

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: P895436

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895436
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-SC3-LVR-UNV-CC93-MID-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 3500K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

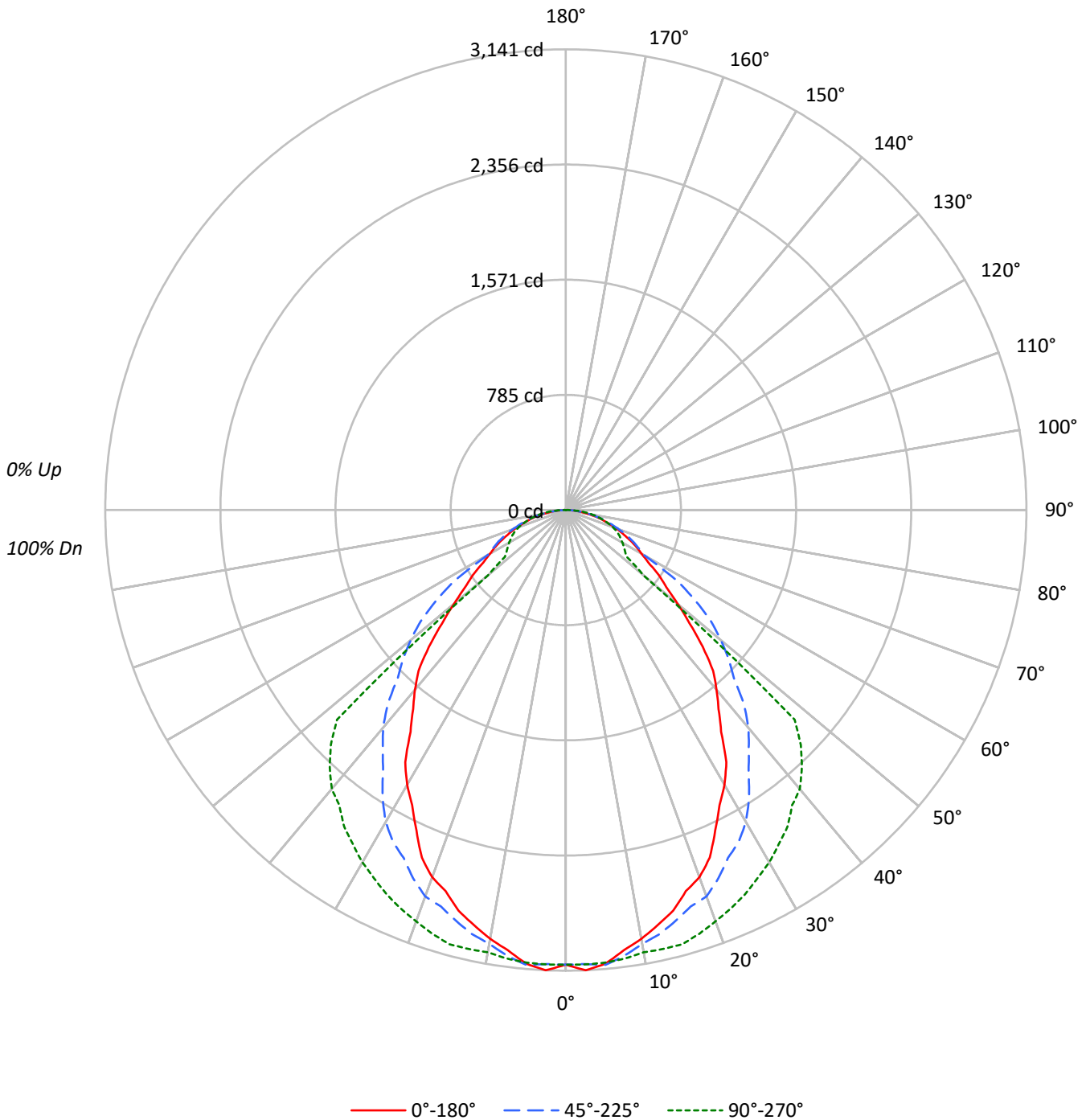
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6615.0 lumens
Efficiency: N/A
Efficacy: 98.9 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): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75	75	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65	65	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57	57	57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	57	52	50	50	50
6	75	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40	40
8	65	52	44	39	63	52	44	39	50	43	39	49	43	38	48	42	38	36	36	36
9	61	48	40	35	59	48	40	35	47	40	35	45	39	35	44	39	35	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10999	10999	10999
5°	11057	11086	11029
10°	10695	10820	11031
15°	10386	10648	11259
20°	10060	10587	11268
25°	9439	10245	11317
30°	8867	10060	11364
35°	7995	9408	11417
40°	7406	8975	11498
45°	6625	8134	11368
50°	5497	7620	3819
55°	4789	6689	3055
60°	4235	4359	3168
65°	4027	4240	3362
70°	3777	4007	3548
75°	3516	3777	3647
80°	3202	3557	3817
85°	2838	3029	4124

