

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: P895375

Luminaire Tested: 8TMB-SC3-ASYMR-UNV-CC83-MID-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895375
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-CC83-MID-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 80CRI, 5000K CCT, MID setting
Light Source: -
Ballast/Driver: -

Summary

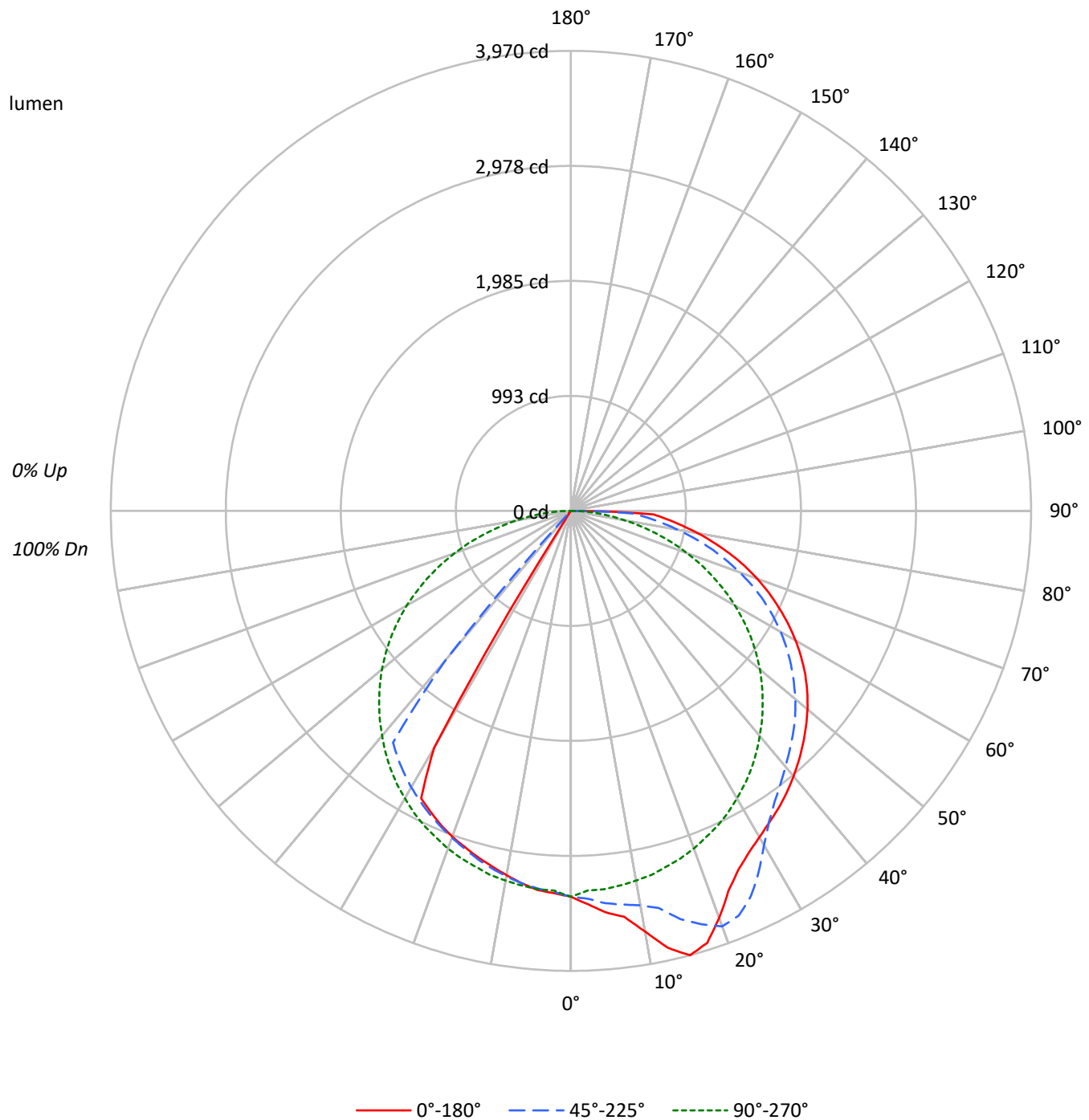
Lumens per Lamp: N/A
Luminaire Lumens: 9008.0 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.25
Luminous Opening: Rectangular (W 0.21' x L: 7.98' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P895375

CATALOG NUMBER: 8TMB-SC3-ASYMR-UNV-CC83-MID-5000K

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°	21559	21559	21559	21559	21559
5°	22608	22088	21307	21270	21344
10°	24224	22719	21303	21052	20989
15°	26615	24442	21310	20850	20747
20°	25768	26293	21366	20683	20617
25°	24415	26240	21417	20614	20464
30°	24310	24909	21415	20588	17623
35°	24722	24223	21450	20591	241
40°	25258	24340	21422	14200	161
45°	25949	24832	21426	262	104
50°	26855	25453	21439	192	38
55°	27879	26177	21377	129	21
60°	28993	27066	21189	49	25
65°	30356	28136	20803	58	58
70°	32385	29316	20145	72	72
75°	35447	31201	19275	190	95
80°	41598	34915	17847	283	142
85°	61912	49021	16717	423	282

