

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: P895448

Luminaire Tested: 8TMB-SC3-LVRA-UNV-CC93-HI-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-26)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-LVRA-UNV-CC93-HI-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with LOUVER WITH AISLE OPTIC, 90CRI, 3500K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

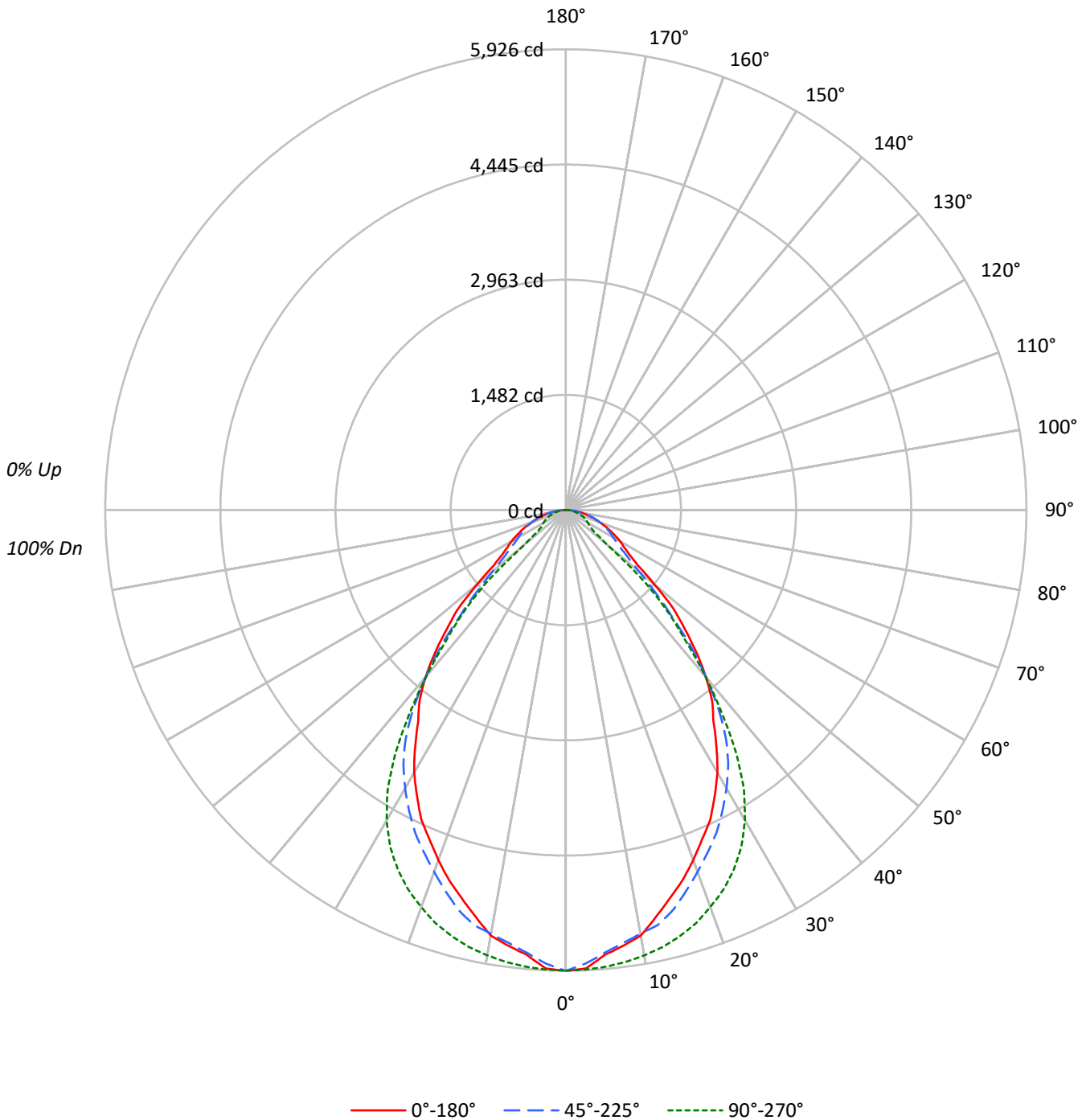
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9618.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.16 / 1.12
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 101.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	80	80	80	78
3	96	87	80	75	94	86	80	75	83	78	73	80	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	63	63	63	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	40	37	37	37	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21027	21027	21027
5°	20460	20368	21004
10°	20025	19937	20955
15°	18992	19575	20838
20°	18092	18703	20519
25°	17209	17944	19996
30°	15988	16940	18880
35°	14336	15567	16559
40°	12989	13017	12946
45°	10860	9619	9381
50°	8203	6770	3836
55°	6170	5414	2419
60°	5734	4986	2330
65°	5335	4975	2334
70°	4880	4880	2298
75°	4627	4753	2219
80°	4275	4493	2278
85°	3729	3916	2487

