

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: P895124

Luminaire Tested: 8TMB-6SL-LVR-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-175-8)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-6SL-LVR-UNV-L950
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

Summary

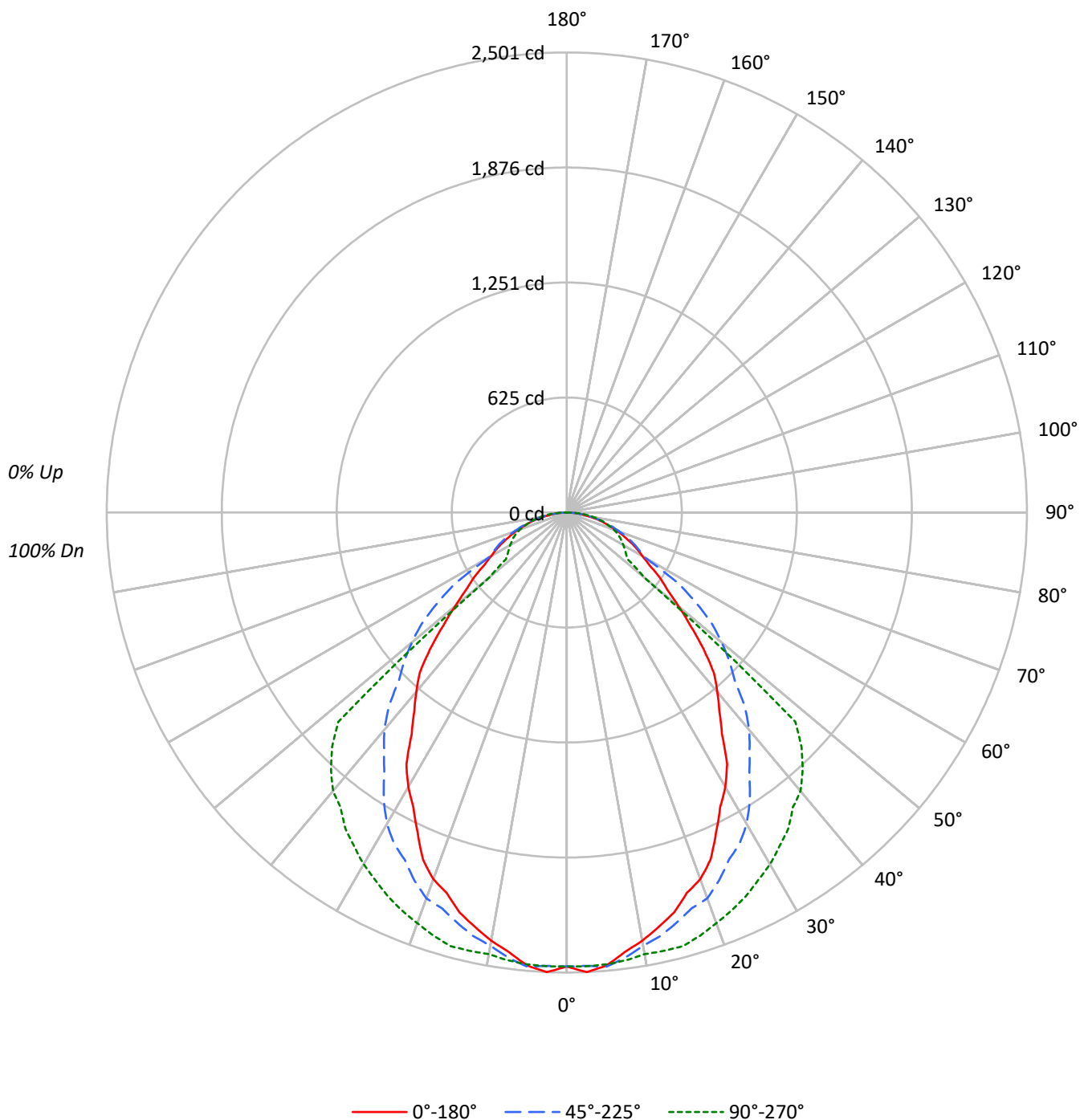
Lumens per Lamp: N/A
Luminaire Lumens: 5267.0 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.32 / 1.27
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): 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	0
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	93	91		92	90	89	87
2	102	94	88	83	99	92	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	74	67	61	72	66	61		70	64	60		68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53		63	58	53		62	57	52	50
6	75	62	54	48	73	61	54	48	60	53	48		58	52	47		56	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43		53	47	42		52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	39		49	43	38		48	42	38	36
9	61	48	40	35	59	48	40	35	47	40	35		45	39	35		44	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32		42	36	32		41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8757	8757	8757
5°	8804	8827	8782
10°	8515	8615	8783
15°	8270	8478	8964
20°	8010	8429	8972
25°	7516	8158	9011
30°	7060	8010	9048
35°	6366	7491	9091
40°	5897	7146	9155
45°	5275	6477	9051
50°	4377	6067	3041
55°	3813	5326	2433
60°	3372	3471	2523
65°	3206	3376	2677
70°	3007	3191	2825
75°	2799	3006	2904
80°	2550	2834	3038
85°	2259	2410	3285

