

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: P892553

Luminaire Tested: 2MB-2SL-LVRF-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892553
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-2SL-LVRF-UNV-L930
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with LOUVER WITH FROSTED INLAY, 90CRI, 3000K C
Light Source: -
Ballast/Driver: -

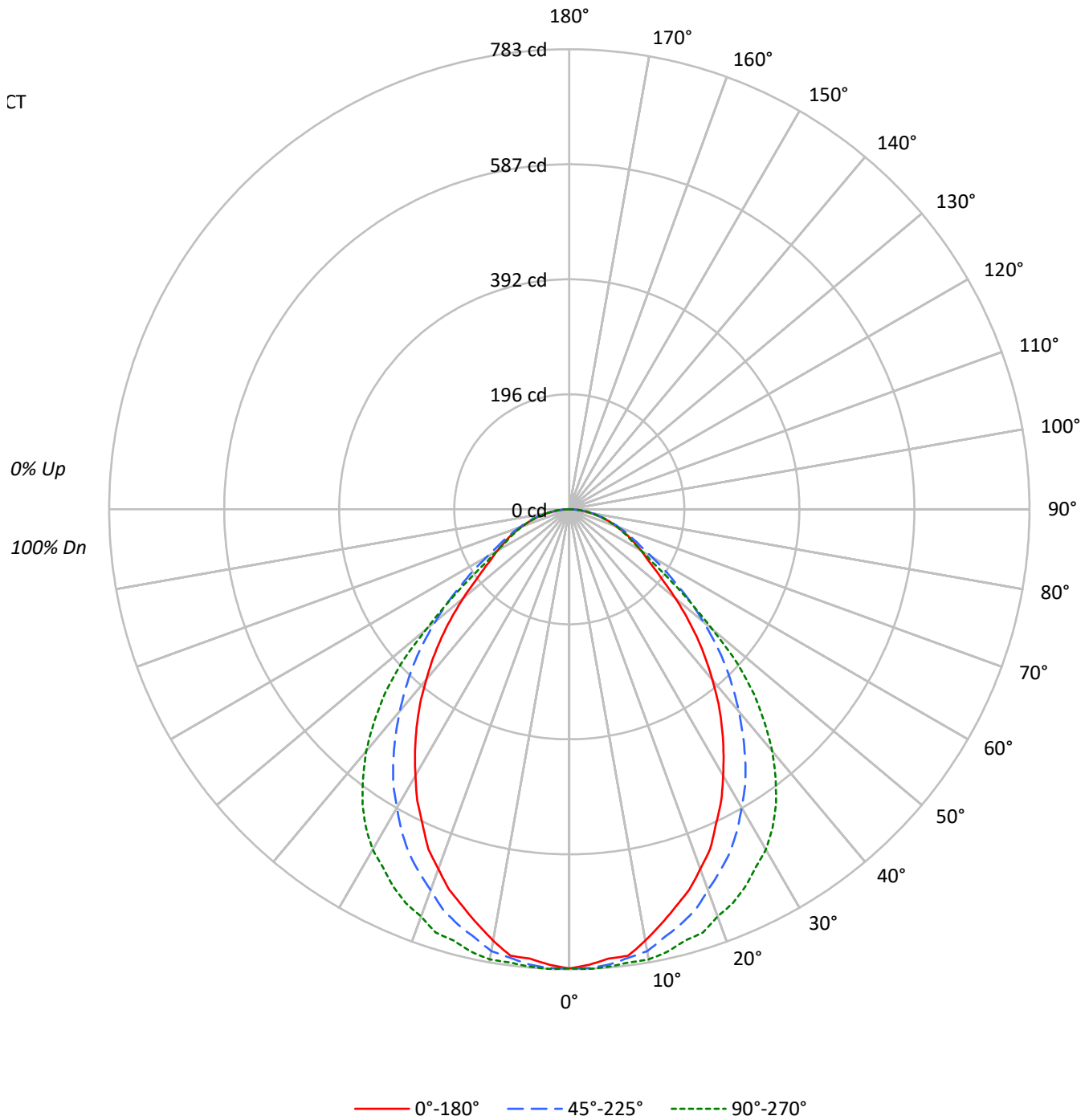
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1584.0 lumens
Efficiency: N/A
Efficacy: 106.3 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): 14.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.92
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	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87		
2	102	94	88	83	99	93	87	82	89	84	80	86	82	79	83	80	77	75		
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65		
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57		
5	80	69	61	54	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	54	47	43	52	47	42	41		
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37		
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33		
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11180	11180	11180
5°	11026	11171	11222
10°	10828	11091	11300
15°	10366	10837	11254
20°	9918	10501	11227
25°	9327	10194	11185
30°	8651	9688	11049
35°	7909	9120	10709
40°	7068	8377	10036
45°	6197	7599	8972
50°	5241	6623	7057
55°	4432	5567	5170
60°	4051	4649	4071
65°	3839	4082	3693
70°	3597	3777	3534
75°	3355	3554	3394
80°	3098	3328	3271
85°	2725	2971	3562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8972 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	4.7
10°-20°	206.3	13.0
20°-30°	297.4	18.8
30°-40°	328.0	20.7
40°-50°	287.1	18.1
50°-60°	188.7	11.9
60°-70°	115.3	7.3
70°-80°	66.7	4.2
80°-90°	20.7	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°	577.4	36.5
0°-40°	905.5	57.2
0°-60°	1381.3	87.2
0°-90°	1584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	768	776	778	782	782	73
15°	700	712	732	756	760	197
25°	591	611	646	685	709	272
35°	453	472	522	580	613	282
45°	306	325	376	422	444	236
55°	178	187	223	224	207	162
65°	113	113	121	116	109	112
75°	61	61	64	66	61	65
85°	17	17	18	20	22	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	781.5	781.5	781.5	781.5	781.5
2.5°	775.8	780.1	781.5	784.4	783.0
5°	767.8	775.8	777.9	782.3	781.5
7.5°	766.4	763.5	770.0	778.7	777.9
