

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: P895472

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895472
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-SC3-LVRF-UNV-CC93-MID-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with LOUVER WITH FROSTED INLAY, 90CRI, 3500K CCT
lumen setting
Light Source: -
Ballast/Driver: -

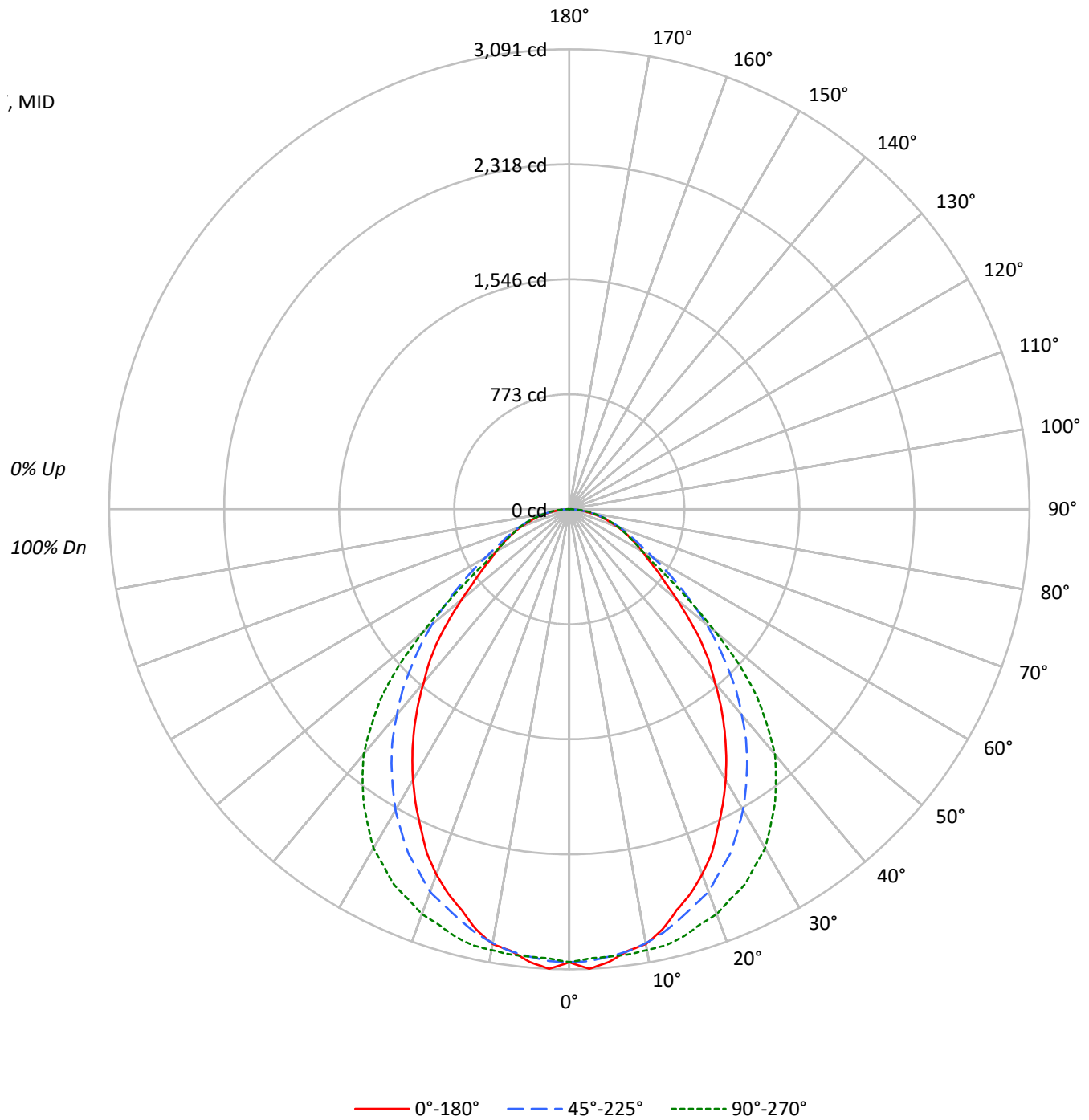
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6325.0 lumens
Efficiency: N/A
Efficacy: 94.5 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): 66.9
Input Voltage (V): 120
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	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°	10798	10798	10798
5°	10873	10749	10749
10°	10685	10668	10833
15°	10243	10481	10912
20°	9854	10326	10929
25°	9244	10006	10904
30°	8604	9564	10776
35°	7876	9021	10433
40°	7051	8342	9954
45°	6258	7552	8950
50°	5206	6648	7058
55°	4435	5600	5130
60°	4021	4627	4054
65°	3786	4053	3774
70°	3562	3760	3678
75°	3319	3579	3515
80°	3040	3298	3396
85°	2642	2899	3802

