

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: P892514

Luminaire Tested: 2MB-2SL-ASYMR-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2410-248-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-2SL-ASYMR-UNV-L935
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

Summary

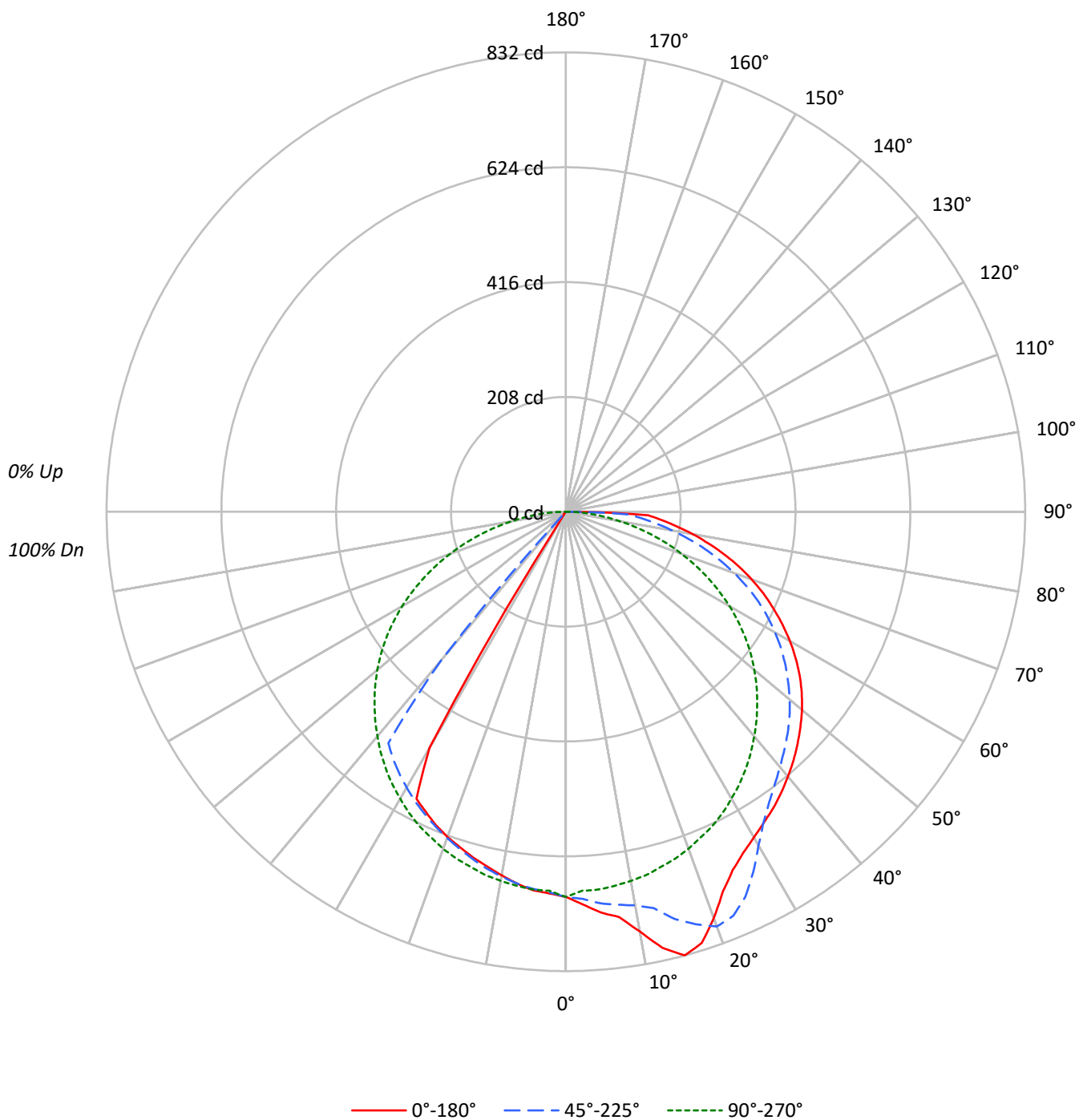
Lumens per Lamp: N/A
Luminaire Lumens: 1887.0 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.25
Luminous Opening: Rectangular (W 0.21' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
Input Voltage (V):
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

