

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: P895435

Luminaire Tested: 8TMB-SC3-LVR-UNV-CC93-LOW-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895435
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-LOW-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 5000K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

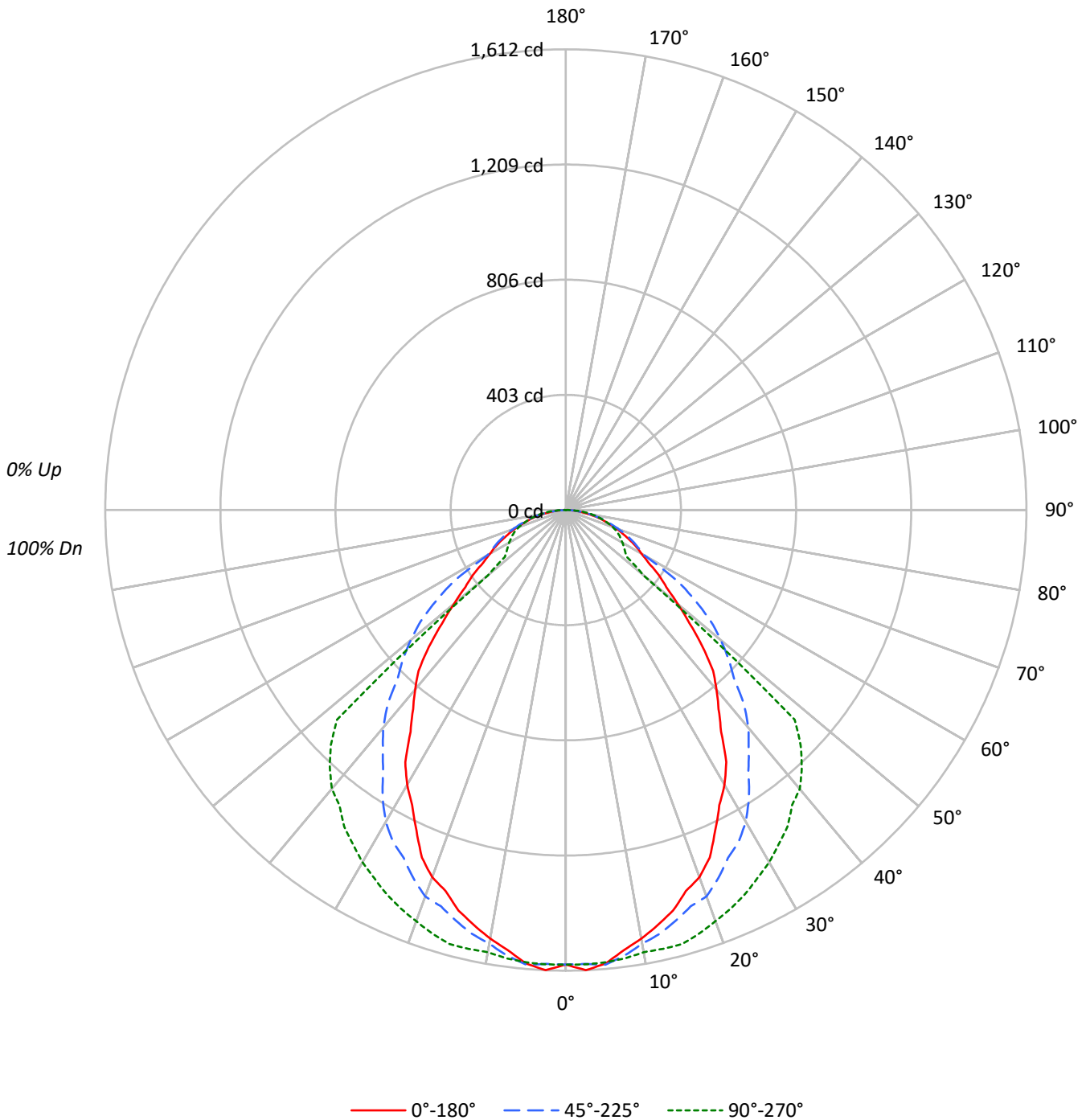
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3394.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.33 / 1.27
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
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	71	80	74	69	77	72	68	75	71	67	67	67	67	65
4	87	76	68	62	84	74	67	61	72	66	61	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	57	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	43	39	49	43	38	48	42	38	38	38	38	36
9	61	48	40	35	59	48	40	35	47	40	35	45	39	35	44	39	35	35	35	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5643	5643	5643
5°	5673	5688	5659
10°	5487	5552	5660
15°	5329	5463	5777
20°	5162	5432	5781
25°	4843	5257	5807
30°	4549	5161	5830
35°	4102	4827	5858
40°	3800	4605	5899
45°	3399	4174	5833
50°	2820	3910	1960
55°	2457	3432	1568
60°	2173	2237	1626
65°	2066	2175	1725
70°	1938	2056	1821
75°	1804	1937	1871
80°	1643	1827	1957
85°	1453	1555	2117

