

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: P895433

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895433
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-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with LOUVER, 90CRI, 3500K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

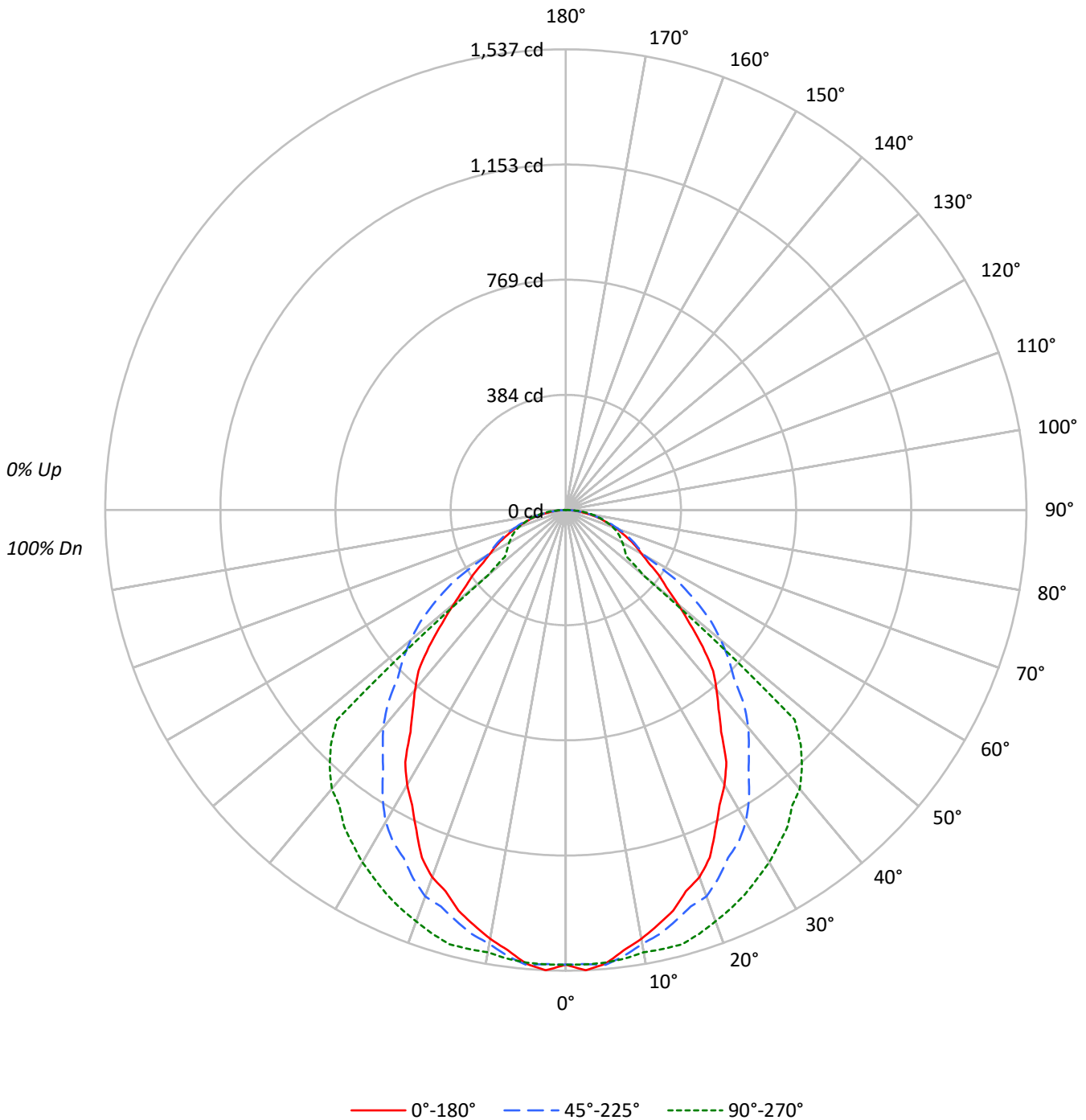
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3237.0 lumens
Efficiency: N/A
Efficacy: 96.6 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): 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°	5382	5382	5382
5°	5411	5425	5397
10°	5234	5295	5398
15°	5082	5211	5509
20°	4923	5180	5514
25°	4619	5013	5538
30°	4339	4923	5561
35°	3913	4604	5587
40°	3624	4392	5626
45°	3242	3981	5563
50°	2690	3729	1868
55°	2343	3273	1495
60°	2073	2133	1551
65°	1970	2075	1646
70°	1849	1961	1736
75°	1720	1848	1784
80°	1567	1741	1868
85°	1388	1482	2019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5563 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	4.4
10°-20°	404.7	12.5
20°-30°	595.4	18.4
30°-40°	680.9	21.0
40°-50°	644.7	19.9
50°-60°	355.2	11.0
60°-70°	228.1	7.0
70°-80°	140.8	4.3
80°-90°	43.3	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°	1144.0	35.3
0°-40°	1824.9	56.4
0°-60°	2824.9	87.3
0°-90°	3237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1517	1517	1517	1517	1517	
5°	1519	1532	1523	1523	1515	142
15°	1384	1401	1418	1493	1500	388
25°	1180	1232	1281	1364	1415	543
35°	903	981	1063	1217	1290	571
45°	646	707	793	1018	1109	494
55°	379	397	529	273	242	339
65°	235	242	247	220	196	232
75°	126	128	135	142	130	134
85°	34	34	36	42	50	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1516.9	1516.9	1516.9	1516.9	1516.9
2.5°	1537.0	1540.9	1516.1	1515.3	1517.6
5°	1519.2	1531.6	1523.1	1523.1	1515.3
7.5°	1481.2	1502.1	1499.8	1517.6	1509.1
10°	1452.6	1469.6	1469.6	1516.1	1498.3
12.5°	1418.5	1437.8	1448.7	1497.5	1499.8
15°	1383.6	1400.7	1418.5	1492.8	1499.8
17.5°	1333.3	1364.2	1386.7	1459.5	1482.0
20°	1303.8	1322.4	1372.0	1430.9	1460.3
22.5°	1255.0	1282.1	1330.2	1396.0	1439.4
25°	1179.9	1232.5	1280.6	1364.2	1414.6
27.5°	1110.1	1149.7	1248.8	1337.1	1385.2
