

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: P895382

Luminaire Tested: 8TMB-SC3-ASYMR-UNV-CC93-MID-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895382
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: 8TMB-SC3-ASYMR-UNV-CC93-MID-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 90CRI, 3500K CCT, MID setting
Light Source: -
Ballast/Driver: -

Summary

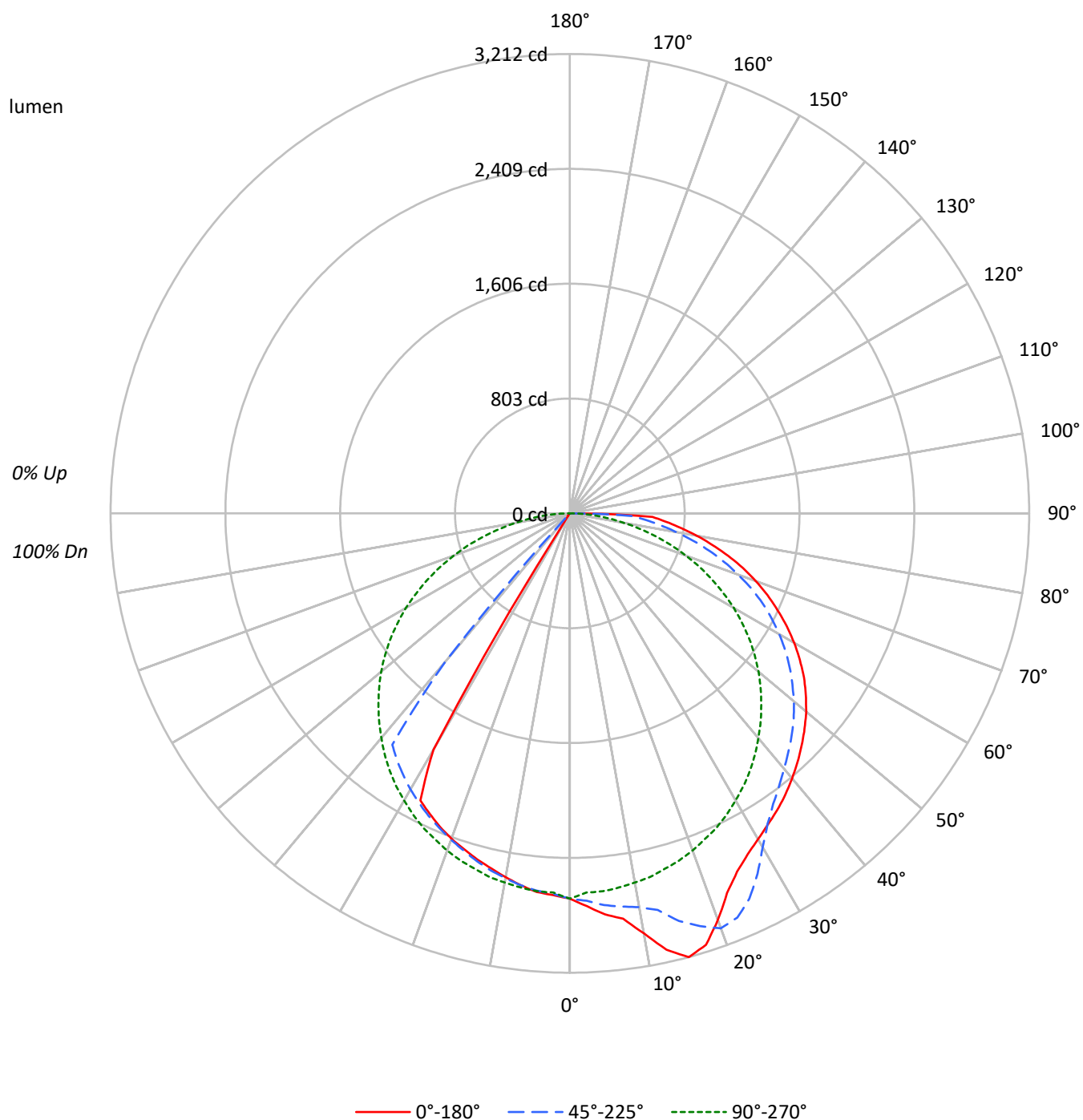
Lumens per Lamp: N/A
Luminaire Lumens: 7289.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.25
Luminous Opening: Rectangular (W 0.21' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 66.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
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		
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°	17445	17445	17445	17445	17445
5°	18294	17873	17241	17211	17271
10°	19601	18384	17237	17035	16983
15°	21536	19778	17243	16871	16788
20°	20851	21276	17289	16736	16682
25°	19756	21233	17331	16680	16558
30°	19671	20156	17328	16660	14260
35°	20004	19601	17357	16662	195
40°	20438	19695	17334	11491	130
45°	20998	20093	17337	212	85
50°	21731	20595	17347	155	31
55°	22559	21183	17298	105	17
60°	23461	21901	17146	40	19
65°	24563	22767	16833	47	47
70°	26203	23721	16301	59	59
75°	28682	25247	15597	155	78
80°	33659	28251	14443	231	116
85°	50099	39667	13530	342	230

