

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: P893056

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893056
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-HI-3500K
Description: Selectable 2FT MICROBAY LINEAR BAY with LOUVER WITH AISLE OPTIC, 90CRI, 3500K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

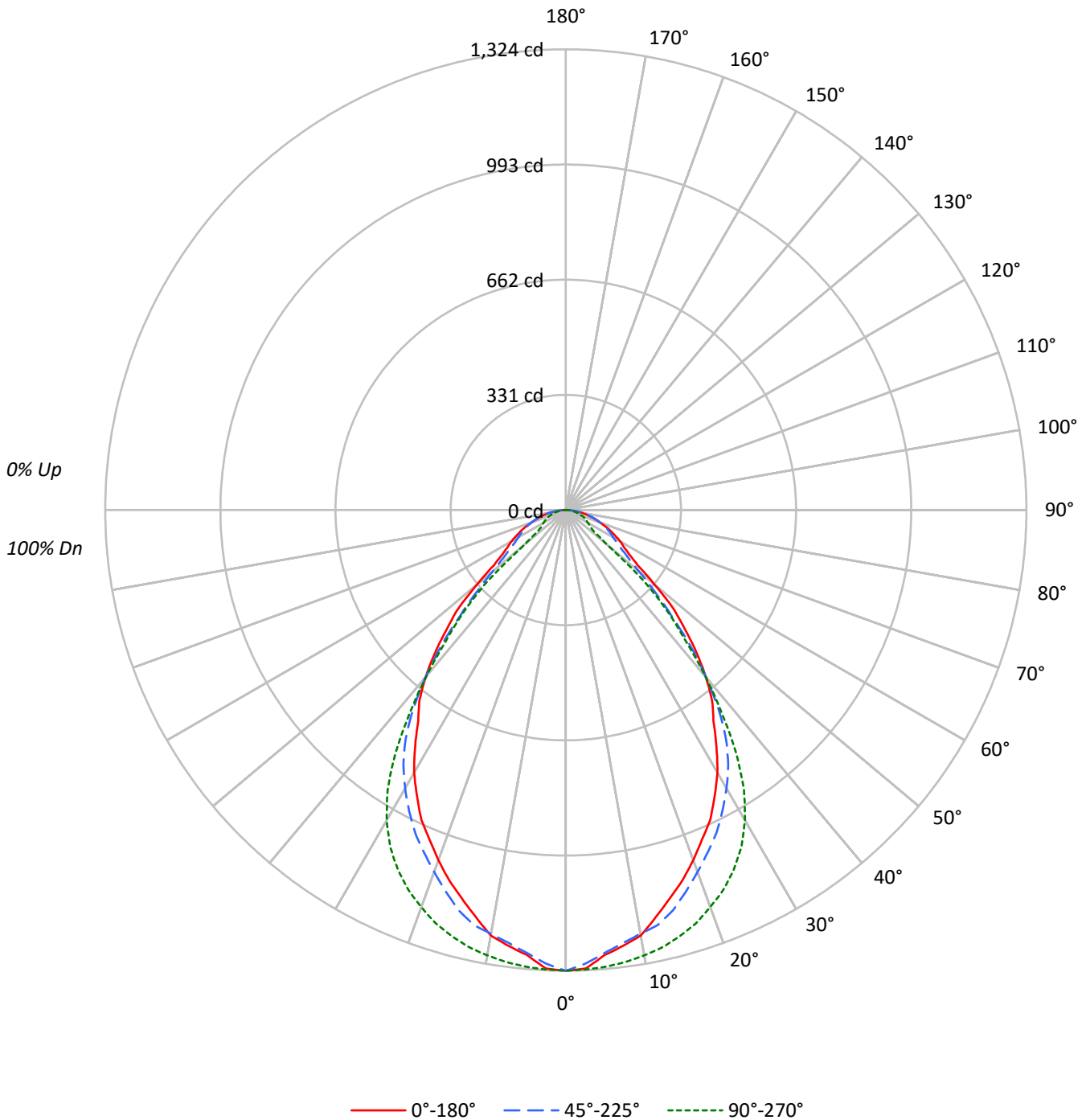
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2149.0 lumens
Efficiency: N/A
Efficacy: 102.3 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): 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

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78		
3	96	87	80	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	50		
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45		
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18942	18942	18942
5°	18431	18348	18921
10°	18040	17960	18878
15°	17109	17634	18772
20°	16298	16848	18484
25°	15503	16165	18013
30°	14403	15260	17008
35°	12914	14023	14918
40°	11701	11726	11662
45°	9784	8665	8450
50°	7391	6098	3456
55°	5557	4876	2180
60°	5164	4492	2100
65°	4807	4482	2102
70°	4396	4396	2070
75°	4168	4284	2001
80°	3855	4045	2051
85°	3365	3529	2249