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8950 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	4.6
10°-20°	810.8	12.8
20°-30°	1177.4	18.6
30°-40°	1311.1	20.7
40°-50°	1158.3	18.3
50°-60°	760.1	12.0
60°-70°	465.4	7.4
70°-80°	270.8	4.3
80°-90°	83.0	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°	2276.3	36.0
0°-40°	3587.4	56.7
0°-60°	5505.8	87.0
0°-90°	6325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3043	3043	3043	3043	3043	
5°	3053	3054	3018	3048	3018	288
15°	2788	2820	2853	2966	2970	787
25°	2361	2418	2556	2719	2785	1086
35°	1818	1916	2083	2303	2409	1134
45°	1247	1323	1505	1708	1784	954
55°	717	768	905	897	829	650
65°	451	459	483	468	450	448
75°	242	245	261	266	256	257
85°	65	68	71	81	93	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3043.3	3043.3	3043.3	3043.3	3043.3
2.5°	3090.8	3052.8	3038.6	3052.8	3021.1
5°	3052.8	3054.4	3018.0	3048.0	3018.0
7.5°	2992.7	3013.2	2995.8	3041.7	3018.0
10°	2965.8	2967.3	2961.0	3008.5	3006.9
12.5°	2891.4	2896.1	2913.5	2984.7	3000.6
15°	2788.5	2820.2	2853.4	2965.8	2970.5
17.5°	2707.8	2745.8	2790.1	2910.4	2924.6
20°	2609.7	2625.5	2734.7	2840.7	2894.5
22.5°	2500.5	2530.5	2636.6	2779.0	2832.8
25°	2361.2	2418.2	2555.9	2718.9	2785.3
27.5°	2233.0	2299.5	2441.9	2623.9	2701.5
30°	2100.1	2176.0	2334.3	2513.1	2630.2
32.5°	1962.4	2057.4	2207.7	2413.4	2516.3
35°	1818.4	1916.5	2082.7	2302.7	2408.7
37.5°	1674.4	1769.3	1949.7	2185.5	2280.5
40°	1522.4	1615.8	1801.0	2039.9	2149.1
42.5°	1391.1	1471.8	1661.7	1865.9	1967.1
45°	1247.1	1323.0	1505.0	1707.6	1783.6
47.5°	1088.8	1177.4	1354.7	1520.9	1550.9
50°	943.2	1035.0	1204.3	1300.9	1278.7
52.5°	815.0	892.6	1047.7	1088.8	1036.6
55°	716.9	767.6	905.2	897.3	829.3
57.5°	626.7	658.4	775.5	731.2	666.3
60°	566.6	580.8	652.0	610.9	571.3
62.5°	509.6	515.9	553.9	531.7	501.7
65°	451.0	458.9	482.7	468.4	449.5
67.5°	397.2	400.4	422.5	419.4	395.6
70°	343.4	348.2	362.4	368.7	354.5
72.5°	291.2	295.9	310.2	316.5	303.9
75°	242.1	245.3	261.1	265.9	256.4
77.5°	194.7	201.0	210.5	218.4	207.3
80°	148.8	151.9	161.4	170.9	166.2
82.5°	104.5	109.2	115.5	128.2	131.4
85°	64.9	68.1	71.2	80.7	93.4
87.5°	25.3	26.9	31.7	34.8	45.9
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	15.80	17.28	16.16	17.59	17.91	16.45	17.93	16.81	18.24	18.56
	3H	17.40	18.72	17.78	19.05	19.41	17.88	19.21	18.26	19.54	19.90
	4H	18.01	19.26	18.41	19.61	19.98	18.49	19.73	18.89	20.08	20.46
	6H	18.49	19.63	18.90	20.00	20.39	18.98	20.12	19.39	20.49	20.88
	8H	18.64	19.73	19.06	20.12	20.52	19.17	20.26	19.60	20.65	21.06
	12H	18.74	19.78	19.17	20.16	20.59	19.34	20.39	19.77	20.77	21.20
4H	2H	16.42	17.66	16.82	18.01	18.39	16.94	18.18	17.34	18.53	18.91
	3H	18.24	19.27	18.65	19.67	20.07	18.64	19.67	19.05	20.07	20.47
	4H	18.98	19.90	19.41	20.32	20.76	19.39	20.32	19.83	20.73	21.17
	6H	19.58	20.38	20.03	20.82	21.28	20.03	20.83	20.49	21.28	21.74
	8H	19.77	20.52	20.24	20.97	21.44	20.28	21.04	20.75	21.48	21.95
	12H	19.91	20.59	20.40	21.07	21.54	20.51	21.18	20.99	21.66	22.13
8H	4H	19.30	20.05	19.76	20.49	20.96	19.66	20.42	20.13	20.86	21.33
	6H	20.02	20.64	20.52	21.13	21.61	20.44	21.06	20.94	21.55	22.03
	8H	20.29	20.85	20.81	21.36	21.85	20.78	21.34	21.30	21.85	22.34
	12H	20.51	21.01	21.02	21.50	22.07	21.10	21.60	21.61	22.09	22.66
12H	4H	19.33	20.00	19.81	20.48	20.95	19.68	20.35	20.17	20.83	21.31
	6H	20.08	20.65	20.60	21.16	21.64	20.48	21.04	21.00	21.55	22.04
	8H	20.42	20.91	20.93	21.41	21.97	20.89	21.39	21.40	21.88	22.44