

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: P895381

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2410-248-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-ASYMR-UNV-CC93-LOW-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 90CRI, 5000K CCT, LOW setting
Light Source: -
Ballast/Driver: -

Summary

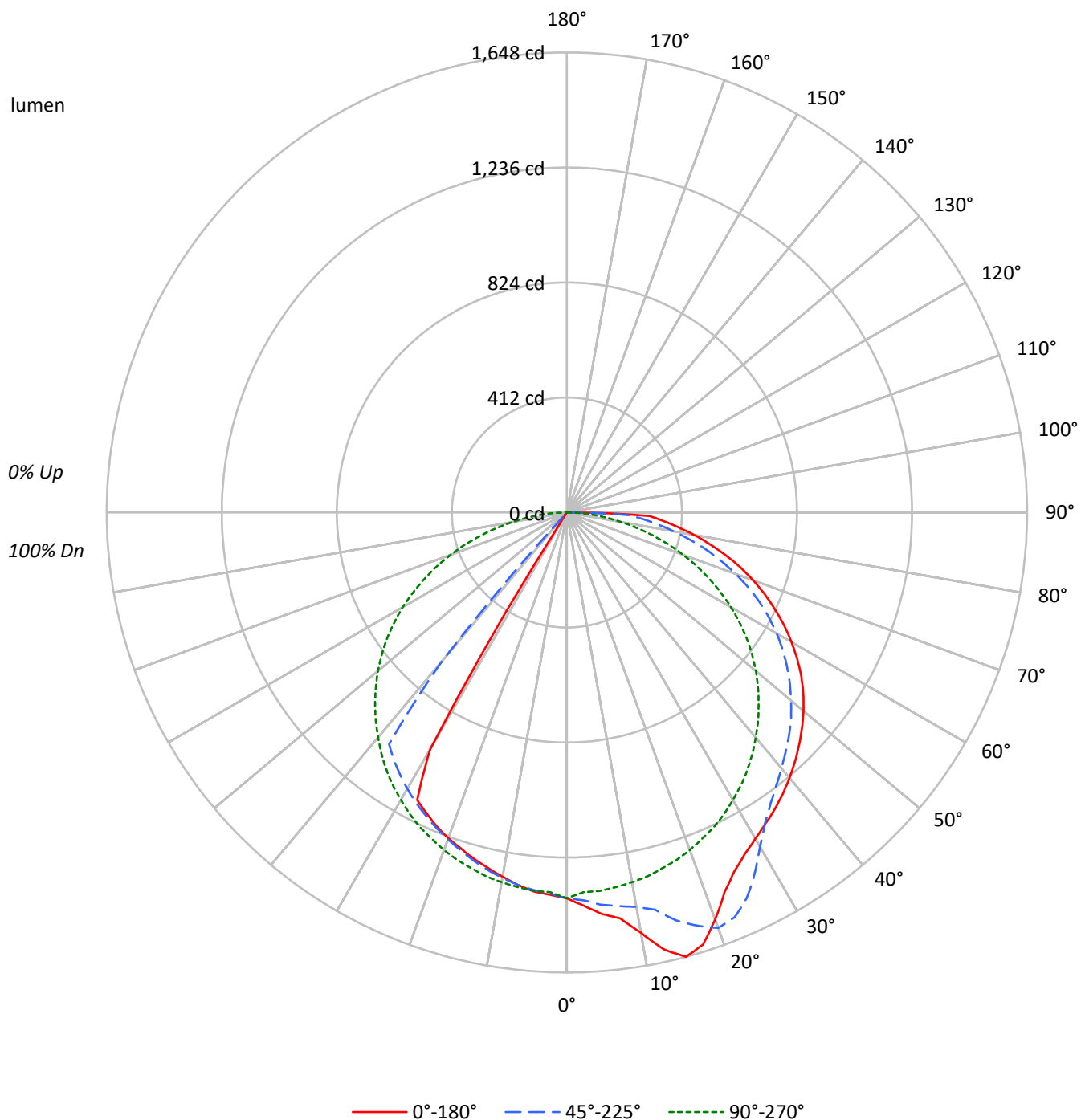
Lumens per Lamp: N/A
Luminaire Lumens: 3739.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.25
Luminous Opening: Rectangular (W 0.21' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 33.5
Input Voltage (V):
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	65	88	78	70	64	75	68	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	55	48	74	62	54	48	60	53	47		58	52	47		56	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42		53	46	41		51	45	41	39
7	66	52	44	37	64	51	43	37	50	42	37		48	42	37		47	41	36	35
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8948	8948	8948	8948	8948
5°	9384	9168	8844	8829	8859
10°	10055	9430	8842	8738	8712
15°	11047	10145	8845	8654	8612
20°	10696	10914	8869	8585	8557
25°	10134	10892	8890	8556	8494
30°	10090	10339	8889	8546	7315
35°	10261	10054	8903	8547	100
40°	10484	10103	8892	5894	67
45°	10771	10307	8894	109	43
50°	11147	10565	8898	80	16
55°	11572	10866	8874	53	9
60°	12034	11235	8795	21	10
65°	12601	11679	8634	25	25
70°	13442	12168	8363	30	30
75°	14714	12950	8001	80	40
80°	17266	14491	7410	119	60
85°	25699	20350	6939	178	119