10°	745.4	751.2	763.5	776.5	777.9
12.5°	723.0	732.4	746.2	768.5	771.4
15°	699.9	711.5	731.7	755.5	759.9
17.5°	679.0	690.5	714.4	741.1	755.5
20°	651.5	667.4	689.8	723.0	737.5
22.5°	626.2	639.3	668.1	704.3	725.9
25°	590.9	611.1	645.8	684.8	708.6
27.5°	559.8	578.6	617.6	660.9	686.9
30°	523.7	544.6	586.5	634.9	668.9
32.5°	488.3	507.8	556.9	606.7	643.6
35°	452.9	472.4	522.2	580.0	613.2
37.5°	416.8	437.0	485.4	544.6	576.4
40°	378.5	401.6	448.6	507.1	537.4
42.5°	342.4	364.0	411.7	468.8	491.9
45°	306.3	325.0	375.6	421.8	443.5
47.5°	270.1	288.2	336.6	374.9	387.2
50°	235.5	252.1	297.6	321.4	317.1
52.5°	203.0	218.1	261.5	270.9	258.6
55°	177.7	187.1	223.2	223.9	207.3
57.5°	156.7	164.0	192.1	184.9	166.9
60°	141.6	143.7	162.5	154.6	142.3
62.5°	126.4	127.9	138.0	132.2	122.8
65°	113.4	113.4	120.6	115.6	109.1
67.5°	99.0	99.7	104.7	101.8	96.8
70°	86.0	86.0	90.3	90.3	84.5
72.5°	73.0	73.0	76.6	77.3	73.7
75°	60.7	60.7	64.3	65.7	61.4
77.5°	49.1	49.1	52.0	54.2	49.1
80°	37.6	37.6	40.4	42.6	39.7
82.5°	26.7	27.4	28.9	31.1	31.1
85°	16.6	16.6	18.1	19.5	21.7
87.5°	7.2	7.9	8.7	9.4	10.8
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	15.80	17.28	16.17	17.59	17.91	16.55	18.02	16.91	18.33	18.65
	3H	17.40	18.72	17.78	19.05	19.41	17.88	19.21	18.26	19.53	19.90
	4H	18.02	19.25	18.42	19.60	19.98	18.46	19.70	18.86	20.04	20.42
	6H	18.49	19.64	18.91	20.00	20.40	18.91	20.06	19.33	20.42	20.82
	8H	18.65	19.74	19.08	20.13	20.53	19.10	20.18	19.52	20.57	20.98
	12H	18.76	19.80	19.19	20.18	20.61	19.25	20.29	19.68	20.67	21.10
4H	2H	16.43	17.66	16.83	18.01	18.39	17.02	18.26	17.42	18.61	18.99
	3H	18.24	19.26	18.65	19.66	20.06	18.63	19.65	19.04	20.05	20.46
	4H	18.97	19.89	19.40	20.31	20.75	19.36	20.28	19.79	20.70	21.14
	6H	19.57	20.37	20.03	20.81	21.28	19.97	20.77	20.43	21.21	21.67
	8H	19.77	20.52	20.24	20.97	21.44	20.21	20.96	20.67	21.40	21.87
	12H	19.92	20.59	20.40	21.07	21.54	20.41	21.08	20.89	21.56	22.03
8H	4H	19.28	20.03	19.75	20.48	20.94	19.62	20.37	20.09	20.82	21.29
	6H	20.01	20.63	20.50	21.12	21.60	20.38	21.00	20.88	21.49	21.97
	8H	20.29	20.85	20.80	21.36	21.85	20.71	21.27	21.22	21.78	22.26
	12H	20.51	21.01	21.02	21.50	22.06	21.00	21.50	21.51	21.99	22.55
12H	4H	19.32	19.98	19.80	20.46	20.94	19.64	20.31	20.13	20.79	21.26
	6H	20.07	20.63	20.59	21.14	21.63	20.43	20.99	20.94	21.50	21.99
	8H	20.41	20.91	20.92	21.40	21.97	20.82	21.31	21.33	21.80	22.37