

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: P895289

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2404-077-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-A-UNV-CC93-LOW-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with AISLE OPTIC, 90CRI, 3500K CCT, LOW lumen settir
Light Source: -
Ballast/Driver: -

Summary

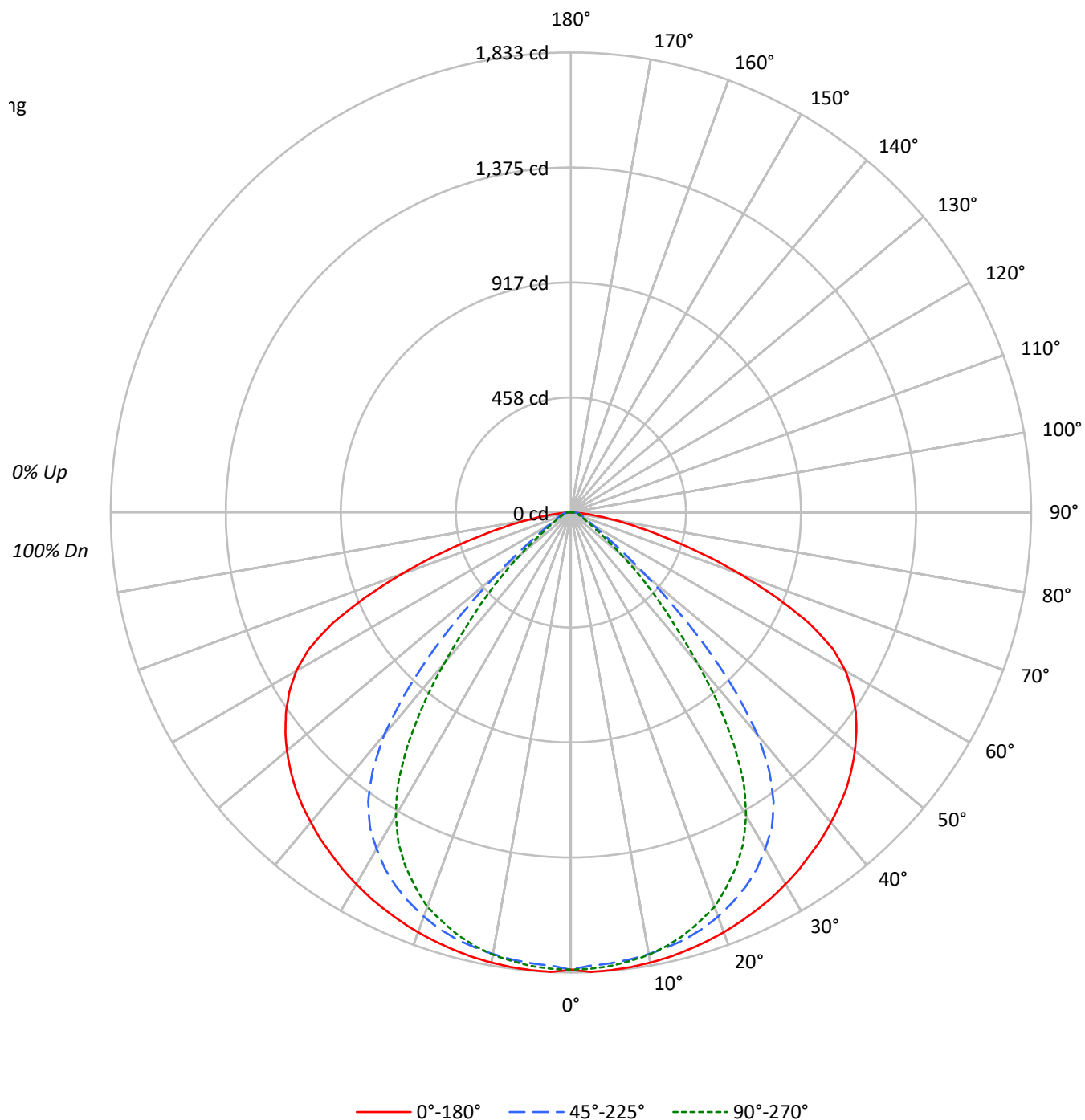
Lumens per Lamp: N/A
Luminaire Lumens: 3733.9 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.41 / 1.15 / 1.23
Luminous Opening: Rectangular (W 0.27' x L: 7.98' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	103	100	108	105	102	99	100	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	74	71		77
4	88	78	70	65	86	77	70	64	74	68	63		72	67	62		70
5	82	71	63	57	80	70	62	57	68	61	56		66	60	56		64
6	76	64	56	51	74	63	56	51	62	55	50		60	54	50		59
7	71	59	51	46	69	58	51	45	57	50	45		55	49	45		54
8	66	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46
10	59	46	39	34	57	46	39	34	45	39	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9251	9251	9251
5°	9333	9194	9248
10°	9391	9214	9228
15°	9485	9254	9159
20°	9619	9262	9035
25°	9798	9221	8730
30°	10026	9077	8181
35°	10312	8728	7034
40°	10679	7665	5199
45°	11150	5531	3497
50°	11668	3090	2087
55°	12263	1597	1142
60°	12830	1039	809
65°	12611	854	642
70°	10635	786	598
75°	7824	801	644
80°	5218	945	810
85°	2849	1527	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 62.5°

