

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: P895138

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-175-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-6SL-LVRF-UNV-L935
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with LOUVER WITH FROSTED INLAY, 90CRI, 3500K C
Light Source: -
Ballast/Driver: -

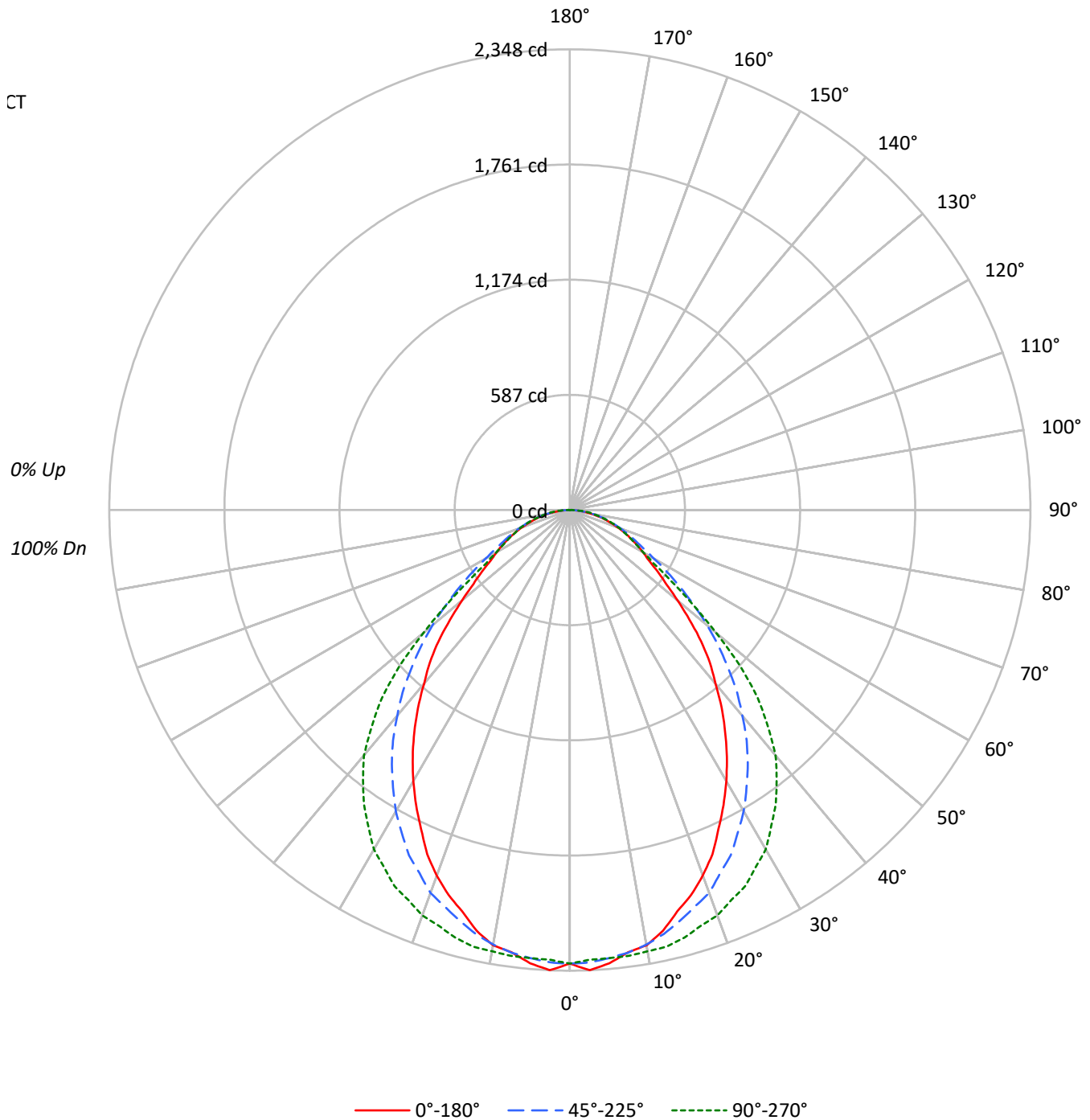
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4804.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.27 / 1.23
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	89	89	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	77	77	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	71	67	67	67	67	65
4	87	76	68	62	84	74	67	61	72	66	60	70	64	60	68	63	59	59	59	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	52	52	52	50
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	42	40
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	38	38	38	36
9	61	48	41	35	60	48	40	35	47	40	35	46	39	35	45	39	35	35	35	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8202	8202	8202
5°	8258	8164	8164
10°	8116	8103	8228
15°	7780	7961	8288
20°	7484	7843	8301
25°	7021	7600	8282
30°	6535	7264	8185
35°	5982	6852	7924
40°	5356	6336	7560
45°	4753	5736	6798
50°	3954	5049	5361
55°	3368	4253	3897
60°	3054	3514	3079
65°	2876	3078	2866
70°	2706	2856	2794
75°	2521	2718	2669
80°	2309	2505	2579
85°	2007	2202	2886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 6798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.8	4.6
10°-20°	615.8	12.8
20°-30°	894.3	18.6
30°-40°	995.8	20.7
40°-50°	879.8	18.3
50°-60°	577.3	12.0
60°-70°	353.5	7.4
70°-80°	205.7	4.3
80°-90°	63.0	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°	1728.9	36.0
0°-40°	2724.7	56.7
0°-60°	4181.8	87.0
0°-90°	4804.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2312	2312	2312	2312	2312	
5°	2319	2320	2292	2315	2292	219
15°	2118	2142	2167	2253	2256	598
25°	1793	1837	1941	2065	2116	825
35°	1381	1456	1582	1749	1830	861
45°	947	1005	1143	1297	1355	725
55°	544	583	688	682	630	494
65°	343	349	367	356	341	341
75°	184	186	198	202	195	195
85°	49	52	54	61	71	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2311.5	2311.5	2311.5	2311.5	2311.5
2.5°	2347.5	2318.7	2307.9	2318.7	2294.6
5°	2318.7	2319.9	2292.2	2315.1	2292.2
7.5°	2273.0	2288.6	2275.4	2310.3	2292.2
10°	2252.6	2253.8	2249.0	2285.0	2283.8
12.5°	2196.1	2199.7	2212.9	2267.0	2279.0
