

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: P895380

Luminaire Tested: 8TMB-SC3-ASYMR-UNV-CC93-LOW-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895380
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-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ASYMMERIC REFLECTOR, 90CRI, 4000K CCT, LOW setting
Light Source: -
Ballast/Driver: -

Summary

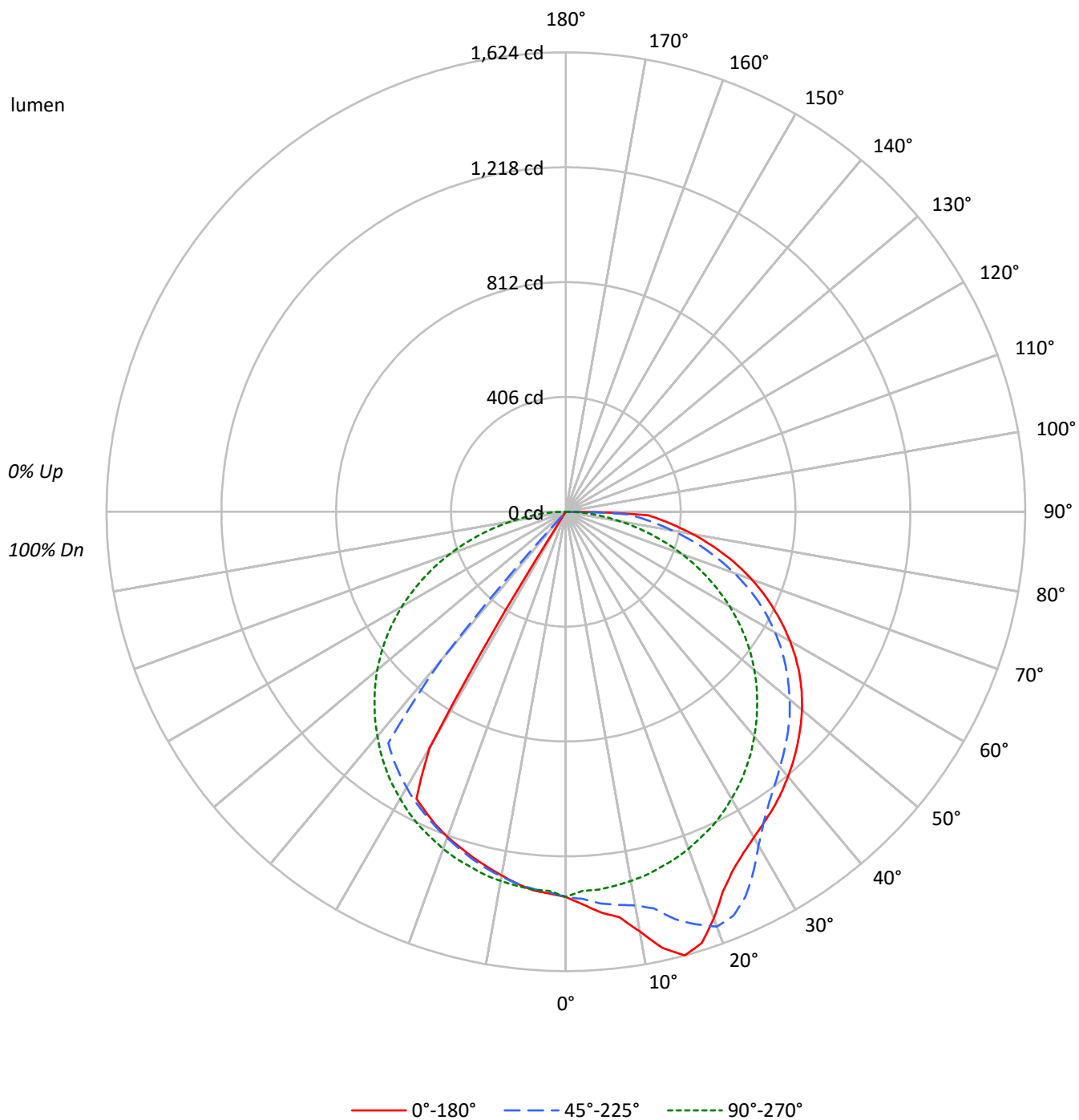
Lumens per Lamp: N/A
Luminaire Lumens: 3684.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.25
Luminous Opening: Rectangular (W 0.21' x L: 7.98' x H: 0')
CIE Type: Direct

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	50	30	10
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°	8817	8817	8817	8817	8817
5°	9246	9033	8714	8699	8729
10°	9907	9292	8712	8610	8584
15°	10884	9996	8715	8527	8485
20°	10538	10753	8738	8459	8432
25°	9985	10732	8759	8430	8369
30°	9942	10187	8758	8420	7207
35°	10111	9907	8772	8421	99
40°	10330	9954	8761	5807	66
45°	10613	10155	8763	107	43
50°	10983	10409	8767	79	16
55°	11401	10706	8743	53	9
60°	11857	11069	8665	21	10
65°	12416	11507	8508	25	25
70°	13244	11988	8240	30	30
75°	14496	12760	7884	78	40
80°	17012	14279	7298	116	60
85°	25321	20045	6835	171	119

