

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: P1212064

Luminaire Tested: 14MMS-WZ-RGBW_3500K

Issue Date: 11/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1212064
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_3500K
Description: Full color & tunable white LED 1x4 Backlit Panel with WiZ Pro smart control set at 3500K
Light Source: -
Ballast/Driver: -

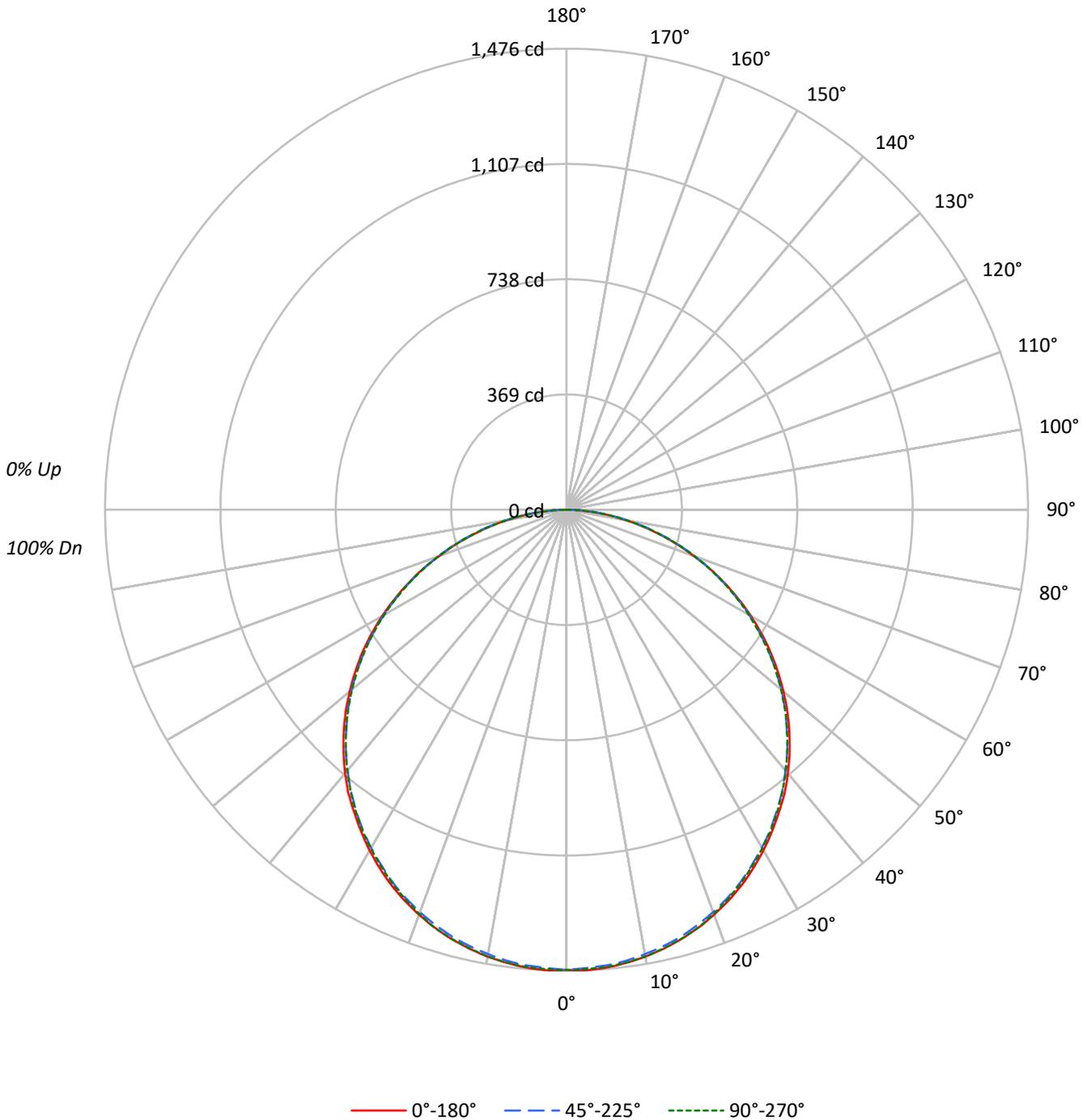
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4347.0 lumens
Efficiency: N/A
Efficacy: 99.2 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): 43.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	5160	5160	5160
5°	5173	5148	5166
10°	5166	5139	5163
15°	5158	5130	5154
20°	5142	5109	5131
25°	5124	5086	5097
30°	5094	5054	5062
35°	5060	5018	5031
40°	5036	4978	4987
45°	4992	4934	4939
50°	4933	4885	4880
55°	4867	4814	4808
60°	4770	4729	4715
65°	4641	4608	4608
70°	4436	4465	4465
75°	4211	4291	4251
80°	3896	4013	3935
85°	3488	3725	3488

