

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: P895383

Luminaire Tested: 8TMB-SC3-ASYMR-UNV-CC93-MID-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895383
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-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 90CRI, 4000K CCT, MID setting
Light Source: -
Ballast/Driver: -

Summary

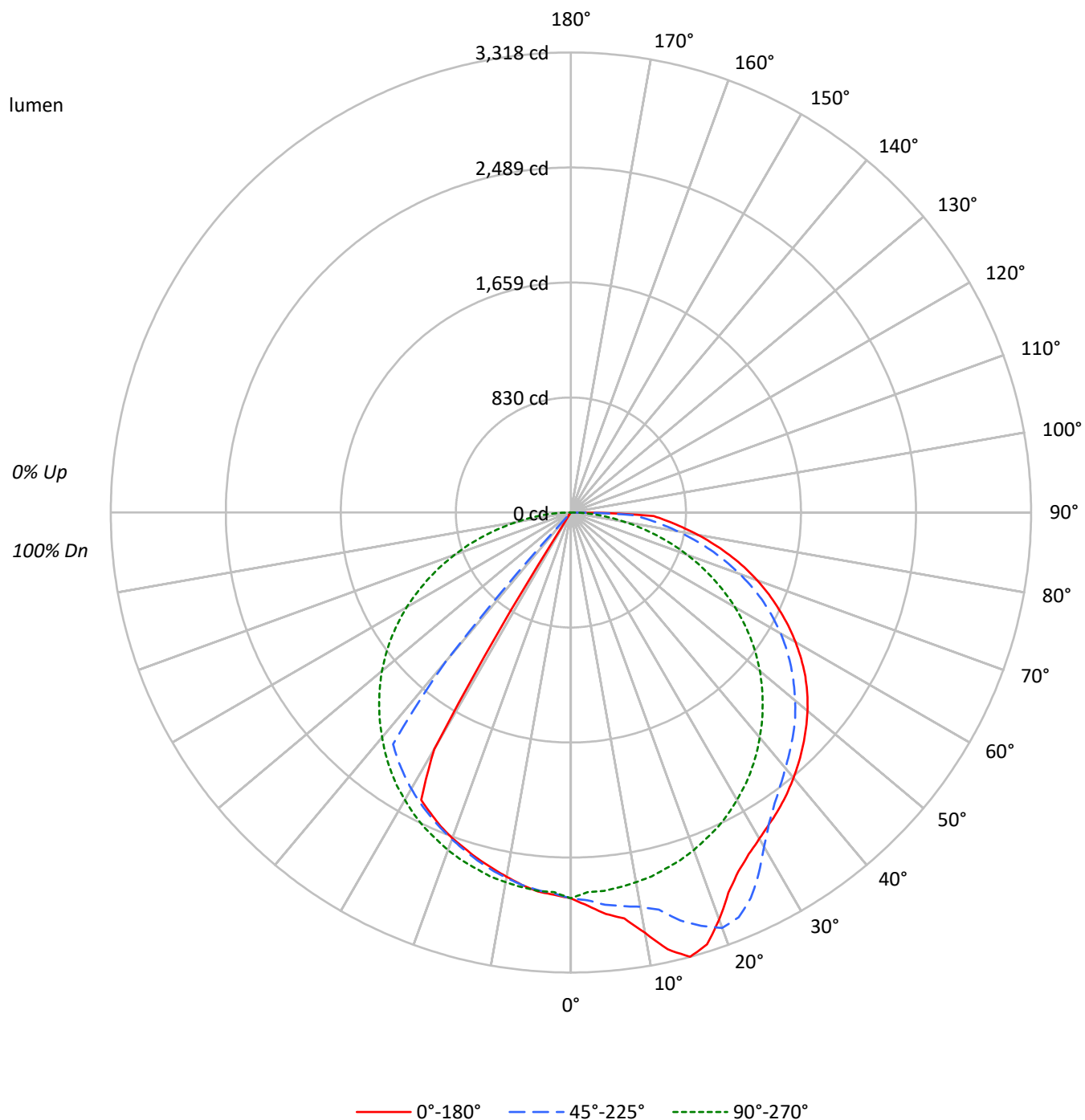
Lumens per Lamp: N/A
Luminaire Lumens: 7528.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.25
Luminous Opening: Rectangular (W 0.21' x L: 7.98' x H: 0')
CIE Type: Direct

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
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°	18017	18017	18017	18017	18017
5°	18894	18459	17806	17775	17837
10°	20244	18986	17803	17593	17540
15°	22242	20426	17809	17424	17339
20°	21534	21973	17855	17285	17230
25°	20404	21929	17899	17227	17101
30°	20316	20817	17897	17206	14727
35°	20659	20244	17926	17208	202
40°	21108	20341	17902	11867	134
45°	21685	20752	17906	219	88
50°	22443	21271	17916	160	32
55°	23298	21877	17865	108	18
60°	24229	22619	17708	41	21
65°	25369	23513	17385	49	49
70°	27063	24499	16835	61	61
75°	29623	26075	16107	160	80
80°	34762	29176	14916	239	119
85°	51741	40968	13968	357	238

