

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: P895469

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

Issue Date: 11/11/2024

**Test Information**

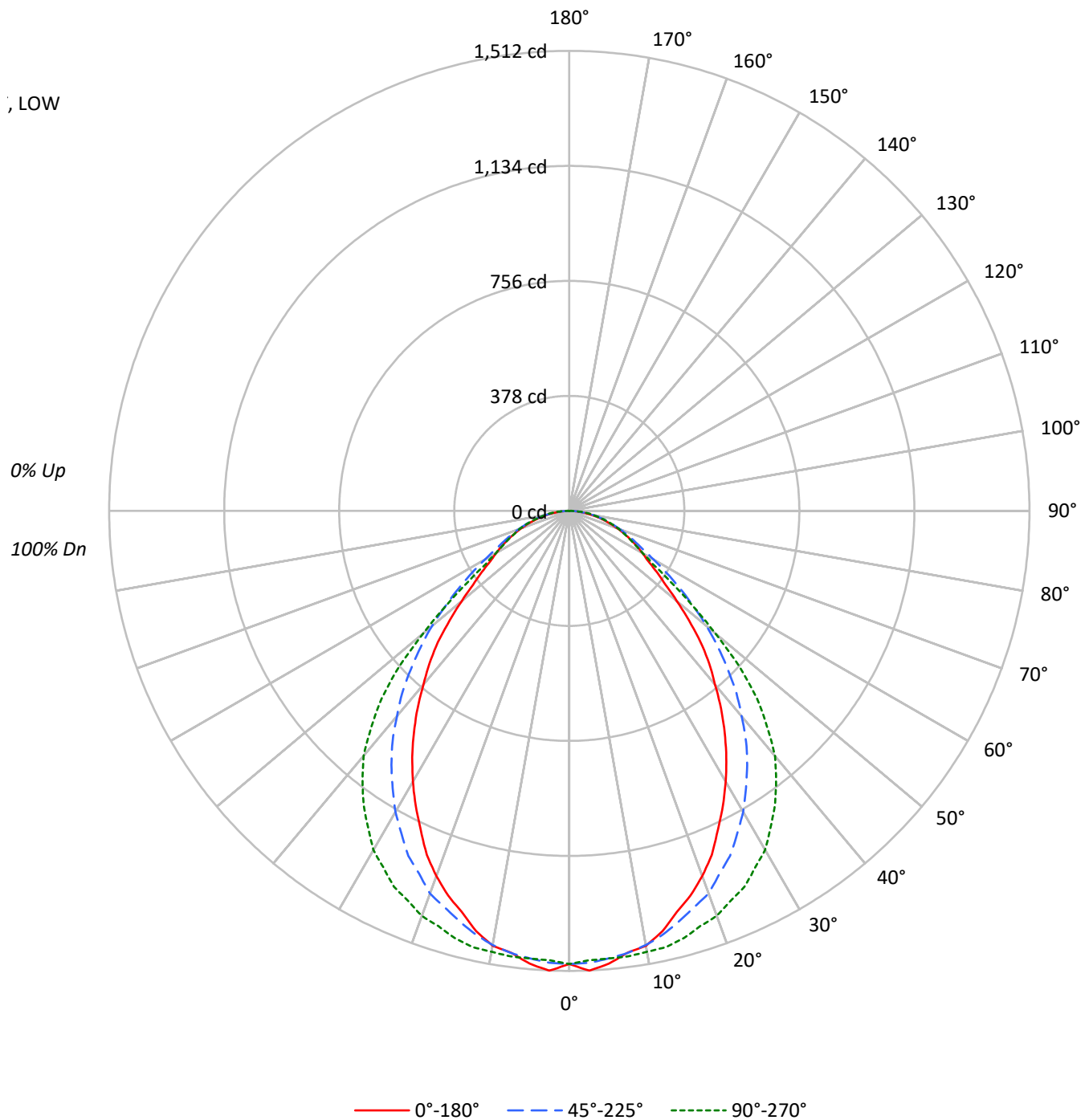
Test Method: LM-79-2019  
Report Number: P895469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2407-175-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-LVRF-UNV-CC93-LOW-3500K  
Description: Selectable 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: 3095.0 lumens  
Efficiency: N/A  
Efficacy: 92.4 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): 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	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°	5284	5284	5284
5°	5320	5260	5260
10°	5228	5220	5301
15°	5012	5129	5339
20°	4822	5053	5348
25°	4523	4896	5336
30°	4210	4680	5273
35°	3854	4414	5105
40°	3451	4082	4871
45°	3062	3696	4379
50°	2547	3253	3454
55°	2170	2740	2510
60°	1967	2264	1984
65°	1853	1983	1846
70°	1743	1839	1800
75°	1625	1752	1720
80°	1488	1614	1661
85°	1295	1417	1860

