

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: P894401

Luminaire Tested: 8TMB-10SL-LVR-UNV-L930

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P894401  
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-10SL-LVR-UNV-L930  
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 3000K CCT  
Light Source: -  
Ballast/Driver: -

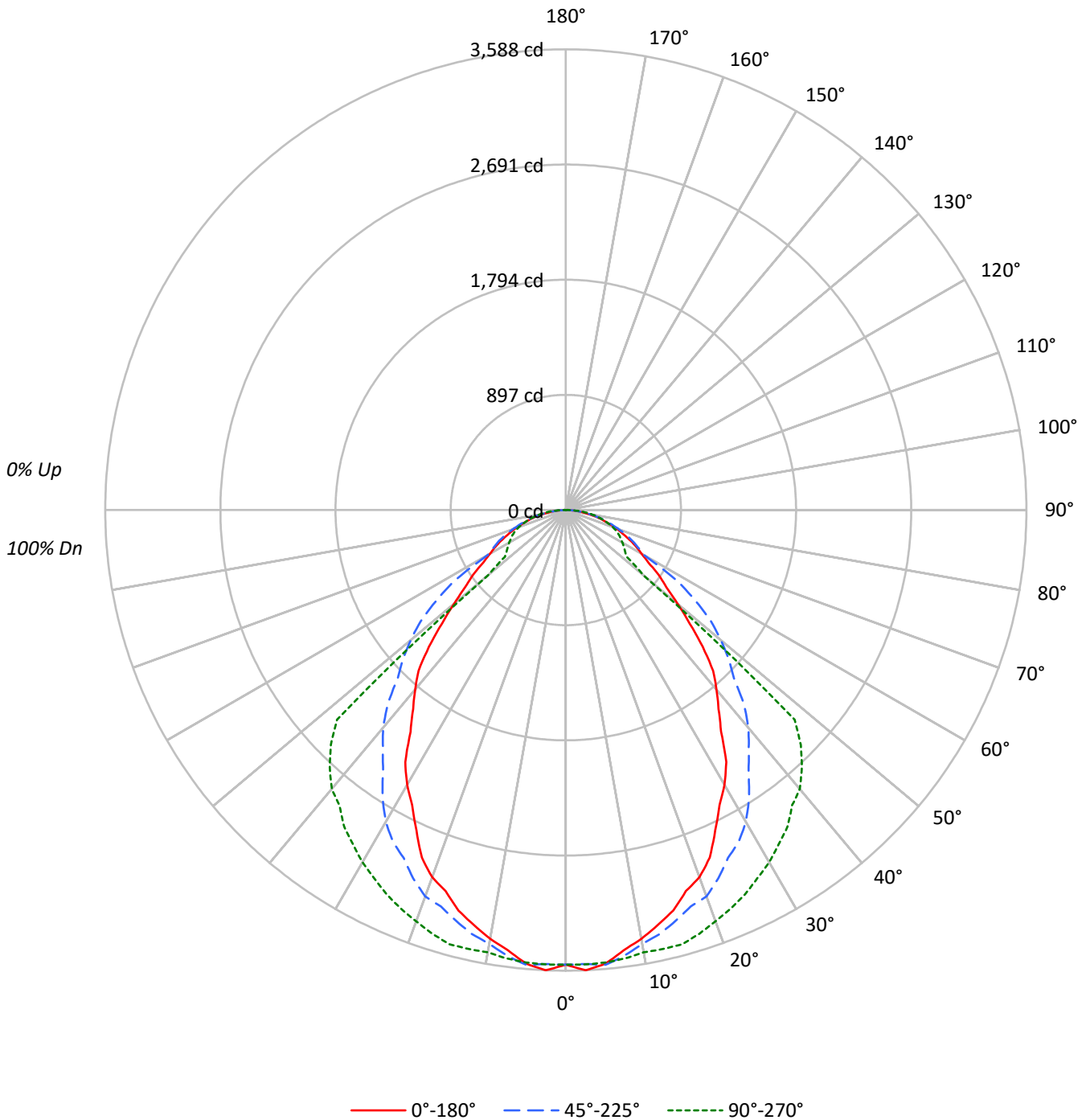
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7556.0 lumens  
Efficiency: N/A  
Efficacy: 107.9 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): 70  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.995  
Total Harmonic Distortion (THDi): 5.63  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P894401  
CATALOG NUMBER: 8TMB-10SL-LVR-UNV-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P894401

CATALOG NUMBER: 8TMB-10SL-LVR-UNV-L930

**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	71	80	74	69	77	72	68	75	71	67	67	67	67	65
4	87	76	68	62	84	74	67	61	72	66	61	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	57	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	43	39	49	43	38	48	42	38	38	38	38	36
9	61	48	40	35	59	48	40	35	47	40	35	45	39	35	44	39	35	35	35	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	32	32	32	30

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

	0°	45°	90°
0°	12563	12563	12563
5°	12630	12663	12598
10°	12216	12359	12601
15°	11864	12163	12860
20°	11492	12093	12871
25°	10782	11703	12928
30°	10128	11491	12980
35°	9133	10747	13042
40°	8459	10252	13133
45°	7568	9292	12985
50°	6279	8704	4362
55°	5470	7640	3490
60°	4838	4979	3619
65°	4600	4843	3841
70°	4315	4577	4052
75°	4017	4314	4165
80°	3657	4064	4360
85°	3241	3460	4710