15°	2117.9	2142.0	2167.2	2252.6	2256.2
17.5°	2056.6	2085.5	2119.1	2210.5	2221.3
20°	1982.1	1994.1	2077.1	2157.6	2198.5
22.5°	1899.2	1922.0	2002.5	2110.7	2151.6
25°	1793.4	1836.7	1941.2	2065.1	2115.5
27.5°	1696.0	1746.5	1854.7	1992.9	2051.8
30°	1595.1	1652.8	1773.0	1908.8	1997.7
32.5°	1490.5	1562.6	1676.8	1833.1	1911.2
35°	1381.1	1455.6	1581.8	1748.9	1829.5
37.5°	1271.7	1343.8	1480.9	1660.0	1732.1
40°	1156.3	1227.3	1367.9	1549.4	1632.3
42.5°	1056.6	1117.9	1262.1	1417.2	1494.1
45°	947.2	1004.9	1143.1	1297.0	1354.7
47.5°	827.0	894.3	1028.9	1155.1	1178.0
50°	716.4	786.1	914.7	988.1	971.2
52.5°	619.0	677.9	795.7	827.0	787.3
55°	544.5	583.0	687.5	681.5	629.9
57.5°	476.0	500.0	589.0	555.3	506.0
60°	430.3	441.1	495.2	464.0	433.9
62.5°	387.0	391.9	420.7	403.9	381.0
65°	342.6	348.6	366.6	355.8	341.4
67.5°	301.7	304.1	320.9	318.5	300.5
70°	260.8	264.4	275.3	280.1	269.3
72.5°	221.2	224.8	235.6	240.4	230.8
75°	183.9	186.3	198.3	201.9	194.7
77.5°	147.8	152.7	159.9	165.9	157.5
80°	113.0	115.4	122.6	129.8	126.2
82.5°	79.3	82.9	87.7	97.4	99.8
85°	49.3	51.7	54.1	61.3	70.9
87.5°	19.2	20.4	24.0	26.4	34.9
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	14.84	16.32	15.21	16.63	16.95	15.49	16.97	15.86	17.29	17.60
	3H	16.44	17.77	16.82	18.10	18.46	16.93	18.25	17.31	18.58	18.94
	4H	17.06	18.30	17.46	18.65	19.03	17.53	18.78	17.93	19.12	19.50
	6H	17.53	18.68	17.94	19.04	19.44	18.02	19.17	18.43	19.53	19.93
	8H	17.68	18.77	18.11	19.16	19.56	18.22	19.31	18.64	19.70	20.10
	12H	17.78	18.83	18.21	19.21	19.64	18.38	19.43	18.82	19.81	20.24
4H	2H	15.46	16.70	15.86	17.05	17.43	15.99	17.23	16.39	17.58	17.96
	3H	17.28	18.31	17.69	18.71	19.11	17.68	18.71	18.09	19.11	19.51
	4H	18.02	18.95	18.45	19.36	19.80	18.44	19.36	18.87	19.78	20.22
	6H	18.62	19.42	19.08	19.87	20.33	19.07	19.88	19.53	20.32	20.78
	8H	18.82	19.57	19.28	20.01	20.48	19.33	20.08	19.79	20.52	20.99
	12H	18.96	19.63	19.44	20.11	20.58	19.55	20.22	20.03	20.70	21.17
8H	4H	18.34	19.09	18.80	19.54	20.00	18.71	19.46	19.17	19.90	20.37
	6H	19.06	19.69	19.56	20.18	20.66	19.48	20.10	19.98	20.60	21.07
	8H	19.34	19.90	19.85	20.41	20.90	19.83	20.39	20.34	20.90	21.39
	12H	19.55	20.05	20.06	20.54	21.11	20.14	20.64	20.66	21.13	21.70
12H	4H	18.37	19.05	18.86	19.53	20.00	18.73	19.40	19.21	19.88	20.35
	6H	19.13	19.69	19.64	20.20	20.69	19.53	20.09	20.04	20.60	21.09
	8H	19.46	19.96	19.97	20.45	21.02	19.93	20.43	20.44	20.92	21.49