

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: P1212063

Luminaire Tested: 14MMS-WZ-RGBW_3000K

Issue Date: 11/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1212063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2506-454-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14MMS-WZ-RGBW_3000K
Description: Full color & tunable white LED 1x4 Backlit Panel with WiZ Pro smart control set at 3000K
Light Source: -
Ballast/Driver: -

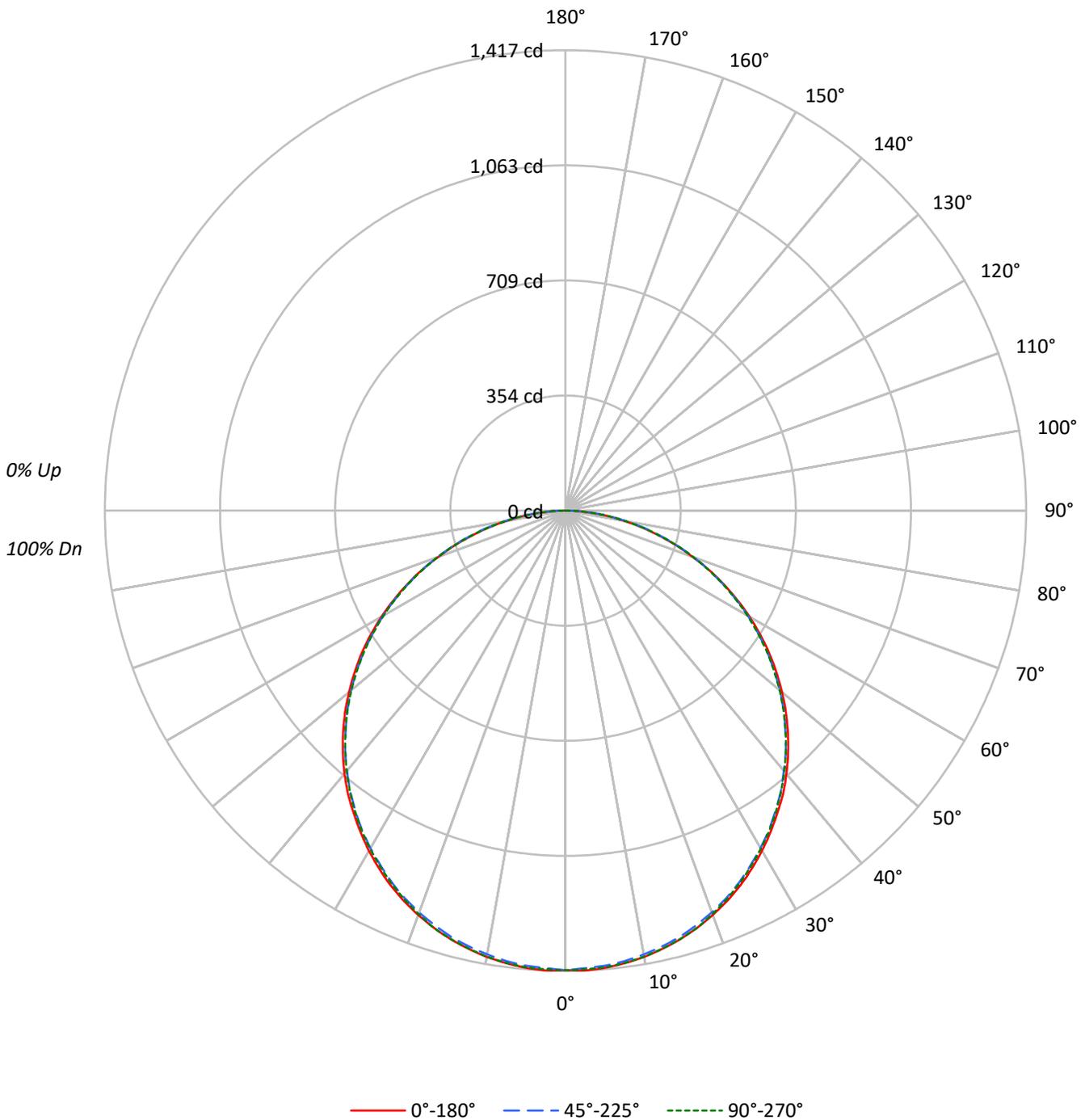
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4173.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 43.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9757
Total Harmonic Distortion (THDi): 12.3
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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	85	85	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	71	71	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	60	60	60	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	51	51	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	44	44	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	39	39	39	37
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	34	34	34	32
8	60	46	37	31	58	45	37	31	44	37	31	43	36	31	42	35	31	31	31	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	25	25	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4953	4953	4953
5°	4966	4942	4959
10°	4960	4933	4956
15°	4951	4924	4948
20°	4936	4905	4925
25°	4919	4882	4893
30°	4890	4852	4859
35°	4857	4817	4829
40°	4834	4779	4787
45°	4792	4736	4741
50°	4736	4690	4684
55°	4672	4621	4615
60°	4579	4540	4527
65°	4455	4424	4424
70°	4259	4287	4287
75°	4043	4119	4081
80°	3741	3854	3777
85°	3351	3576	3351