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 87.5°

Luminance: 106159 cd/sqm

TEST NUMBER: P895375

CATALOG NUMBER: 8TMB-SC3-ASYMR-UNV-CC83-MID-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.0	3.5
10°-20°	952.6	10.6
20°-30°	1464.3	16.3
30°-40°	1569.3	17.4
40°-50°	1425.2	15.8
50°-60°	1300.0	14.4
60°-70°	967.1	10.7
70°-80°	680.7	7.6
80°-90°	329.8	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°	2735.9	30.4
0°-40°	4305.2	47.8
0°-60°	7030.4	78.0
0°-90°	9008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9008.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3329	3329	3329	3329	3329	
5°	3478	3398	3278	3272	3284	337
15°	3970	3646	3179	3110	3095	1096
25°	3417	3673	2998	2885	2864	1589
35°	3127	3064	2714	2605	30	1959
45°	2834	2712	2340	29	11	2189
55°	2469	2319	1894	11	2	2205
65°	1981	1836	1358	4	4	1962
75°	1417	1247	770	8	4	1494
85°	833	660	225	6	4	837
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°	3329.4	3329.4	3329.4	3329.4	3329.4	3329.4	3329.4	3329.4	3329.4
2.5°	3398.0	3359.9	3350.4	3377.0	3279.8	3344.6	3291.2	3302.7	3302.7
5°	3478.1	3424.7	3398.0	3390.4	3277.9	3321.8	3272.2	3272.2	3283.6
7.5°	3533.4	3474.3	3426.6	3407.6	3260.7	3298.9	3241.7	3241.7	3241.7
10°	3684.1	3573.5	3455.2	3420.9	3239.8	3268.4	3201.6	3205.4	3192.1
12.5°	3861.4	3762.2	3510.5	3415.2	3216.9	3230.2	3159.7	3157.8	3142.5
15°	3970.1	3895.7	3645.9	3407.6	3178.7	3190.2	3110.1	3104.4	3094.8
17.5°	3909.1	3897.6	3739.4	3401.8	3144.4	3134.9	3054.8	3049.1	3041.4
20°	3739.4	3768.0	3815.6	3390.4	3100.6	3081.5	3001.4	2997.6	2991.9
22.5°	3550.6	3579.2	3781.3	3409.5	3047.2	3024.3	2944.2	2940.4	2932.8
25°	3417.1	3417.1	3672.6	3455.2	2997.6	2955.6	2885.1	2879.4	2864.1
27.5°	3323.7	3306.5	3510.5	3506.7	2934.7	2887.0	2822.2	2816.4	2797.4
30°	3251.2	3222.6	3331.3	3531.5	2864.1	2812.6	2753.5	2747.8	2356.9
32.5°	3186.4	3155.9	3180.6	3552.5	2793.5	2732.5	2681.0	1912.6	83.9
35°	3127.3	3092.9	3064.3	3537.2	2713.5	2652.4	2604.8	55.3	30.5
37.5°	3060.5	3033.8	2969.0	3457.1	2627.7	2566.6	2520.9	30.5	26.7
40°	2988.0	2963.3	2879.4	3338.9	2534.2	2482.7	1679.9	26.7	19.1
42.5°	2913.7	2894.6	2795.5	3167.3	2440.8	2389.3	53.4	21.0	15.3
45°	2833.6	2816.4	2711.6	2959.4	2339.7	2292.0	28.6	15.3	11.4
47.5°	2751.6	2726.8	2623.8	2736.3	2236.7	2189.1	24.8	11.4	7.6
50°	2665.8	2639.1	2526.6	2539.9	2128.1	2080.4	19.1	7.6	3.8
52.5°	2570.4	2538.0	2423.6	2362.6	2013.6	1969.8	15.3	3.8	1.9
55°	2469.4	2433.2	2318.7	2208.1	1893.5	1843.9	11.4	3.8	1.9
57.5°	2356.9	2316.8	2208.1	2061.3	1765.8	1247.1	7.6	3.8	1.9
60°	2238.7	2198.6	2089.9	1924.0	1636.1	85.8	3.8	3.8	1.9
62.5°	2112.8	2070.8	1966.0	1784.8	1496.9	70.6	3.8	3.8	3.8
65°	1981.2	1931.6	1836.3	1641.8	1357.7	59.1	3.8	3.8	3.8
67.5°	1849.7	1786.7	1697.1	1495.0	1214.7	49.6	3.8	3.8	3.8
70°	1710.5	1641.8	1548.4	1346.2	1064.0	40.0	3.8	3.8	3.8
72.5°	1567.4	1500.7	1399.6	1195.6	922.9	30.5	3.8	3.8	3.8
75°	1416.8	1355.8	1247.1	1045.0	770.4	22.9	7.6	3.8	3.8
77.5°	1260.4	1212.8	1090.7	890.5	621.6	15.3	7.6	3.8	3.8
80°	1115.5	1062.1	936.3	734.1	478.6	11.4	7.6	5.7	3.8
82.5°	966.8	919.1	793.3	591.1	343.2	9.5	7.6	5.7	3.8
85°	833.3	787.5	659.8	461.5	225.0	7.6	5.7	5.7	3.8
87.5°	715.1	673.1	547.3	337.5	127.8	5.7	5.7	5.7	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)