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11113 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.4	5.7
10°-20°	1508.4	15.7
20°-30°	2138.9	22.2
30°-40°	2203.5	22.9
40°-50°	1539.1	16.0
50°-60°	738.5	7.7
60°-70°	518.1	5.4
70°-80°	323.9	3.4
80°-90°	100.2	1.0
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°	4194.6	43.6
0°-40°	6398.1	66.5
0°-60°	8675.7	90.2
0°-90°	9618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9618.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5926	5926	5926	5926	5926	
5°	5744	5737	5718	5868	5897	544
15°	5170	5208	5329	5482	5673	1456
25°	4396	4440	4584	4894	5108	2010
35°	3310	3400	3594	3669	3823	2086
45°	2164	2215	1917	1819	1870	1667
55°	997	948	875	560	391	935
65°	635	594	593	451	278	630
75°	338	333	347	299	162	355
85°	92	92	96	95	61	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5926.2	5926.2	5926.2	5926.2	5926.2
2.5°	5903.3	5885.0	5840.7	5921.6	5915.5
5°	5744.4	5736.8	5718.5	5868.2	5897.2
7.5°	5654.3	5639.1	5617.7	5782.6	5863.6
10°	5558.1	5576.4	5533.7	5684.9	5816.2
12.5°	5359.5	5408.4	5466.5	5584.1	5758.2
15°	5170.2	5208.3	5329.0	5481.7	5672.7
17.5°	4993.0	5037.3	5141.1	5370.2	5573.4
20°	4791.4	4852.5	4953.3	5246.5	5434.4
22.5°	4583.6	4640.2	4766.9	5081.6	5290.8
25°	4395.8	4440.1	4583.6	4893.7	5107.5
27.5°	4146.8	4229.3	4365.2	4664.6	4889.1
30°	3902.4	3972.7	4134.6	4386.6	4608.1
32.5°	3607.7	3710.0	3888.7	4081.1	4265.9
35°	3309.8	3399.9	3593.9	3668.7	3823.0
37.5°	3092.9	3117.4	3227.3	3218.2	3305.2
40°	2804.3	2853.1	2810.4	2695.8	2795.1
42.5°	2492.7	2550.7	2378.1	2245.2	2280.4
45°	2164.3	2214.7	1916.9	1819.1	1869.5
47.5°	1880.2	1875.6	1545.7	1480.0	1409.8
50°	1486.1	1535.0	1226.5	1104.3	695.0
52.5°	1160.8	1179.1	1011.1	705.6	456.7
55°	997.4	948.5	875.2	560.5	391.0
57.5°	885.9	824.8	775.9	520.8	357.4
60°	808.0	739.2	702.6	494.9	328.4
62.5°	719.4	665.9	652.2	472.0	302.4
65°	635.4	594.1	592.6	450.6	278.0
67.5°	551.4	528.5	534.6	424.6	250.5
70°	470.4	465.8	470.4	391.0	221.5
72.5°	401.7	397.1	409.3	348.2	189.4
75°	337.5	333.0	346.7	299.4	161.9
77.5°	268.8	271.9	281.0	249.0	135.9
80°	209.2	209.2	219.9	195.5	111.5
82.5°	149.7	151.2	157.3	143.6	87.1
85°	91.6	91.6	96.2	94.7	61.1
87.5°	30.5	35.1	41.2	44.3	30.5
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	16.23	17.58	16.59	17.90	18.21	12.56	13.91	12.93	14.23	14.54
	3H	17.97	19.17	18.35	19.50	19.87	14.54	15.74	14.92	16.07	16.44
	4H	18.64	19.77	19.04	20.12	20.50	15.24	16.37	15.64	16.72	17.10
	6H	19.15	20.18	19.56	20.55	20.95	15.76	16.80	16.18	17.17	17.57
	8H	19.32	20.30	19.75	20.69	21.10	15.95	16.94	16.38	17.33	17.73
	12H	19.43	20.37	19.86	20.75	21.18	16.09	17.03	16.52	17.41	17.84
4H	2H	16.76	17.89	17.16	18.24	18.62	14.18	15.31	14.59	15.66	16.04
	3H	18.74	19.67	19.15	20.07	20.47	16.36	17.29	16.77	17.69	18.10
	4H	19.54	20.37	19.97	20.79	21.23	17.24	18.08	17.68	18.50	18.94
	6H	20.18	20.91	20.64	21.35	21.82	17.88	18.61	18.35	19.05	19.52
	8H	20.40	21.08	20.87	21.52	21.99	18.09	18.77	18.56	19.22	19.69
	12H	20.56	21.16	21.04	21.64	22.11	18.25	18.85	18.74	19.33	19.81
8H	4H	19.82	20.50	20.29	20.95	21.42	17.89	18.57	18.36	19.01	19.48
	6H	20.61	21.16	21.11	21.66	22.14	18.75	19.31	19.25	19.80	20.28
	8H	20.91	21.41	21.43	21.92	22.41	19.08	19.58	19.60	20.09	20.58
	12H	21.14	21.58	21.66	22.08	22.65	19.34	19.78	19.86	20.28	20.85
12H	4H	19.84	20.44	20.32	20.92	21.39	17.96	18.56	18.45	19.04	19.52
	6H	20.66	21.16	21.18	21.67	22.16	18.89	19.39	19.41	19.90	20.39
	8H	21.02	21.46	21.54	21.96	22.53	19.30	19.74	19.82	20.24	20.81