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 10010 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	5.7
10°-20°	337.0	15.7
20°-30°	477.9	22.2
30°-40°	492.3	22.9
40°-50°	343.9	16.0
50°-60°	165.0	7.7
60°-70°	115.8	5.4
70°-80°	72.4	3.4
80°-90°	22.4	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°	937.2	43.6
0°-40°	1429.6	66.5
0°-60°	1938.5	90.2
0°-90°	2149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2149.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1284	1282	1278	1311	1318	121
15°	1155	1164	1191	1225	1268	325
25°	982	992	1024	1093	1141	449
35°	740	760	803	820	854	466
45°	484	495	428	406	418	373
55°	223	212	196	125	87	209
65°	142	133	132	101	62	141
75°	75	74	78	67	36	79
85°	20	20	22	21	14	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1324.1	1324.1	1324.1	1324.1	1324.1
2.5°	1319.0	1314.9	1305.0	1323.1	1321.7
5°	1283.5	1281.8	1277.7	1311.2	1317.6
7.5°	1263.4	1260.0	1255.2	1292.0	1310.1
10°	1241.9	1246.0	1236.4	1270.2	1299.6
12.5°	1197.5	1208.4	1221.4	1247.7	1286.6
15°	1155.2	1163.7	1190.7	1224.8	1267.5
17.5°	1115.6	1125.5	1148.7	1199.9	1245.3
20°	1070.6	1084.2	1106.7	1172.3	1214.2
22.5°	1024.1	1036.8	1065.1	1135.4	1182.2
25°	982.2	992.1	1024.1	1093.4	1141.2
27.5°	926.5	945.0	975.3	1042.2	1092.4
30°	871.9	887.6	923.8	980.1	1029.6
32.5°	806.1	828.9	868.9	911.9	953.2
35°	739.5	759.7	803.0	819.7	854.2
37.5°	691.1	696.5	721.1	719.1	738.5
40°	626.6	637.5	627.9	602.3	624.5
42.5°	557.0	569.9	531.4	501.7	509.5
45°	483.6	494.8	428.3	406.5	417.7
47.5°	420.1	419.1	345.4	330.7	315.0
50°	332.1	343.0	274.0	246.7	155.3
52.5°	259.4	263.5	225.9	157.7	102.0
55°	222.8	211.9	195.5	125.2	87.4
57.5°	197.9	184.3	173.4	116.4	79.9
60°	180.5	165.2	157.0	110.6	73.4
62.5°	160.7	148.8	145.7	105.5	67.6
65°	142.0	132.8	132.4	100.7	62.1
67.5°	123.2	118.1	119.4	94.9	56.0
70°	105.1	104.1	105.1	87.4	49.5
72.5°	89.8	88.7	91.5	77.8	42.3
75°	75.4	74.4	77.5	66.9	36.2
77.5°	60.1	60.7	62.8	55.6	30.4
80°	46.8	46.8	49.1	43.7	24.9
82.5°	33.4	33.8	35.2	32.1	19.5
85°	20.5	20.5	21.5	21.2	13.7
87.5°	6.8	7.8	9.2	9.9	6.8
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	15.87	17.22	16.23	17.53	17.85	12.20	13.55	12.57	13.87	14.18
	3H	17.61	18.81	17.98	19.14	19.51	14.18	15.38	14.56	15.71	16.08
	4H	18.28	19.40	18.68	19.75	20.14	14.88	16.01	15.28	16.36	16.74
	6H	18.78	19.82	19.20	20.19	20.59	15.40	16.44	15.82	16.81	17.21
	8H	18.95	19.94	19.38	20.33	20.73	15.59	16.57	16.02	16.97	17.37
	12H	19.06	20.01	19.50	20.39	20.82	15.73	16.67	16.16	17.05	17.48
4H	2H	16.40	17.52	16.80	17.87	18.26	13.82	14.95	14.22	15.30	15.68
	3H	18.37	19.30	18.79	19.71	20.11	16.00	16.93	16.41	17.33	17.74
	4H	19.18	20.01	19.61	20.43	20.87	16.88	17.72	17.31	18.13	18.58
	6H	19.82	20.54	20.28	20.99	21.45	17.52	18.25	17.98	18.69	19.16
	8H	20.04	20.72	20.51	21.16	21.63	17.73	18.41	18.20	18.85	19.32
	12H	20.19	20.79	20.68	21.28	21.75	17.89	18.49	18.38	18.97	19.45
8H	4H	19.46	20.14	19.93	20.58	21.05	17.53	18.20	18.00	18.65	19.12
	6H	20.24	20.80	20.74	21.29	21.77	18.39	18.94	18.89	19.44	19.92
	8H	20.55	21.04	21.07	21.56	22.05	18.72	19.22	19.24	19.73	20.22
	12H	20.78	21.22	21.29	21.72	22.29	18.98	19.42	19.50	19.92	20.49
12H	4H	19.48	20.08	19.96	20.56	21.03	17.60	18.20	18.09	18.68	19.16
	6H	20.30	20.80	20.82	21.31	21.80	18.53	19.03	19.05	19.54	20.03
	8H	20.66	21.10	21.17	21.60	22.17	18.94	19.38	19.45	19.88	20.45