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5833 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	4.4
10°-20°	424.4	12.5
20°-30°	624.3	18.4
30°-40°	713.9	21.0
40°-50°	676.0	19.9
50°-60°	372.4	11.0
60°-70°	239.1	7.0
70°-80°	147.6	4.3
80°-90°	45.4	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°	1199.5	35.3
0°-40°	1913.4	56.4
0°-60°	2961.9	87.3
0°-90°	3394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1590	1590	1590	1590	1590	
5°	1593	1606	1597	1597	1589	149
15°	1451	1469	1487	1565	1573	407
25°	1237	1292	1343	1430	1483	570
35°	947	1028	1114	1276	1352	599
45°	677	742	832	1067	1162	518
55°	397	417	555	286	253	355
65°	246	254	259	231	206	244
75°	132	134	141	149	136	140
85°	36	36	38	44	52	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1611.6	1615.6	1589.6	1588.8	1591.2
5°	1592.9	1605.9	1596.9	1596.9	1588.8
7.5°	1553.1	1575.0	1572.6	1591.2	1582.3
10°	1523.0	1540.9	1540.9	1589.6	1570.9
12.5°	1487.3	1507.6	1519.0	1570.1	1572.6
15°	1450.7	1468.6	1487.3	1565.3	1572.6
17.5°	1397.9	1430.4	1454.0	1530.3	1553.9
20°	1367.1	1386.6	1438.5	1500.3	1531.1
22.5°	1315.9	1344.3	1394.7	1463.7	1509.2
25°	1237.1	1292.3	1342.7	1430.4	1483.2
27.5°	1164.0	1205.4	1309.4	1402.0	1452.3
30°	1110.4	1142.9	1259.8	1360.6	1423.1
32.5°	1045.4	1098.2	1193.2	1319.9	1386.6
35°	947.1	1028.3	1114.4	1276.1	1352.4
37.5°	878.1	934.1	1051.1	1230.6	1301.3
40°	820.4	871.6	994.2	1173.7	1273.6
42.5°	762.7	804.2	922.7	1131.5	1222.5
45°	677.4	741.6	831.8	1067.3	1162.4
47.5°	588.1	656.3	772.5	1012.9	1086.0
50°	510.9	565.3	708.3	904.9	355.0
52.5°	443.5	493.9	640.1	327.3	268.1
55°	397.2	416.7	554.8	285.9	253.4
57.5°	342.0	373.6	465.4	272.1	240.4
60°	306.2	320.0	315.2	258.3	229.1
62.5°	277.8	287.5	285.9	244.5	216.1
65°	246.1	254.2	259.1	230.7	205.5
67.5°	214.4	221.8	229.1	213.6	190.9
70°	186.8	191.7	198.2	193.3	175.5
72.5°	158.4	164.1	168.1	172.2	155.1
75°	131.6	134.0	141.3	148.6	136.5
77.5°	107.2	109.7	114.5	122.7	116.2
80°	80.4	82.9	89.4	95.8	95.8
82.5°	56.9	58.5	62.5	71.5	75.5
85°	35.7	35.7	38.2	43.9	52.0
87.5°	13.8	13.8	16.2	19.5	26.0
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	13.96	15.44	14.33	15.76	16.07	11.76	13.25	12.13	13.56	13.87
	3H	15.49	16.81	15.87	17.14	17.51	14.10	15.42	14.47	15.75	16.11
	4H	16.08	17.32	16.48	17.67	18.05	15.04	16.29	15.45	16.64	17.02
	6H	16.54	17.68	16.95	18.05	18.44	15.83	16.98	16.24	17.34	17.74
	8H	16.68	17.77	17.11	18.16	18.57	16.14	17.23	16.57	17.62	18.02
	12H	16.78	17.82	17.21	18.21	18.63	16.39	17.43	16.82	17.82	18.25
4H	2H	14.51	15.76	14.91	16.10	16.48	12.87	14.11	13.27	14.46	14.84
	3H	16.28	17.31	16.70	17.71	18.12	15.31	16.34	15.73	16.74	17.15
	4H	17.00	17.93	17.44	18.35	18.79	16.38	17.31	16.81	17.72	18.16
	6H	17.59	18.40	18.05	18.84	19.30	17.27	18.07	17.73	18.52	18.98
	8H	17.78	18.53	18.24	18.98	19.45	17.62	18.37	18.08	18.82	19.28
	12H	17.92	18.59	18.40	19.07	19.54	17.91	18.58	18.39	19.06	19.53
8H	4H	17.31	18.06	17.78	18.51	18.98	16.77	17.52	17.23	17.96	18.43
	6H	18.02	18.65	18.52	19.14	19.62	17.80	18.43	18.30	18.92	19.40
	8H	18.28	18.85	18.80	19.36	19.85	18.25	18.81	18.76	19.32	19.81
	12H	18.49	18.99	19.00	19.48	20.05	18.63	19.13	19.14	19.62	20.19
12H	4H	17.35	18.02	17.83	18.50	18.97	16.80	17.47	17.28	17.95	18.43
	6H	18.09	18.65	18.60	19.16	19.65	17.87	18.43	18.38	18.94	19.43
	8H	18.41	18.91	18.92	19.40	19.96	18.37	18.87	18.88	19.37	19.93