

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: P895130

Luminaire Tested: 8TMB-6SL-LVRA-UNV-L935

Issue Date: 11/11/2024

**Test Information**

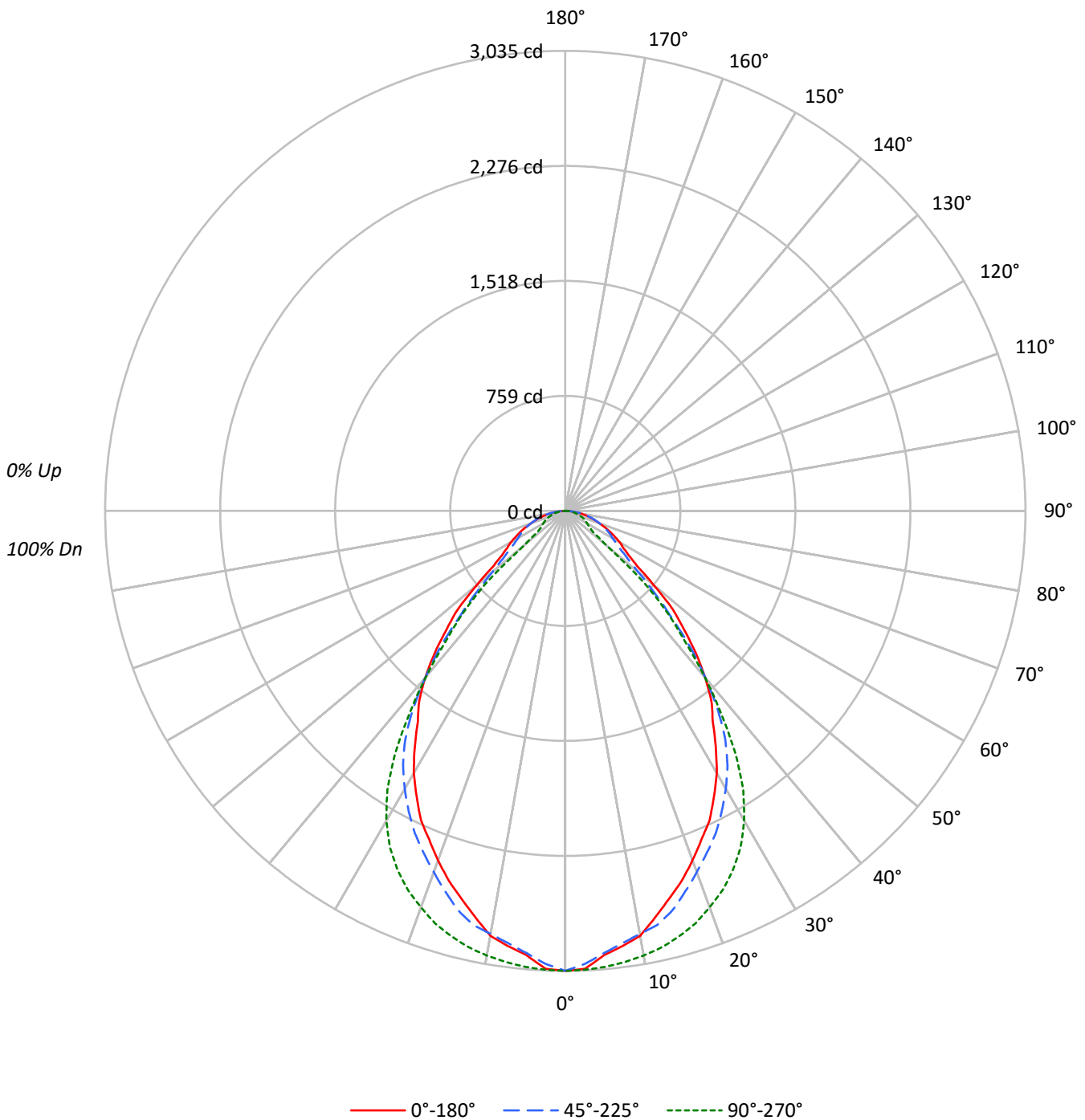
Test Method: LM-79-2019  
Report Number: P895130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-6SL-LVRA-UNV-L935  
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with LOUVER WITH AISLE OPTIC, 90CRI, 3500K CCT  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4925.0 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Spacing Criteria (0/90/45): 1.02 / 1.16 / 1.12  
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.51  
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	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78	78	78
3	96	87	80	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62	62	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55	55
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	50	50	50
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45	45	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38	38	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	35	35	35

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10767	10767	10767
5°	10477	10429	10755
10°	10254	10209	10730
15°	9725	10024	10670
20°	9264	9577	10507
25°	8812	9189	10239
30°	8187	8674	9667
35°	7341	7971	8479
40°	6651	6666	6629
45°	5561	4925	4804
50°	4201	3467	1965
55°	3159	2772	1238
60°	2936	2553	1194
65°	2732	2548	1195
70°	2499	2499	1176
75°	2369	2433	1136
80°	2188	2301	1167
85°	1909	2007	1274