Luminance: 12939 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.0	4.6
10°-20°	499.8	13.4
20°-30°	760.3	20.4
30°-40°	868.3	23.3
40°-50°	700.5	18.8
50°-60°	383.4	10.3
60°-70°	202.2	5.4
70°-80°	99.1	2.7
80°-90°	34.9	0.9
90°-100°	7.5	0.2
100°-110°	1.0	0.0
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1433.1	38.4
0°-40°	2301.4	61.6
0°-60°	3385.3	90.7
0°-90°	3721.6	99.7
90°-120°	9.1	0.2
90°-150°	11.0	0.3
90°-180°	12.0	0.3
0°-180°	3733.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1822	1822	1822	1822	1822	
5°	1831	1825	1803	1820	1814	174
15°	1804	1793	1760	1757	1742	510
25°	1748	1723	1646	1590	1558	808
35°	1663	1593	1408	1216	1134	1043
45°	1552	1334	770	526	487	1198
55°	1385	570	180	140	129	1236
65°	1049	132	71	58	53	1015
75°	399	74	41	34	33	440
85°	49	39	26	24	21	67
90°	2	20	16	14	13	3
95°	2	2	6	9	8	1
105°	0	0	0	1	1	1
115°	0	0	0	1	0	0
125°	0	0	0	1	0	0
135°	0	0	1	1	0	0
145°	1	1	1	2	1	1
155°	1	1	2	2	2	0
165°	1	2	2	2	2	0
175°	2	2	2	2	2	0
180°	2	2	2	2	2	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1821.5	1821.5	1821.5	1821.5	1821.5
2.5°	1832.6	1827.6	1806.9	1824.5	1819.5
5°	1830.6	1825.0	1803.4	1819.5	1814.0
7.5°	1827.1	1820.0	1796.3	1810.9	1802.4
10°	1821.0	1814.0	1786.7	1798.3	1789.3
12.5°	1814.0	1804.4	1774.1	1780.2	1768.6
15°	1803.9	1792.8	1760.0	1757.0	1741.9
17.5°	1792.8	1779.2	1739.4	1726.3	1708.1
20°	1779.7	1763.0	1713.7	1688.0	1671.8
22.5°	1765.1	1743.4	1681.4	1642.1	1616.9
25°	1748.4	1723.2	1645.6	1589.7	1557.9
27.5°	1730.8	1696.5	1602.3	1528.7	1485.8
30°	1709.6	1668.3	1547.8	1448.5	1395.1
32.5°	1688.5	1633.0	1489.4	1345.2	1281.7
35°	1663.3	1593.2	1407.7	1216.2	1134.5
37.5°	1639.6	1545.3	1297.3	1054.4	966.7
40°	1610.8	1488.9	1156.2	868.4	784.2
42.5°	1583.6	1423.3	973.3	689.0	615.9
45°	1552.4	1333.6	770.1	526.2	486.9
47.5°	1516.1	1211.2	560.0	391.6	366.9
50°	1476.8	1042.8	391.1	284.3	264.1
52.5°	1433.4	815.5	263.6	197.6	186.5
55°	1385.0	570.0	180.4	139.6	129.0
57.5°	1329.1	371.0	131.0	105.3	98.3
60°	1263.1	236.9	102.3	83.7	79.6
62.5°	1176.4	166.3	84.2	69.1	65.5
65°	1049.4	131.5	71.1	57.5	53.4
67.5°	888.6	111.4	61.0	48.4	45.9
70°	716.2	96.8	52.9	41.8	40.3
72.5°	550.4	84.7	45.9	37.3	36.3
75°	398.7	74.1	40.8	34.3	32.8
77.5°	276.2	64.0	36.3	30.7	29.7
80°	178.4	55.4	32.3	28.2	27.7
82.5°	102.3	46.4	29.2	27.2	26.7
85°	48.9	38.8	26.2	23.7	21.2
87.5°	15.6	28.7	20.7	18.1	16.1
90°	2.0	20.2	16.1	14.1	13.1
92.5°	2.0	11.1	11.6	11.6	11.1
95°	1.5	2.5	5.5	8.6	8.1
97.5°	1.5	1.0	3.5	6.0	6.0
100°	1.0	0.5	1.5	4.0	4.0
102.5°	1.0	0.5	0.5	2.5	2.5
105°	0.5	0.0	0.5	1.0	1.0
107.5°	0.5	0.5	0.5	1.0	0.5
110°	0.5	0.5	0.5	1.0	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	0.5	0.5	1.0	0.5
115°	0.5	0.5	0.5	1.0	0.5
117.5°	0.5	0.5	0.5	1.0	0.5
120°	0.5	0.5	0.5	1.0	0.5
122.5°	0.5	0.5	0.5	1.0	0.5
125°	0.5	0.5	0.5	1.0	0.5
127.5°	0.5	0.5	0.5	1.0	0.5
130°	0.5	0.5	1.0	1.0	0.5
132.5°	0.5	0.5	1.0	1.0	0.5
135°	0.5	0.5	1.0	1.0	0.5
137.5°	0.5	0.5	1.0	1.0	1.0
140°	1.0	0.5	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.5	1.0
145°	1.0	1.0	1.0	1.5	1.0
147.5°	1.0	1.0	1.5	1.5	1.0
150°	1.0	1.0	1.5	1.5	1.0
152.5°	1.0	1.0	1.5	1.5	1.5
155°	1.0	1.0	1.5	2.0	1.5
157.5°	1.0	1.0	1.5	2.0	1.5
160°	1.0	1.5	2.0	2.0	1.5
162.5°	1.0	1.5	2.0	2.0	2.0
165°	1.0	1.5	2.0	2.0	2.0
167.5°	1.5	1.5	2.0	2.5	2.0
170°	1.5	1.5	2.0	2.5	2.0
172.5°	1.5	1.5	2.0	2.5	2.0
175°	1.5	1.5	2.0	2.5	2.0
177.5°	1.5	1.5	2.0	2.5	2.5
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)