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 87.5°

Luminance: 43408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.5	3.5
10°-20°	389.6	10.6
20°-30°	598.8	16.3
30°-40°	641.8	17.4
40°-50°	582.9	15.8
50°-60°	531.7	14.4
60°-70°	395.5	10.7
70°-80°	278.4	7.6
80°-90°	134.9	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°	1118.9	30.4
0°-40°	1760.7	47.8
0°-60°	2875.2	78.0
0°-90°	3684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3684.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1362	1362	1362	1362	1362	
5°	1422	1390	1341	1338	1343	138
15°	1624	1491	1300	1272	1266	448
25°	1398	1502	1226	1180	1171	650
35°	1279	1253	1110	1065	12	801
45°	1159	1109	957	12	5	895
55°	1010	948	774	5	1	902
65°	810	751	555	2	2	802
75°	579	510	315	3	2	611
85°	341	270	92	2	2	342
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°	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6	1361.6
2.5°	1389.7	1374.1	1370.2	1381.1	1341.3	1367.9	1346.0	1350.7	1350.7
5°	1422.4	1400.6	1389.7	1386.6	1340.6	1358.5	1338.2	1338.2	1342.9
7.5°	1445.1	1420.9	1401.4	1393.6	1333.5	1349.1	1325.7	1325.7	1325.7
10°	1506.7	1461.4	1413.1	1399.0	1325.0	1336.7	1309.4	1310.9	1305.5
12.5°	1579.2	1538.6	1435.7	1396.7	1315.6	1321.1	1292.2	1291.4	1285.2
15°	1623.6	1593.2	1491.1	1393.6	1300.0	1304.7	1271.9	1269.6	1265.7
17.5°	1598.7	1594.0	1529.3	1391.2	1286.0	1282.1	1249.3	1247.0	1243.9
20°	1529.3	1541.0	1560.5	1386.6	1268.0	1260.2	1227.5	1225.9	1223.6
22.5°	1452.1	1463.8	1546.4	1394.4	1246.2	1236.8	1204.1	1202.5	1199.4
25°	1397.5	1397.5	1502.0	1413.1	1225.9	1208.8	1179.9	1177.6	1171.3
27.5°	1359.3	1352.3	1435.7	1434.1	1200.2	1180.7	1154.2	1151.8	1144.0
30°	1329.6	1317.9	1362.4	1444.3	1171.3	1150.3	1126.1	1123.8	963.9
32.5°	1303.1	1290.6	1300.8	1452.9	1142.5	1117.5	1096.5	782.2	34.3
35°	1279.0	1264.9	1253.2	1446.6	1109.7	1084.8	1065.3	22.6	12.5
37.5°	1251.7	1240.7	1214.2	1413.9	1074.6	1049.7	1031.0	12.5	10.9
40°	1222.0	1211.9	1177.6	1365.5	1036.4	1015.4	687.0	10.9	7.8
42.5°	1191.6	1183.8	1143.3	1295.3	998.2	977.1	21.8	8.6	6.2
45°	1158.9	1151.8	1108.9	1210.3	956.9	937.4	11.7	6.2	4.7
47.5°	1125.3	1115.2	1073.1	1119.1	914.8	895.3	10.1	4.7	3.1
50°	1090.2	1079.3	1033.3	1038.8	870.3	850.8	7.8	3.1	1.6
52.5°	1051.2	1038.0	991.2	966.2	823.5	805.6	6.2	1.6	0.8
55°	1009.9	995.1	948.3	903.1	774.4	754.1	4.7	1.6	0.8
57.5°	963.9	947.5	903.1	843.0	722.1	510.0	3.1	1.6	0.8
60°	915.5	899.2	854.7	786.9	669.1	35.1	1.6	1.6	0.8
62.5°	864.1	846.9	804.0	729.9	612.2	28.9	1.6	1.6	1.6
65°	810.3	790.0	751.0	671.4	555.3	24.2	1.6	1.6	1.6
67.5°	756.5	730.7	694.1	611.4	496.8	20.3	1.6	1.6	1.6
70°	699.5	671.4	633.2	550.6	435.2	16.4	1.6	1.6	1.6
72.5°	641.0	613.7	572.4	489.0	377.4	12.5	1.6	1.6	1.6
75°	579.4	554.5	510.0	427.4	315.1	9.4	3.1	1.6	1.6
77.5°	515.5	496.0	446.1	364.2	254.2	6.2	3.1	1.6	1.6
80°	456.2	434.4	382.9	300.2	195.7	4.7	3.1	2.3	1.6
82.5°	395.4	375.9	324.4	241.8	140.4	3.9	3.1	2.3	1.6
85°	340.8	322.1	269.8	188.7	92.0	3.1	2.3	2.3	1.6
87.5°	292.4	275.3	223.8	138.0	52.2	2.3	2.3	2.3	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)