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 5691 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.3	5.7
10°-20°	772.4	15.7
20°-30°	1095.2	22.2
30°-40°	1128.3	22.9
40°-50°	788.1	16.0
50°-60°	378.2	7.7
60°-70°	265.3	5.4
70°-80°	165.9	3.4
80°-90°	51.3	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°	2147.9	43.6
0°-40°	3276.3	66.5
0°-60°	4442.5	90.2
0°-90°	4925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4925.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3035	3035	3035	3035	3035	
5°	2942	2938	2928	3005	3020	278
15°	2647	2667	2729	2807	2905	745
25°	2251	2274	2347	2506	2615	1029
35°	1695	1741	1840	1879	1958	1068
45°	1108	1134	982	932	957	854
55°	511	486	448	287	200	479
65°	325	304	304	231	142	322
75°	173	170	178	153	83	182
85°	47	47	49	48	31	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3034.6	3034.6	3034.6	3034.6	3034.6
2.5°	3022.8	3013.5	2990.8	3032.2	3029.1
5°	2941.5	2937.6	2928.2	3004.9	3019.7
7.5°	2895.4	2887.5	2876.6	2961.1	3002.5
10°	2846.1	2855.5	2833.6	2911.0	2978.3
12.5°	2744.4	2769.4	2799.2	2859.4	2948.5
15°	2647.4	2667.0	2728.8	2807.0	2904.7
17.5°	2556.7	2579.4	2632.6	2749.9	2853.9
20°	2453.5	2484.8	2536.4	2686.5	2782.7
22.5°	2347.1	2376.0	2441.0	2602.1	2709.2
25°	2250.9	2273.6	2347.1	2505.9	2615.4
27.5°	2123.4	2165.7	2235.3	2388.6	2503.5
30°	1998.3	2034.3	2117.2	2246.2	2359.6
32.5°	1847.3	1899.7	1991.2	2089.8	2184.4
35°	1694.8	1741.0	1840.3	1878.6	1957.6
37.5°	1583.8	1596.3	1652.6	1647.9	1692.5
40°	1435.9	1461.0	1439.1	1380.4	1431.3
42.5°	1276.4	1306.1	1217.7	1149.7	1167.7
45°	1108.2	1134.1	981.5	931.5	957.3
47.5°	962.8	960.4	791.5	757.9	721.9
50°	761.0	786.0	628.0	565.5	355.9
52.5°	594.4	603.8	517.8	361.3	233.9
55°	510.7	485.7	448.1	287.0	200.2
57.5°	453.6	422.3	397.3	266.7	183.0
60°	413.7	378.5	359.8	253.4	168.2
62.5°	368.4	341.0	334.0	241.7	154.9
65°	325.4	304.2	303.5	230.7	142.3
67.5°	282.3	270.6	273.7	217.4	128.3
70°	240.9	238.5	240.9	200.2	113.4
72.5°	205.7	203.3	209.6	178.3	97.0
75°	172.8	170.5	177.5	153.3	82.9
77.5°	137.7	139.2	143.9	127.5	69.6
80°	107.1	107.1	112.6	100.1	57.1
82.5°	76.6	77.4	80.6	73.5	44.6
85°	46.9	46.9	49.3	48.5	31.3
87.5°	15.6	18.0	21.1	22.7	15.6
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	13.90	15.26	14.27	15.57	15.88	10.24	11.59	10.60	11.90	12.22
	3H	15.64	16.85	16.02	17.18	17.54	12.21	13.42	12.59	13.75	14.11
	4H	16.31	17.44	16.71	17.79	18.17	12.92	14.04	13.32	14.39	14.78
	6H	16.82	17.86	17.23	18.23	18.62	13.44	14.48	13.85	14.85	15.24
	8H	16.99	17.98	17.42	18.37	18.77	13.62	14.61	14.05	15.00	15.40
	12H	17.10	18.04	17.53	18.43	18.86	13.76	14.71	14.20	15.09	15.52
4H	2H	14.43	15.56	14.84	15.91	16.29	11.86	12.99	12.26	13.34	13.72
	3H	16.41	17.34	16.82	17.74	18.15	14.04	14.97	14.45	15.37	15.77
	4H	17.21	18.05	17.65	18.47	18.91	14.92	15.75	15.35	16.17	16.61
	6H	17.86	18.58	18.32	19.03	19.49	15.56	16.28	16.02	16.73	17.19
	8H	18.08	18.75	18.54	19.20	19.67	15.77	16.44	16.24	16.89	17.36
	12H	18.23	18.83	18.71	19.31	19.78	15.93	16.53	16.41	17.01	17.48
8H	4H	17.50	18.17	17.96	18.62	19.09	15.56	16.24	16.03	16.69	17.16
	6H	18.28	18.84	18.78	19.33	19.81	16.43	16.98	16.93	17.48	17.96
	8H	18.58	19.08	19.10	19.59	20.09	16.75	17.25	17.27	17.77	18.26
	12H	18.82	19.26	19.33	19.75	20.32	17.02	17.46	17.53	17.95	18.52
12H	4H	17.51	18.11	18.00	18.60	19.07	15.64	16.24	16.12	16.72	17.19
	6H	18.33	18.83	18.85	19.35	19.84	16.56	17.06	17.08	17.58	18.07
	8H	18.70	19.14	19.21	19.63	20.20	16.98	17.42	17.49	17.91	18.48