TEST NUMBER: P892514

CATALOG NUMBER: 2MB-2SL-ASYMR-UNV-L935

Luminous Intensity Polar Plot



TEST NUMBER: P892514

CATALOG NUMBER: 2MB-2SL-ASYMR-UNV-L935

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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83		
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69		
3	90	79	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50		
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44		
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39		
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	35		
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18208	18208	18208	18208	18208
5°	19095	18655	17997	17965	18028
10°	20458	19188	17993	17781	17728
15°	22480	20642	17999	17609	17523
20°	21763	22207	18045	17467	17412
25°	20620	22161	18088	17411	17284
30°	20533	21036	18088	17389	14884
35°	20879	20459	18116	17389	204
40°	21332	20558	18094	11993	136
45°	21917	20972	18096	222	89
50°	22680	21498	18107	162	32
55°	23546	22108	18057	109	18
60°	24489	22860	17894	42	21
65°	25637	23765	17569	49	49
70°	27351	24763	17015	61	61
75°	29939	26348	16281	161	81
80°	35137	29484	15080	241	120
85°	52302	41399	14109	359	240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 87.5°

Luminance: 89661 cd/sqm

TEST NUMBER: P892514

CATALOG NUMBER: 2MB-2SL-ASYMR-UNV-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	3.5
10°-20°	199.5	10.6
20°-30°	306.7	16.3
30°-40°	328.7	17.4
40°-50°	298.6	15.8
50°-60°	272.3	14.4
60°-70°	202.6	10.7
70°-80°	142.6	7.6
80°-90°	69.1	3.7
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°	573.1	30.4
0°-40°	901.8	47.8
0°-60°	1472.7	78.0
0°-90°	1887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1887.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	697	697	697	697	697	
5°	729	712	687	686	688	71
15°	832	764	666	652	648	230
25°	716	769	628	604	600	333
35°	655	642	568	546	6	410
45°	594	568	490	6	2	459
55°	517	486	397	2	0	462
65°	415	385	284	1	1	411
75°	297	261	161	2	1	313
85°	175	138	47	1	1	175
90°	0	0	0	0	0	