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4992 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	3.2
10°-20°	400.4	9.2
20°-30°	608.1	14.0
30°-40°	736.8	16.9
40°-50°	771.0	17.7
50°-60°	705.7	16.2
60°-70°	550.4	12.7
70°-80°	333.4	7.7
80°-90°	101.6	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°	1148.1	26.4
0°-40°	1884.9	43.4
0°-60°	3361.6	77.3
0°-90°	4347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1473	1473	1473	1473	1473	
5°	1471	1469	1464	1466	1469	140
15°	1423	1420	1415	1419	1422	402
25°	1326	1323	1316	1317	1319	611
35°	1184	1182	1174	1175	1177	741
45°	1008	1004	996	995	997	777
55°	797	792	788	786	787	712
65°	560	556	556	555	556	553
75°	311	314	317	317	314	329
85°	87	91	93	92	87	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1473.3	1473.3	1473.3	1473.3	1473.3
2.5°	1476.2	1474.3	1468.4	1470.4	1472.3
5°	1471.4	1469.4	1464.5	1465.5	1469.4
7.5°	1463.5	1462.6	1456.7	1459.6	1462.6
10°	1452.8	1450.9	1445.0	1447.9	1451.8
12.5°	1439.2	1436.2	1431.3	1435.3	1438.2
15°	1422.6	1419.6	1414.8	1418.7	1421.6
17.5°	1403.1	1400.1	1394.3	1399.2	1403.1
20°	1379.6	1376.7	1370.9	1373.8	1376.7
22.5°	1354.3	1350.4	1345.5	1346.5	1349.4
25°	1326.0	1323.0	1316.2	1317.2	1319.1
27.5°	1293.8	1290.8	1283.0	1285.0	1286.0
30°	1259.6	1257.7	1249.9	1250.8	1251.8
32.5°	1222.5	1219.6	1213.8	1213.8	1215.7
35°	1183.5	1181.6	1173.8	1174.7	1176.7
37.5°	1145.5	1140.6	1133.8	1132.8	1134.7
40°	1101.6	1096.7	1088.9	1088.9	1090.8
42.5°	1055.7	1050.8	1045.0	1043.0	1045.0
45°	1007.9	1004.0	996.2	995.2	997.2
47.5°	958.1	954.2	948.4	945.5	947.4
50°	905.4	902.5	896.7	894.7	895.7
52.5°	851.8	847.9	843.0	841.1	842.0
55°	797.1	792.3	788.4	786.4	787.4
57.5°	739.6	735.7	732.7	729.8	730.8
60°	681.0	677.1	675.2	673.2	673.2
62.5°	620.5	616.6	615.7	614.7	614.7
65°	560.1	556.1	556.1	555.2	556.1
67.5°	498.6	495.7	496.6	495.7	495.7
70°	433.2	434.2	436.1	435.2	436.1
72.5°	372.7	373.7	377.6	376.6	375.6
75°	311.2	314.2	317.1	317.1	314.2
77.5°	251.7	256.6	259.5	258.6	254.7
80°	193.2	197.1	199.0	199.0	195.1
82.5°	138.5	142.5	145.4	144.4	140.5
85°	86.8	90.7	92.7	91.7	86.8
87.5°	39.0	42.0	42.0	42.9	39.0
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	17.68	19.34	18.04	19.65	19.97	17.62	19.28	17.98	19.59	19.91
	3H	19.58	21.08	19.95	21.41	21.77	19.54	21.05	19.92	21.38	21.74
	4H	20.31	21.73	20.71	22.08	22.45	20.30	21.72	20.69	22.06	22.44
	6H	20.87	22.19	21.28	22.56	22.95	20.87	22.19	21.28	22.56	22.95
	8H	21.06	22.32	21.49	22.71	23.11	21.07	22.33	21.49	22.72	23.12
	12H	21.20	22.41	21.63	22.79	23.22	21.21	22.41	21.63	22.80	23.22
4H	2H	18.34	19.76	18.73	20.11	20.48	18.29	19.71	18.69	20.06	20.43
	3H	20.46	21.66	20.87	22.06	22.46	20.44	21.64	20.85	22.04	22.44
	4H	21.34	22.42	21.77	22.83	23.27	21.33	22.42	21.77	22.83	23.27
	6H	22.04	22.99	22.49	23.43	23.88	22.05	23.00	22.50	23.44	23.90
	8H	22.29	23.18	22.74	23.62	24.08	22.30	23.19	22.76	23.64	24.10
	12H	22.47	23.27	22.95	23.75	24.22	22.49	23.29	22.97	23.77	24.24
8H	4H	21.70	22.59	22.15	23.03	23.49	21.69	22.58	22.15	23.03	23.49
	6H	22.54	23.28	23.03	23.77	24.24	22.55	23.29	23.04	23.78	24.25
	8H	22.87	23.53	23.37	24.04	24.52	22.89	23.56	23.40	24.06	24.54
	12H	23.14	23.73	23.65	24.22	24.78	23.16	23.75	23.67	24.24	24.80
12H	4H	21.74	22.55	22.22	23.02	23.49	21.74	22.54	22.22	23.02	23.49
	6H	22.61	23.28	23.12	23.79	24.27	22.63	23.29	23.13	23.80	24.28
	8H	23.01	23.60	23.52	24.09	24.65	23.03	23.62	23.54	24.11	24.67