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 12985 cd/sqm



TEST NUMBER: P894401  
 CATALOG NUMBER: 8TMB-10SL-LVR-UNV-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.8	4.4
10°-20°	944.8	12.5
20°-30°	1389.8	18.4
30°-40°	1589.4	21.0
40°-50°	1505.0	19.9
50°-60°	829.2	11.0
60°-70°	532.4	7.0
70°-80°	328.6	4.3
80°-90°	101.1	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°	2670.4	35.3
0°-40°	4259.8	56.4
0°-60°	6594.0	87.3
0°-90°	7556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7556.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3541	3541	3541	3541	3541	
5°	3546	3575	3555	3555	3537	333
15°	3230	3270	3311	3485	3501	907
25°	2754	2877	2989	3184	3302	1268
35°	2108	2289	2481	2841	3011	1333
45°	1508	1651	1852	2376	2588	1154
55°	884	928	1235	636	564	791
65°	548	566	577	514	458	542
75°	293	298	315	331	304	312
85°	80	80	85	98	116	89
90°	0	0	0	0	0	



TEST NUMBER: P894401  
 CATALOG NUMBER: 8TMB-10SL-LVR-UNV-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3540.8	3540.8	3540.8	3540.8	3540.8
2.5°	3587.8	3596.8	3538.9	3537.1	3542.6
5°	3546.2	3575.1	3555.2	3555.2	3537.1
7.5°	3457.6	3506.4	3501.0	3542.6	3522.7
10°	3390.7	3430.4	3430.4	3538.9	3497.4
12.5°	3311.1	3356.3	3381.6	3495.5	3501.0
15°	3229.7	3269.5	3311.1	3484.7	3501.0
17.5°	3112.2	3184.5	3237.0	3406.9	3459.4
20°	3043.5	3086.9	3202.6	3340.0	3408.7
22.5°	2929.5	2992.8	3104.9	3258.7	3359.9
25°	2754.1	2877.1	2989.2	3184.5	3302.1
27.5°	2591.4	2683.6	2915.1	3121.2	3233.3
30°	2472.0	2544.4	2804.8	3029.0	3168.2
32.5°	2327.3	2444.9	2656.5	2938.6	3086.9
35°	2108.5	2289.4	2481.1	2840.9	3010.9
37.5°	1954.8	2079.6	2340.0	2739.7	2897.0
40°	1826.4	1940.4	2213.4	2613.1	2835.5
42.5°	1698.0	1790.3	2054.3	2519.0	2721.6
45°	1508.2	1651.0	1851.8	2376.2	2587.8
47.5°	1309.2	1461.1	1719.7	2255.0	2417.8
50°	1137.5	1258.6	1576.9	2014.5	790.3
52.5°	987.4	1099.5	1425.0	728.8	596.8
55°	884.3	927.7	1235.1	636.5	564.2
57.5°	761.3	831.8	1036.2	605.8	535.3
60°	681.7	712.5	701.6	575.1	510.0
62.5°	618.5	640.2	636.5	544.3	481.0
65°	547.9	566.0	576.9	513.6	457.5
67.5°	477.4	493.7	510.0	475.6	425.0
70°	415.9	426.8	441.2	430.4	390.6
72.5°	352.6	365.3	374.3	383.4	345.4
75°	293.0	298.4	314.7	330.9	303.8
77.5°	238.7	244.1	255.0	273.1	258.6
80°	179.0	184.5	198.9	213.4	213.4
82.5°	126.6	130.2	139.2	159.1	168.2
85°	79.6	79.6	85.0	97.7	115.7
87.5°	30.7	30.7	36.2	43.4	57.9
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P894401  
 CATALOG NUMBER: 8TMB-10SL-LVR-UNV-L930

**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	16.74	18.23	17.11	18.54	18.85	14.55	16.03	14.91	16.34	16.66
	3H	18.27	19.60	18.65	19.92	20.29	16.88	18.20	17.25	18.53	18.89
	4H	18.86	20.10	19.26	20.45	20.83	17.83	19.07	18.23	19.42	19.80
	6H	19.32	20.47	19.73	20.83	21.23	18.61	19.76	19.02	20.12	20.52
	8H	19.46	20.55	19.89	20.94	21.35	18.92	20.01	19.35	20.40	20.81
	12H	19.56	20.60	19.99	20.99	21.42	19.17	20.22	19.60	20.60	21.03
4H	2H	17.29	18.54	17.69	18.89	19.26	15.65	16.89	16.05	17.24	17.62
	3H	19.07	20.09	19.48	20.49	20.90	18.10	19.12	18.51	19.52	19.93
	4H	19.79	20.71	20.22	21.13	21.57	19.16	20.09	19.59	20.50	20.94
	6H	20.37	21.18	20.83	21.62	22.08	20.05	20.85	20.51	21.30	21.76
	8H	20.56	21.31	21.02	21.76	22.23	20.40	21.15	20.86	21.60	22.07
	12H	20.70	21.37	21.18	21.85	22.32	20.69	21.36	21.17	21.84	22.31
8H	4H	20.09	20.85	20.56	21.29	21.76	19.55	20.30	20.01	20.75	21.21
	6H	20.80	21.43	21.30	21.92	22.40	20.58	21.21	21.08	21.70	22.18
	8H	21.07	21.63	21.58	22.14	22.63	21.03	21.59	21.54	22.10	22.59
	12H	21.27	21.77	21.78	22.27	22.83	21.41	21.91	21.92	22.40	22.97
12H	4H	20.13	20.80	20.61	21.28	21.75	19.58	20.26	20.07	20.73	21.21
	6H	20.87	21.43	21.38	21.94	22.43	20.65	21.21	21.16	21.72	22.21
	8H	21.19	21.69	21.70	22.18	22.74	21.16	21.65	21.67	22.15	22.71