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 87.5°

Luminance: 44061 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	3.5
10°-20°	395.4	10.6
20°-30°	607.8	16.3
30°-40°	651.4	17.4
40°-50°	591.6	15.8
50°-60°	539.6	14.4
60°-70°	401.4	10.7
70°-80°	282.6	7.6
80°-90°	136.9	3.7
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°	1135.6	30.4
0°-40°	1787.0	47.8
0°-60°	2918.1	78.0
0°-90°	3739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3739.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1382	1382	1382	1382	1382	
5°	1444	1410	1361	1358	1363	140
15°	1648	1513	1319	1291	1285	455
25°	1418	1524	1244	1198	1189	660
35°	1298	1272	1126	1081	13	813
45°	1176	1126	971	12	5	909
55°	1025	962	786	5	1	915
65°	822	762	564	2	2	814
75°	588	518	320	3	2	620
85°	346	274	93	2	2	347
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1381.9	1381.9	1381.9	1381.9	1381.9	1381.9	1381.9	1381.9	1381.9
2.5°	1410.4	1394.6	1390.6	1401.7	1361.4	1388.3	1366.1	1370.9	1370.9
5°	1443.7	1421.5	1410.4	1407.3	1360.6	1378.8	1358.2	1358.2	1362.9
7.5°	1466.6	1442.1	1422.3	1414.4	1353.4	1369.3	1345.5	1345.5	1345.5
10°	1529.2	1483.3	1434.2	1419.9	1344.7	1356.6	1328.9	1330.5	1325.0
12.5°	1602.8	1561.6	1457.1	1417.6	1335.2	1340.8	1311.5	1310.7	1304.4
15°	1647.9	1617.0	1513.3	1414.4	1319.4	1324.2	1290.9	1288.5	1284.6
17.5°	1622.6	1617.8	1552.1	1412.0	1305.2	1301.2	1268.0	1265.6	1262.4
20°	1552.1	1564.0	1583.8	1407.3	1287.0	1279.0	1245.8	1244.2	1241.8
22.5°	1473.8	1485.6	1569.5	1415.2	1264.8	1255.3	1222.1	1220.5	1217.3
25°	1418.4	1418.4	1524.4	1434.2	1244.2	1226.8	1197.5	1195.2	1188.8
27.5°	1379.6	1372.4	1457.1	1455.6	1218.1	1198.3	1171.4	1169.0	1161.1
30°	1349.5	1337.6	1382.7	1465.8	1188.8	1167.4	1142.9	1140.5	978.3
32.5°	1322.6	1309.9	1320.2	1474.5	1159.5	1134.2	1112.8	793.9	34.8
35°	1298.0	1283.8	1271.9	1468.2	1126.3	1101.0	1081.2	23.0	12.7
37.5°	1270.3	1259.3	1232.4	1435.0	1090.7	1065.3	1046.4	12.7	11.1
40°	1240.3	1230.0	1195.2	1385.9	1051.9	1030.5	697.3	11.1	7.9
42.5°	1209.4	1201.5	1160.3	1314.7	1013.1	991.7	22.2	8.7	6.3
45°	1176.2	1169.0	1125.5	1228.4	971.2	951.4	11.9	6.3	4.7
47.5°	1142.1	1131.8	1089.1	1135.8	928.4	908.6	10.3	4.7	3.2
50°	1106.5	1095.4	1048.7	1054.3	883.3	863.5	7.9	3.2	1.6
52.5°	1066.9	1053.5	1006.0	980.7	835.8	817.6	6.3	1.6	0.8
55°	1025.0	1009.9	962.5	916.5	786.0	765.4	4.7	1.6	0.8
57.5°	978.3	961.7	916.5	855.6	732.9	517.6	3.2	1.6	0.8
60°	929.2	912.6	867.5	798.6	679.1	35.6	1.6	1.6	0.8
62.5°	877.0	859.6	816.0	740.8	621.3	29.3	1.6	1.6	1.6
65°	822.4	801.8	762.2	681.5	563.5	24.5	1.6	1.6	1.6
67.5°	767.7	741.6	704.4	620.5	504.2	20.6	1.6	1.6	1.6
70°	710.0	681.5	642.7	558.8	441.7	16.6	1.6	1.6	1.6
72.5°	650.6	622.9	581.0	496.3	383.1	12.7	1.6	1.6	1.6
75°	588.1	562.7	517.6	433.7	319.8	9.5	3.2	1.6	1.6
77.5°	523.2	503.4	452.7	369.6	258.0	6.3	3.2	1.6	1.6
80°	463.0	440.9	388.6	304.7	198.7	4.7	3.2	2.4	1.6
82.5°	401.3	381.5	329.3	245.4	142.5	4.0	3.2	2.4	1.6
85°	345.9	326.9	273.9	191.5	93.4	3.2	2.4	2.4	1.6
87.5°	296.8	279.4	227.2	140.1	53.0	2.4	2.4	2.4	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)