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 87.5°

Luminance: 85895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.2	3.5
10°-20°	770.8	10.6
20°-30°	1184.8	16.3
30°-40°	1269.8	17.4
40°-50°	1153.2	15.8
50°-60°	1051.9	14.4
60°-70°	782.6	10.7
70°-80°	550.8	7.6
80°-90°	266.8	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°	2213.8	30.4
0°-40°	3483.6	47.8
0°-60°	5688.8	78.0
0°-90°	7289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7289.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2694	2694	2694	2694	2694	
5°	2814	2750	2652	2648	2657	273
15°	3212	2950	2572	2517	2504	887
25°	2765	2972	2426	2334	2318	1286
35°	2530	2480	2196	2108	25	1585
45°	2293	2194	1893	23	9	1772
55°	1998	1876	1532	9	2	1785
65°	1603	1486	1099	3	3	1587
75°	1146	1009	623	6	3	1209
85°	674	534	182	5	3	677
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2694.0	2694.0	2694.0	2694.0	2694.0	2694.0	2694.0	2694.0	2694.0
2.5°	2749.6	2718.7	2711.0	2732.6	2653.9	2706.4	2663.2	2672.4	2672.4
5°	2814.4	2771.2	2749.6	2743.4	2652.4	2687.9	2647.7	2647.7	2657.0
7.5°	2859.1	2811.3	2772.7	2757.3	2638.5	2669.3	2623.1	2623.1	2623.1
10°	2981.0	2891.5	2795.9	2768.1	2621.5	2644.7	2590.7	2593.7	2582.9
12.5°	3124.5	3044.3	2840.6	2763.5	2603.0	2613.8	2556.7	2555.2	2542.8
15°	3212.5	3152.3	2950.2	2757.3	2572.1	2581.4	2516.6	2512.0	2504.2
17.5°	3163.1	3153.8	3025.8	2752.7	2544.4	2536.6	2471.8	2467.2	2461.0
20°	3025.8	3048.9	3087.5	2743.4	2508.9	2493.4	2428.6	2425.6	2420.9
22.5°	2873.0	2896.2	3059.7	2758.8	2465.7	2447.2	2382.4	2379.3	2373.1
25°	2765.0	2765.0	2971.8	2795.9	2425.6	2391.6	2334.5	2329.9	2317.5
27.5°	2689.4	2675.5	2840.6	2837.5	2374.6	2336.1	2283.6	2279.0	2263.5
30°	2630.8	2607.6	2695.6	2857.6	2317.5	2275.9	2228.1	2223.4	1907.1
32.5°	2578.3	2553.6	2573.7	2874.6	2260.5	2211.1	2169.4	1547.6	67.9
35°	2530.5	2502.7	2479.6	2862.2	2195.7	2146.3	2107.7	44.7	24.7
37.5°	2476.5	2454.9	2402.4	2797.4	2126.2	2076.8	2039.8	24.7	21.6
40°	2417.8	2397.8	2329.9	2701.7	2050.6	2009.0	1359.4	21.6	15.4
42.5°	2357.7	2342.2	2262.0	2562.9	1975.0	1933.3	43.2	17.0	12.3
45°	2292.9	2279.0	2194.1	2394.7	1893.2	1854.7	23.1	12.3	9.3
47.5°	2226.5	2206.5	2123.1	2214.2	1809.9	1771.3	20.1	9.3	6.2
50°	2157.1	2135.5	2044.4	2055.2	1722.0	1683.4	15.4	6.2	3.1
52.5°	2079.9	2053.7	1961.1	1911.7	1629.4	1593.9	12.3	3.1	1.5
55°	1998.2	1968.8	1876.3	1786.8	1532.2	1492.1	9.3	3.1	1.5
57.5°	1907.1	1874.7	1786.8	1668.0	1428.8	1009.1	6.2	3.1	1.5
60°	1811.5	1779.0	1691.1	1556.9	1323.9	69.4	3.1	3.1	1.5
62.5°	1709.6	1675.7	1590.8	1444.2	1211.2	57.1	3.1	3.1	3.1
65°	1603.1	1563.0	1485.9	1328.5	1098.6	47.8	3.1	3.1	3.1
67.5°	1496.7	1445.8	1373.2	1209.7	982.9	40.1	3.1	3.1	3.1
70°	1384.0	1328.5	1252.9	1089.3	861.0	32.4	3.1	3.1	3.1
72.5°	1268.3	1214.3	1132.5	967.4	746.8	24.7	3.1	3.1	3.1
75°	1146.4	1097.1	1009.1	845.5	623.4	18.5	6.2	3.1	3.1
77.5°	1019.9	981.3	882.6	720.6	503.0	12.3	6.2	3.1	3.1
80°	902.6	859.4	757.6	594.0	387.3	9.3	6.2	4.6	3.1
82.5°	782.3	743.7	641.9	478.3	277.7	7.7	6.2	4.6	3.1
85°	674.3	637.2	533.9	373.4	182.1	6.2	4.6	4.6	3.1
87.5°	578.6	544.7	442.8	273.1	103.4	4.6	4.6	4.6	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)