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 87.5°

Luminance: 88716 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.6	3.5
10°-20°	796.1	10.6
20°-30°	1223.7	16.3
30°-40°	1311.4	17.4
40°-50°	1191.1	15.8
50°-60°	1086.4	14.4
60°-70°	808.2	10.7
70°-80°	568.9	7.6
80°-90°	275.6	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°	2286.4	30.4
0°-40°	3597.8	47.8
0°-60°	5875.3	78.0
0°-90°	7528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7528.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2782	2782	2782	2782	2782	
5°	2907	2840	2739	2735	2744	282
15°	3318	3047	2656	2599	2586	916
25°	2856	3069	2505	2411	2394	1328
35°	2613	2561	2268	2177	26	1637
45°	2368	2266	1955	24	10	1830
55°	2064	1938	1582	10	2	1843
65°	1656	1535	1135	3	3	1639
75°	1184	1042	644	6	3	1249
85°	696	551	188	5	3	700
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°	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4	2782.4
2.5°	2839.7	2807.9	2799.9	2822.2	2740.9	2795.1	2750.5	2760.1	2760.1
5°	2906.7	2862.0	2839.7	2833.4	2739.3	2776.0	2734.6	2734.6	2744.1
7.5°	2952.9	2903.5	2863.6	2847.7	2725.0	2756.9	2709.1	2709.1	2709.1
10°	3078.8	2986.3	2887.5	2858.9	2707.5	2731.4	2675.6	2678.8	2667.6
12.5°	3227.0	3144.1	2933.8	2854.1	2688.3	2699.5	2640.5	2638.9	2626.2
15°	3317.8	3255.7	3046.9	2847.7	2656.5	2666.0	2599.1	2594.3	2586.4
17.5°	3266.8	3257.2	3125.0	2842.9	2627.8	2619.8	2552.9	2548.1	2541.7
20°	3125.0	3148.9	3188.7	2833.4	2591.1	2575.2	2508.3	2505.1	2500.3
22.5°	2967.2	2991.1	3160.0	2849.3	2546.5	2527.4	2460.5	2457.3	2450.9
25°	2855.7	2855.7	3069.2	2887.5	2505.1	2470.0	2411.1	2406.3	2393.5
27.5°	2777.6	2763.2	2933.8	2930.6	2452.5	2412.7	2358.5	2353.7	2337.8
30°	2717.0	2693.1	2784.0	2951.3	2393.5	2350.5	2301.1	2296.3	1969.6
32.5°	2662.8	2637.4	2658.1	2968.8	2334.6	2283.6	2240.6	1598.3	70.1
35°	2613.4	2584.8	2560.9	2956.1	2267.6	2216.7	2176.8	46.2	25.5
37.5°	2557.7	2535.4	2481.2	2889.1	2195.9	2144.9	2106.7	25.5	22.3
40°	2497.1	2476.4	2406.3	2790.3	2117.8	2074.8	1403.9	22.3	15.9
42.5°	2435.0	2419.0	2336.2	2646.9	2039.8	1996.7	44.6	17.5	12.7
45°	2368.0	2353.7	2266.1	2473.2	1955.3	1915.5	23.9	12.7	9.6
47.5°	2299.5	2278.8	2192.7	2286.8	1869.3	1829.4	20.7	9.6	6.4
50°	2227.8	2205.5	2111.5	2122.6	1778.4	1738.6	15.9	6.4	3.2
52.5°	2148.1	2121.0	2025.4	1974.4	1682.8	1646.2	12.7	3.2	1.6
55°	2063.7	2033.4	1937.8	1845.3	1582.4	1541.0	9.6	3.2	1.6
57.5°	1969.6	1936.2	1845.3	1722.6	1475.6	1042.2	6.4	3.2	1.6
60°	1870.8	1837.4	1746.5	1607.9	1367.3	71.7	3.2	3.2	1.6
62.5°	1765.7	1730.6	1643.0	1491.6	1250.9	59.0	3.2	3.2	3.2
65°	1655.7	1614.3	1534.6	1372.1	1134.6	49.4	3.2	3.2	3.2
67.5°	1545.8	1493.2	1418.3	1249.4	1015.1	41.4	3.2	3.2	3.2
70°	1429.4	1372.1	1294.0	1125.1	889.2	33.5	3.2	3.2	3.2
72.5°	1309.9	1254.1	1169.7	999.2	771.3	25.5	3.2	3.2	3.2
75°	1184.0	1133.0	1042.2	873.3	643.8	19.1	6.4	3.2	3.2
77.5°	1053.3	1013.5	911.5	744.2	519.5	12.7	6.4	3.2	3.2
80°	932.2	887.6	782.4	613.5	400.0	9.6	6.4	4.8	3.2
82.5°	807.9	768.1	662.9	494.0	286.8	8.0	6.4	4.8	3.2
85°	696.4	658.1	551.4	385.6	188.0	6.4	4.8	4.8	3.2
87.5°	597.6	562.5	457.4	282.1	106.8	4.8	4.8	4.8	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)