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9051 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.1	4.4
10°-20°	658.6	12.5
20°-30°	968.8	18.4
30°-40°	1107.9	21.0
40°-50°	1049.1	19.9
50°-60°	578.0	11.0
60°-70°	371.1	7.0
70°-80°	229.0	4.3
80°-90°	70.5	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°	1861.4	35.3
0°-40°	2969.3	56.4
0°-60°	4596.4	87.3
0°-90°	5267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2472	2492	2478	2478	2466	232
15°	2251	2279	2308	2429	2440	632
25°	1920	2006	2084	2220	2302	884
35°	1470	1596	1730	1980	2099	929
45°	1051	1151	1291	1656	1804	804
55°	616	647	861	444	393	551
65°	382	394	402	358	319	378
75°	204	208	219	231	212	217
85°	56	56	59	68	81	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2468.1	2468.1	2468.1	2468.1	2468.1
2.5°	2500.9	2507.2	2466.9	2465.6	2469.4
5°	2471.9	2492.1	2478.2	2478.2	2465.6
7.5°	2410.1	2444.2	2440.4	2469.4	2455.5
10°	2363.5	2391.2	2391.2	2466.9	2437.9
12.5°	2308.0	2339.6	2357.2	2436.6	2440.4
15°	2251.3	2279.0	2308.0	2429.0	2440.4
17.5°	2169.4	2219.8	2256.4	2374.8	2411.4
20°	2121.5	2151.7	2232.4	2328.2	2376.1
22.5°	2042.1	2086.2	2164.3	2271.5	2342.1
25°	1919.8	2005.5	2083.7	2219.8	2301.7
27.5°	1806.3	1870.6	2032.0	2175.7	2253.8
30°	1723.1	1773.6	1955.1	2111.4	2208.5
32.5°	1622.3	1704.2	1851.7	2048.4	2151.7
35°	1469.8	1595.8	1729.5	1980.3	2098.8
37.5°	1362.6	1449.6	1631.1	1909.7	2019.4
40°	1273.1	1352.6	1542.9	1821.5	1976.5
42.5°	1183.6	1247.9	1432.0	1755.9	1897.1
45°	1051.3	1150.9	1290.8	1656.3	1803.8
47.5°	912.6	1018.5	1198.8	1571.9	1685.3
50°	792.9	877.3	1099.2	1404.2	550.9
52.5°	688.3	766.4	993.3	508.0	416.0
55°	616.4	646.7	860.9	443.7	393.3
57.5°	530.7	579.8	722.3	422.3	373.1
60°	475.2	496.7	489.1	400.8	355.5
62.5°	431.1	446.2	443.7	379.4	335.3
65°	381.9	394.5	402.1	358.0	318.9
67.5°	332.8	344.1	355.5	331.5	296.2
70°	289.9	297.5	307.6	300.0	272.3
72.5°	245.8	254.6	260.9	267.2	240.8
75°	204.2	208.0	219.3	230.7	211.8
77.5°	166.4	170.2	177.7	190.3	180.3
80°	124.8	128.6	138.7	148.7	148.7
82.5°	88.2	90.8	97.1	110.9	117.2
85°	55.5	55.5	59.2	68.1	80.7
87.5°	21.4	21.4	25.2	30.3	40.3
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	15.49	16.97	15.85	17.28	17.60	13.29	14.77	13.66	15.09	15.40
	3H	17.02	18.34	17.39	18.67	19.03	15.62	16.95	16.00	17.28	17.64
	4H	17.61	18.85	18.01	19.20	19.58	16.57	17.81	16.97	18.16	18.54
	6H	18.06	19.21	18.48	19.58	19.97	17.36	18.50	17.77	18.87	19.26
	8H	18.21	19.30	18.64	19.69	20.09	17.67	18.76	18.10	19.15	19.55
	12H	18.31	19.35	18.74	19.73	20.16	17.92	18.96	18.35	19.34	19.77
4H	2H	16.04	17.28	16.44	17.63	18.01	14.40	15.64	14.80	15.99	16.37
	3H	17.81	18.84	18.22	19.24	19.64	16.84	17.87	17.25	18.27	18.67
	4H	18.53	19.46	18.96	19.87	20.31	17.91	18.83	18.34	19.25	19.69
	6H	19.12	19.92	19.58	20.37	20.83	18.80	19.60	19.25	20.04	20.50
	8H	19.31	20.06	19.77	20.50	20.97	19.15	19.90	19.61	20.34	20.81
	12H	19.44	20.12	19.93	20.60	21.07	19.44	20.11	19.92	20.59	21.06
8H	4H	18.84	19.59	19.30	20.04	20.50	18.29	19.05	18.76	19.49	19.96
	6H	19.55	20.17	20.05	20.67	21.14	19.33	19.95	19.83	20.45	20.92
	8H	19.81	20.37	20.33	20.88	21.37	19.77	20.34	20.29	20.85	21.34
	12H	20.02	20.52	20.53	21.01	21.58	20.16	20.66	20.67	21.15	21.72
12H	4H	18.87	19.55	19.36	20.03	20.50	18.33	19.00	18.81	19.48	19.95
	6H	19.61	20.18	20.13	20.69	21.18	19.39	19.96	19.91	20.47	20.96
	8H	19.93	20.43	20.44	20.93	21.49	19.90	20.40	20.41	20.89	21.46