30°	1059.0	1090.0	1201.6	1297.6	1357.3
32.5°	997.0	1047.4	1138.0	1258.9	1322.4
35°	903.3	980.8	1062.9	1217.1	1289.9
37.5°	837.5	890.9	1002.5	1173.7	1241.1
40°	782.4	831.3	948.2	1119.4	1214.7
42.5°	727.4	767.0	880.1	1079.2	1165.9
45°	646.1	707.3	793.3	1018.0	1108.6
47.5°	560.9	626.0	736.7	966.1	1035.8
50°	487.3	539.2	675.5	863.0	338.5
52.5°	423.0	471.0	610.5	312.2	255.7
55°	378.8	397.4	529.1	272.7	241.7
57.5°	326.1	356.4	443.9	259.5	229.3
60°	292.1	305.2	300.6	246.4	218.5
62.5°	264.9	274.2	272.7	233.2	206.1
65°	234.7	242.5	247.1	220.0	196.0
67.5°	204.5	211.5	218.5	203.7	182.1
70°	178.2	182.8	189.0	184.4	167.3
72.5°	151.1	156.5	160.4	164.2	148.0
75°	125.5	127.8	134.8	141.8	130.1
77.5°	102.3	104.6	109.2	117.0	110.8
80°	76.7	79.0	85.2	91.4	91.4
82.5°	54.2	55.8	59.7	68.2	72.0
85°	34.1	34.1	36.4	41.8	49.6
87.5°	13.2	13.2	15.5	18.6	24.8
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	13.80	15.28	14.16	15.59	15.91	11.60	13.08	11.96	13.40	13.71
	3H	15.32	16.65	15.70	16.98	17.34	13.93	15.26	14.31	15.59	15.95
	4H	15.92	17.16	16.32	17.51	17.89	14.88	16.12	15.28	16.47	16.85
	6H	16.37	17.52	16.79	17.89	18.28	15.66	16.81	16.08	17.18	17.57
	8H	16.52	17.61	16.94	18.00	18.40	15.98	17.07	16.40	17.46	17.86
	12H	16.61	17.66	17.04	18.04	18.47	16.22	17.27	16.66	17.65	18.08
4H	2H	14.35	15.59	14.75	15.94	16.32	12.70	13.95	13.10	14.30	14.68
	3H	16.12	17.15	16.53	17.55	17.95	15.15	16.18	15.56	16.58	16.98
	4H	16.84	17.77	17.27	18.18	18.62	16.22	17.14	16.65	17.56	18.00
	6H	17.43	18.23	17.88	18.67	19.14	17.10	17.91	17.56	18.35	18.81
	8H	17.61	18.37	18.08	18.81	19.28	17.45	18.21	17.92	18.65	19.12
	12H	17.75	18.42	18.23	18.90	19.38	17.74	18.42	18.23	18.90	19.37
8H	4H	17.15	17.90	17.61	18.34	18.81	16.60	17.36	17.07	17.80	18.27
	6H	17.86	18.48	18.36	18.97	19.45	17.64	18.26	18.14	18.75	19.23
	8H	18.12	18.68	18.63	19.19	19.68	18.08	18.65	18.60	19.16	19.64
	12H	18.33	18.83	18.84	19.32	19.89	18.47	18.97	18.98	19.46	20.02
12H	4H	17.18	17.86	17.67	18.34	18.81	16.64	17.31	17.12	17.79	18.26
	6H	17.92	18.49	18.44	19.00	19.49	17.70	18.26	18.22	18.78	19.26
	8H	18.24	18.74	18.75	19.23	19.80	18.21	18.71	18.72	19.20	19.77