TEST NUMBER: P892514

CATALOG NUMBER: 2MB-2SL-ASYMR-UNV-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4	697.4
2.5°	711.8	703.8	701.8	707.4	687.1	700.6	689.5	691.8	691.8
5°	728.6	717.4	711.8	710.2	686.7	695.8	685.5	685.5	687.9
7.5°	740.2	727.8	717.8	713.8	683.1	691.0	679.1	679.1	679.1
10°	771.7	748.6	723.8	716.6	678.7	684.7	670.7	671.5	668.7
12.5°	808.9	788.1	735.4	715.4	673.9	676.7	661.9	661.5	658.3
15°	831.7	816.1	763.7	713.8	665.9	668.3	651.5	650.3	648.3
17.5°	818.9	816.5	783.3	712.6	658.7	656.7	639.9	638.7	637.1
20°	783.3	789.3	799.3	710.2	649.5	645.5	628.7	627.9	626.7
22.5°	743.8	749.8	792.1	714.2	638.3	633.5	616.8	616.0	614.4
25°	715.8	715.8	769.3	723.8	627.9	619.1	604.4	603.2	600.0
27.5°	696.2	692.6	735.4	734.6	614.8	604.8	591.2	590.0	586.0
30°	681.1	675.1	697.8	739.8	600.0	589.2	576.8	575.6	493.7
32.5°	667.5	661.1	666.3	744.2	585.2	572.4	561.6	400.6	17.6
35°	655.1	647.9	641.9	741.0	568.4	555.6	545.6	11.6	6.4
37.5°	641.1	635.5	621.9	724.2	550.4	537.7	528.1	6.4	5.6
40°	625.9	620.7	603.2	699.4	530.9	520.1	351.9	5.6	4.0
42.5°	610.4	606.4	585.6	663.5	511.3	500.5	11.2	4.4	3.2
45°	593.6	590.0	568.0	619.9	490.1	480.1	6.0	3.2	2.4
47.5°	576.4	571.2	549.6	573.2	468.6	458.6	5.2	2.4	1.6
50°	558.4	552.8	529.3	532.1	445.8	435.8	4.0	1.6	0.8
52.5°	538.5	531.7	507.7	494.9	421.8	412.6	3.2	0.8	0.4
55°	517.3	509.7	485.7	462.6	396.7	386.3	2.4	0.8	0.4
57.5°	493.7	485.3	462.6	431.8	369.9	261.2	1.6	0.8	0.4
60°	469.0	460.6	437.8	403.0	342.7	18.0	0.8	0.8	0.4
62.5°	442.6	433.8	411.8	373.9	313.6	14.8	0.8	0.8	0.8
65°	415.0	404.6	384.7	343.9	284.4	12.4	0.8	0.8	0.8
67.5°	387.5	374.3	355.5	313.2	254.4	10.4	0.8	0.8	0.8
70°	358.3	343.9	324.4	282.0	222.9	8.4	0.8	0.8	0.8
72.5°	328.3	314.4	293.2	250.5	193.3	6.4	0.8	0.8	0.8
75°	296.8	284.0	261.2	218.9	161.4	4.8	1.6	0.8	0.8
77.5°	264.0	254.1	228.5	186.5	130.2	3.2	1.6	0.8	0.8
80°	233.7	222.5	196.1	153.8	100.3	2.4	1.6	1.2	0.8
82.5°	202.5	192.5	166.2	123.8	71.9	2.0	1.6	1.2	0.8
85°	174.6	165.0	138.2	96.7	47.1	1.6	1.2	1.2	0.8
87.5°	149.8	141.0	114.6	70.7	26.8	1.2	1.2	1.2	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P892514

CATALOG NUMBER: 2MB-2SL-ASYMR-UNV-L935

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	24.61	26.23	24.98	26.54	26.86	20.05	21.66	20.41	21.98	22.29
	3H	27.06	28.52	27.44	28.85	29.21	20.69	22.15	21.07	22.48	22.84
	4H	28.18	29.57	28.58	29.91	30.29	20.83	22.22	21.23	22.56	22.94
	6H	29.28	30.56	29.69	30.93	31.32	20.87	22.16	21.29	22.52	22.91
	8H	29.81	31.04	30.23	31.42	31.82	20.86	22.09	21.29	22.48	22.88
	12H	30.38	31.55	30.80	31.94	32.36	20.84	22.02	21.27	22.40	22.83
4H	2H	25.27	26.65	25.67	27.00	27.38	21.17	22.56	21.57	22.90	23.28
	3H	27.96	29.13	28.37	29.53	29.92	22.52	23.68	22.93	24.08	24.48
	4H	29.26	30.32	29.69	30.73	31.17	23.05	24.11	23.48	24.53	24.96
	6H	30.54	31.47	30.99	31.91	32.37	23.33	24.26	23.78	24.70	25.16
	8H	31.16	32.04	31.62	32.48	32.95	23.36	24.24	23.82	24.68	25.15
	12H	31.85	32.64	32.33	33.12	33.59	23.38	24.17	23.85	24.64	25.11
8H	4H	29.62	30.50	30.08	30.94	31.40	24.00	24.87	24.46	25.32	25.78
	6H	31.10	31.84	31.59	32.33	32.80	24.59	25.33	25.08	25.81	26.29
	8H	31.88	32.55	32.39	33.05	33.54	24.77	25.43	25.27	25.94	26.42
	12H	32.78	33.37	33.28	33.86	34.42	24.87	25.46	25.37	25.95	26.51
12H	4H	29.66	30.45	30.14	30.93	31.39	24.22	25.01	24.69	25.48	25.95
	6H	31.19	31.86	31.70	32.36	32.85	24.94	25.60	25.45	26.11	26.59
	8H	32.07	32.66	32.57	33.15	33.71	25.25	25.84	25.76	26.33	26.89

END OF REPORT