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 11368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.0	4.4
10°-20°	827.1	12.5
20°-30°	1216.7	18.4
30°-40°	1391.4	21.0
40°-50°	1317.6	19.9
50°-60°	725.9	11.0
60°-70°	466.1	7.0
70°-80°	287.6	4.3
80°-90°	88.5	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°	2337.8	35.3
0°-40°	3729.3	56.4
0°-60°	5772.8	87.3
0°-90°	6615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3100	3100	3100	3100	3100	
5°	3104	3130	3112	3112	3097	291
15°	2828	2862	2899	3051	3065	794
25°	2411	2519	2617	2788	2891	1110
35°	1846	2004	2172	2487	2636	1167
45°	1320	1445	1621	2080	2266	1010
55°	774	812	1081	557	494	692
65°	480	496	505	450	400	475
75°	256	261	276	290	266	273
85°	70	70	74	86	101	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3099.8	3099.8	3099.8	3099.8	3099.8
2.5°	3141.0	3148.9	3098.2	3096.6	3101.4
5°	3104.5	3129.9	3112.5	3112.5	3096.6
7.5°	3027.0	3069.7	3065.0	3101.4	3084.0
10°	2968.4	3003.2	3003.2	3098.2	3061.8
12.5°	2898.7	2938.3	2960.5	3060.2	3065.0
15°	2827.5	2862.3	2898.7	3050.7	3065.0
17.5°	2724.6	2787.9	2833.8	2982.6	3028.6
20°	2664.4	2702.4	2803.8	2924.1	2984.2
22.5°	2564.7	2620.1	2718.3	2852.8	2941.5
25°	2411.1	2518.8	2616.9	2787.9	2890.8
27.5°	2268.6	2349.4	2552.0	2732.5	2830.7
30°	2164.2	2227.5	2455.5	2651.8	2773.7
32.5°	2037.5	2140.4	2325.6	2572.6	2702.4
35°	1845.9	2004.3	2172.1	2487.1	2635.9
37.5°	1711.4	1820.6	2048.6	2398.5	2536.2
40°	1599.0	1698.7	1937.8	2287.6	2482.4
42.5°	1486.6	1567.3	1798.5	2205.3	2382.6
45°	1320.3	1445.4	1621.1	2080.3	2265.5
47.5°	1146.2	1279.2	1505.6	1974.2	2116.7
50°	995.8	1101.9	1380.5	1763.6	691.8
52.5°	864.4	962.6	1247.5	638.0	522.4
55°	774.2	812.2	1081.3	557.3	493.9
57.5°	666.5	728.2	907.1	530.4	468.6
60°	596.8	623.8	614.3	503.4	446.4
62.5°	541.4	560.4	557.3	476.5	421.1
65°	479.7	495.5	505.0	449.6	400.5
67.5°	418.0	432.2	446.4	416.4	372.0
70°	364.1	373.6	386.3	376.8	342.0
72.5°	308.7	319.8	327.7	335.6	302.4
75°	256.5	261.2	275.5	289.7	266.0
77.5°	209.0	213.7	223.2	239.1	226.4
80°	156.7	161.5	174.1	186.8	186.8
82.5°	110.8	114.0	121.9	139.3	147.2
85°	69.7	69.7	74.4	85.5	101.3
87.5°	26.9	26.9	31.7	38.0	50.7
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	16.28	17.76	16.65	18.08	18.39	14.08	15.57	14.45	15.88	16.19
	3H	17.81	19.13	18.18	19.46	19.82	16.41	17.74	16.79	18.07	18.43
	4H	18.40	19.64	18.80	19.99	20.37	17.36	18.61	17.76	18.96	19.34
	6H	18.86	20.00	19.27	20.37	20.76	18.15	19.30	18.56	19.66	20.06
	8H	19.00	20.09	19.43	20.48	20.88	18.46	19.55	18.89	19.94	20.34
	12H	19.10	20.14	19.53	20.52	20.95	18.71	19.75	19.14	20.14	20.56
4H	2H	16.83	18.07	17.23	18.42	18.80	15.19	16.43	15.59	16.78	17.16
	3H	18.60	19.63	19.01	20.03	20.43	17.63	18.66	18.04	19.06	19.46
	4H	19.32	20.25	19.76	20.66	21.10	18.70	19.62	19.13	20.04	20.48
	6H	19.91	20.71	20.37	21.16	21.62	19.59	20.39	20.05	20.84	21.30
	8H	20.10	20.85	20.56	21.30	21.76	19.94	20.69	20.40	21.14	21.60
	12H	20.23	20.91	20.72	21.39	21.86	20.23	20.90	20.71	21.38	21.85
8H	4H	19.63	20.38	20.09	20.83	21.30	19.09	19.84	19.55	20.28	20.75
	6H	20.34	20.97	20.84	21.46	21.94	20.12	20.75	20.62	21.24	21.72
	8H	20.60	21.16	21.12	21.68	22.16	20.57	21.13	21.08	21.64	22.13
	12H	20.81	21.31	21.32	21.80	22.37	20.95	21.45	21.46	21.94	22.51
12H	4H	19.67	20.34	20.15	20.82	21.29	19.12	19.79	19.60	20.27	20.74
	6H	20.41	20.97	20.92	21.48	21.97	20.19	20.75	20.70	21.26	21.75
	8H	20.73	21.22	21.24	21.72	22.28	20.69	21.19	21.20	21.68	22.25