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4792 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	3.2
10°-20°	384.4	9.2
20°-30°	583.8	14.0
30°-40°	707.3	16.9
40°-50°	740.1	17.7
50°-60°	677.5	16.2
60°-70°	528.4	12.7
70°-80°	320.0	7.7
80°-90°	97.6	2.3
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°	1102.1	26.4
0°-40°	1809.4	43.4
0°-60°	3227.0	77.3
0°-90°	4173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1412	1411	1406	1407	1411	134
15°	1366	1363	1358	1362	1365	385
25°	1273	1270	1264	1264	1266	586
35°	1136	1134	1127	1128	1130	712
45°	968	964	956	955	957	746
55°	765	761	757	755	756	683
65°	538	534	534	533	534	531
75°	299	302	304	304	302	316
85°	83	87	89	88	83	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1414.3	1414.3	1414.3	1414.3	1414.3
2.5°	1417.1	1415.3	1409.6	1411.5	1413.4
5°	1412.5	1410.6	1405.9	1406.8	1410.6
7.5°	1405.0	1404.0	1398.4	1401.2	1404.0
10°	1394.7	1392.8	1387.2	1390.0	1393.7
12.5°	1381.5	1378.7	1374.1	1377.8	1380.6
15°	1365.6	1362.8	1358.1	1361.9	1364.7
17.5°	1346.9	1344.1	1338.5	1343.1	1346.9
20°	1324.4	1321.6	1316.0	1318.8	1321.6
22.5°	1300.1	1296.3	1291.6	1292.6	1295.4
25°	1272.9	1270.1	1263.5	1264.5	1266.3
27.5°	1242.0	1239.2	1231.7	1233.6	1234.5
30°	1209.2	1207.3	1199.8	1200.8	1201.7
32.5°	1173.6	1170.8	1165.2	1165.2	1167.1
35°	1136.1	1134.3	1126.8	1127.7	1129.6
37.5°	1099.6	1094.9	1088.4	1087.4	1089.3
40°	1057.5	1052.8	1045.3	1045.3	1047.2
42.5°	1013.4	1008.8	1003.1	1001.3	1003.1
45°	967.6	963.8	956.3	955.4	957.2
47.5°	919.8	916.0	910.4	907.6	909.5
50°	869.2	866.4	860.8	858.9	859.8
52.5°	817.7	813.9	809.3	807.4	808.3
55°	765.2	760.6	756.8	754.9	755.9
57.5°	710.0	706.2	703.4	700.6	701.5
60°	653.8	650.0	648.2	646.3	646.3
62.5°	595.7	592.0	591.0	590.1	590.1
65°	537.6	533.9	533.9	532.9	533.9
67.5°	478.6	475.8	476.8	475.8	475.8
70°	415.9	416.8	418.7	417.7	418.7
72.5°	357.8	358.7	362.5	361.5	360.6
75°	298.8	301.6	304.4	304.4	301.6
77.5°	241.7	246.3	249.1	248.2	244.5
80°	185.5	189.2	191.1	191.1	187.3
82.5°	133.0	136.7	139.6	138.6	134.9
85°	83.4	87.1	89.0	88.0	83.4
87.5°	37.5	40.3	40.3	41.2	37.5
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	17.54	19.20	17.90	19.51	19.83	17.48	19.14	17.84	19.45	19.77
	3H	19.43	20.94	19.81	21.27	21.63	19.40	20.91	19.78	21.23	21.59
	4H	20.17	21.59	20.56	21.94	22.31	20.15	21.57	20.55	21.92	22.30
	6H	20.73	22.05	21.14	22.41	22.80	20.73	22.05	21.14	22.41	22.80
	8H	20.92	22.18	21.34	22.57	22.97	20.93	22.19	21.35	22.58	22.97
	12H	21.06	22.26	21.48	22.65	23.07	21.06	22.27	21.49	22.65	23.08
4H	2H	18.20	19.62	18.59	19.96	20.34	18.15	19.57	18.55	19.92	20.29
	3H	20.32	21.52	20.73	21.92	22.31	20.30	21.50	20.71	21.89	22.29
	4H	21.19	22.28	21.63	22.69	23.13	21.19	22.28	21.62	22.69	23.12
	6H	21.90	22.85	22.35	23.29	23.74	21.91	22.86	22.36	23.30	23.75
	8H	22.14	23.03	22.60	23.48	23.94	22.16	23.05	22.62	23.49	23.96
	12H	22.33	23.13	22.81	23.61	24.07	22.35	23.15	22.83	23.63	24.09
8H	4H	21.55	22.44	22.01	22.89	23.35	21.55	22.44	22.01	22.88	23.35
	6H	22.39	23.14	22.89	23.62	24.10	22.41	23.15	22.90	23.64	24.11
	8H	22.73	23.39	23.23	23.90	24.38	22.75	23.41	23.25	23.92	24.40
	12H	23.00	23.59	23.50	24.08	24.64	23.02	23.61	23.53	24.10	24.66
12H	4H	21.60	22.40	22.08	22.88	23.35	21.60	22.40	22.08	22.87	23.34
	6H	22.47	23.14	22.98	23.65	24.13	22.48	23.15	22.99	23.66	24.14
	8H	22.87	23.46	23.37	23.95	24.51	22.89	23.48	23.39	23.97	24.53