
57.5°	215.7	230.7	263.5	166.9	150.0
60°	196.9	200.7	226.9	159.4	141.6
62.5°	176.3	180.0	181.0	151.0	133.2
65°	154.7	160.4	163.2	141.6	125.7
67.5°	138.8	139.7	143.5	131.3	118.2
70°	118.2	120.0	124.7	120.0	106.9
72.5°	100.3	103.2	106.0	106.9	95.6
75°	82.5	85.3	89.1	91.0	83.5
77.5°	67.5	68.5	72.2	76.9	71.3
80°	50.6	53.5	55.3	60.0	59.1
82.5°	36.6	37.5	40.3	44.1	45.9
85°	22.5	23.4	25.3	28.1	31.9
87.5°	9.4	10.3	11.3	13.1	15.0
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P893038
 CATALOG NUMBER: 2MB-SC3-LVR-UNV-CC93-HI-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	17.07	18.55	17.44	18.87	19.18	14.82	16.30	15.18	16.61	16.92
	3H	18.66	19.98	19.04	20.31	20.67	17.15	18.48	17.53	18.80	19.17
	4H	19.26	20.50	19.66	20.85	21.23	18.10	19.34	18.50	19.69	20.07
	6H	19.72	20.87	20.14	21.23	21.63	18.89	20.03	19.30	20.40	20.79
	8H	19.87	20.96	20.30	21.35	21.76	19.20	20.29	19.62	20.68	21.08
	12H	19.98	21.02	20.41	21.40	21.83	19.44	20.48	19.87	20.87	21.30
4H	2H	17.64	18.88	18.04	19.23	19.61	15.97	17.21	16.38	17.56	17.94
	3H	19.46	20.49	19.88	20.89	21.29	18.41	19.44	18.82	19.84	20.24
	4H	20.20	21.12	20.63	21.54	21.98	19.46	20.39	19.90	20.80	21.24
	6H	20.79	21.59	21.25	22.04	22.50	20.36	21.16	20.82	21.60	22.07
	8H	20.99	21.74	21.45	22.18	22.65	20.70	21.45	21.17	21.90	22.37
	12H	21.13	21.80	21.61	22.28	22.75	20.99	21.66	21.47	22.14	22.61
8H	4H	20.50	21.25	20.97	21.70	22.17	19.86	20.62	20.33	21.06	21.53
	6H	21.23	21.85	21.72	22.34	22.82	20.91	21.53	21.41	22.02	22.50
	8H	21.50	22.06	22.01	22.57	23.06	21.35	21.91	21.86	22.42	22.91
	12H	21.72	22.21	22.23	22.71	23.27	21.73	22.23	22.24	22.72	23.29
12H	4H	20.54	21.21	21.02	21.69	22.16	19.90	20.57	20.39	21.05	21.52
	6H	21.29	21.85	21.81	22.36	22.85	20.98	21.54	21.49	22.05	22.54
	8H	21.62	22.12	22.13	22.61	23.18	21.48	21.98	21.99	22.47	23.04