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 4379 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.0	4.6
10°-20°	396.7	12.8
20°-30°	576.1	18.6
30°-40°	641.6	20.7
40°-50°	566.8	18.3
50°-60°	371.9	12.0
60°-70°	227.7	7.4
70°-80°	132.5	4.3
80°-90°	40.6	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°	1113.9	36.0
0°-40°	1755.4	56.7
0°-60°	2694.2	87.0
0°-90°	3095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3095.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1489	1489	1489	1489	1489	
5°	1494	1495	1477	1492	1477	141
15°	1364	1380	1396	1451	1454	385
25°	1155	1183	1251	1330	1363	532
35°	890	938	1019	1127	1179	555
45°	610	647	736	836	873	467
55°	351	376	443	439	406	318
65°	221	225	236	229	220	219
75°	118	120	128	130	126	126
85°	32	33	35	40	46	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1489.2	1489.2	1489.2	1489.2	1489.2
2.5°	1512.4	1493.8	1486.8	1493.8	1478.3
5°	1493.8	1494.6	1476.8	1491.5	1476.8
7.5°	1464.4	1474.5	1465.9	1488.4	1476.8
10°	1451.2	1452.0	1448.9	1472.1	1471.4
12.5°	1414.8	1417.2	1425.7	1460.5	1468.3
15°	1364.5	1380.0	1396.2	1451.2	1453.5
17.5°	1325.0	1343.6	1365.3	1424.1	1431.1
20°	1277.0	1284.7	1338.2	1390.0	1416.4
22.5°	1223.6	1238.3	1290.2	1359.8	1386.2
25°	1155.4	1183.3	1250.7	1330.4	1362.9
27.5°	1092.7	1125.2	1194.9	1284.0	1321.9
30°	1027.6	1064.8	1142.2	1229.7	1287.1
32.5°	960.3	1006.7	1080.3	1181.0	1231.3
35°	889.8	937.8	1019.1	1126.8	1178.6
37.5°	819.3	865.8	954.1	1069.4	1115.9
40°	745.0	790.7	881.3	998.2	1051.6
42.5°	680.7	720.2	813.1	913.0	962.6
45°	610.2	647.4	736.5	835.6	872.7
47.5°	532.8	576.2	662.9	744.2	758.9
50°	461.5	506.5	589.3	636.6	625.7
52.5°	398.8	436.8	512.7	532.8	507.2
55°	350.8	375.6	443.0	439.1	405.8
57.5°	306.7	322.2	379.5	357.8	326.0
60°	277.2	284.2	319.1	298.9	279.6
62.5°	249.4	252.5	271.0	260.2	245.5
65°	220.7	224.6	236.2	229.2	219.9
67.5°	194.4	195.9	206.8	205.2	193.6
70°	168.0	170.4	177.3	180.4	173.5
72.5°	142.5	144.8	151.8	154.9	148.7
75°	118.5	120.0	127.8	130.1	125.5
77.5°	95.3	98.3	103.0	106.9	101.4
80°	72.8	74.3	79.0	83.6	81.3
82.5°	51.1	53.4	56.5	62.7	64.3
85°	31.8	33.3	34.8	39.5	45.7
87.5°	12.4	13.2	15.5	17.0	22.5
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	13.31	14.80	13.68	15.11	15.42	13.97	15.45	14.33	15.76	16.07
	3H	14.91	16.24	15.29	16.57	16.93	15.40	16.73	15.78	17.05	17.42
	4H	15.53	16.77	15.93	17.12	17.50	16.01	17.25	16.41	17.60	17.98
	6H	16.00	17.15	16.42	17.52	17.91	16.49	17.64	16.91	18.01	18.40
	8H	16.15	17.25	16.58	17.64	18.04	16.69	17.78	17.12	18.17	18.57
	12H	16.25	17.30	16.69	17.68	18.11	16.86	17.90	17.29	18.28	18.71
4H	2H	13.94	15.18	14.34	15.53	15.91	14.46	15.70	14.86	16.05	16.43
	3H	15.76	16.78	16.17	17.18	17.59	16.16	17.18	16.57	17.59	17.99
	4H	16.49	17.42	16.93	17.84	18.28	16.91	17.84	17.34	18.25	18.69
	6H	17.09	17.90	17.55	18.34	18.80	17.54	18.35	18.00	18.79	19.25
	8H	17.29	18.04	17.75	18.49	18.95	17.80	18.55	18.26	19.00	19.46
	12H	17.43	18.10	17.91	18.58	19.05	18.02	18.70	18.51	19.17	19.65
8H	4H	16.81	17.57	17.28	18.01	18.48	17.18	17.93	17.64	18.38	18.84
	6H	17.54	18.16	18.03	18.65	19.13	17.95	18.58	18.45	19.07	19.55
	8H	17.81	18.37	18.32	18.88	19.37	18.30	18.86	18.81	19.37	19.86
	12H	18.03	18.52	18.54	19.02	19.58	18.62	19.11	19.13	19.61	20.17
12H	4H	16.85	17.52	17.33	18.00	18.47	17.20	17.87	17.68	18.35	18.82
	6H	17.60	18.16	18.12	18.67	19.16	18.00	18.56	18.51	19.07	19.56
	8H	17.93	18.43	18.44	18.92	19.49	18.41	18.90	18.92	19.39	19.96