

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: P1212067

Luminaire Tested: 14MMS-WZ-RGBW_6500K

Issue Date: 11/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1212067
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_6500K
Description: Full color & tunable white LED 1x4 Backlit Panel with WiZ Pro smart control set at 6500K
Light Source: -
Ballast/Driver: -

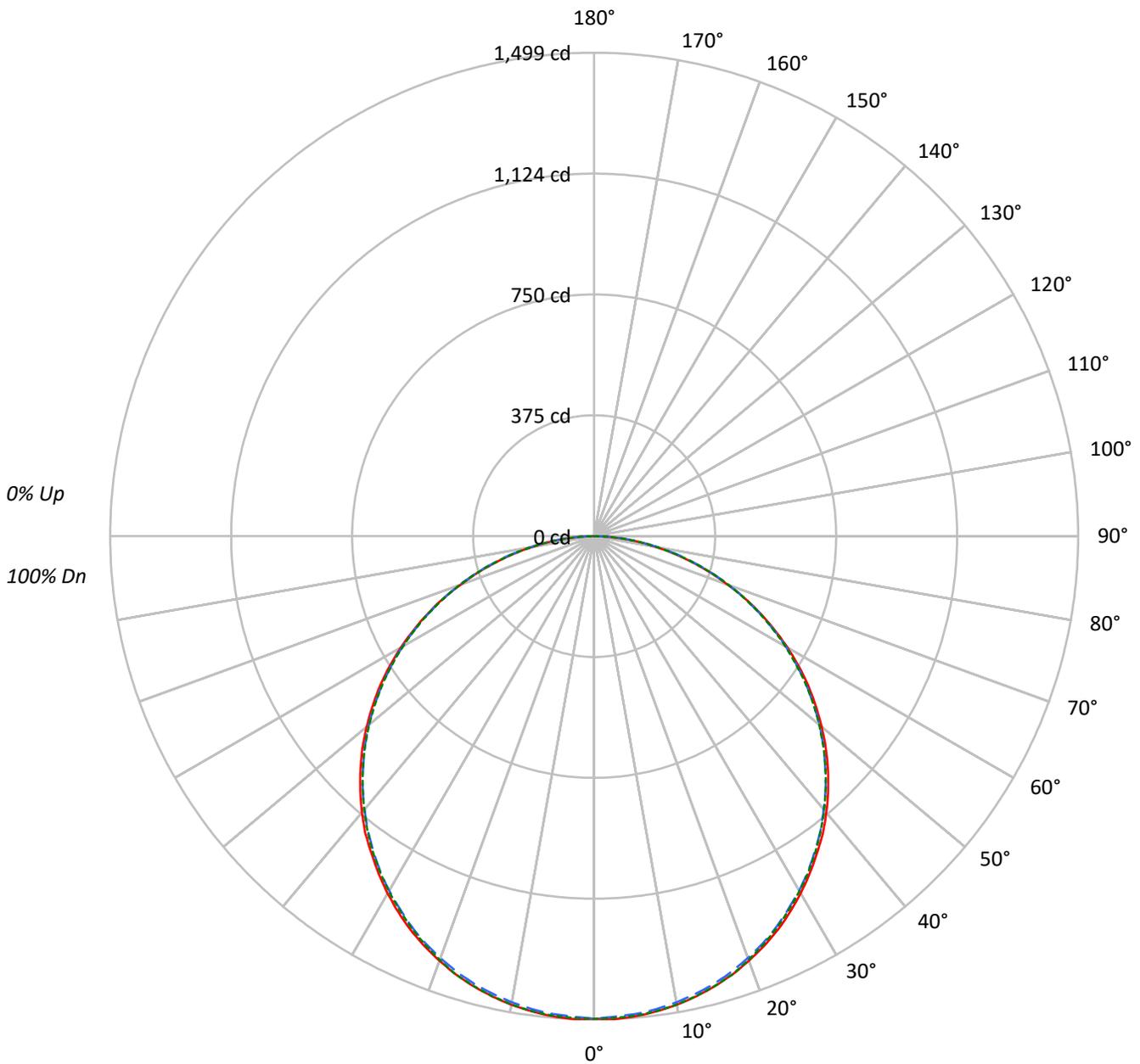
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4415.0 lumens
Efficiency: N/A
Efficacy: 100.1 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): 44.1
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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°	5240	5240	5240
5°	5253	5229	5246
10°	5247	5219	5243
15°	5238	5210	5235
20°	5222	5189	5211
25°	5204	5166	5177
30°	5173	5133	5141
35°	5139	5097	5109
40°	5115	5056	5065
45°	5070	5011	5016
50°	5010	4962	4956
55°	4943	4889	4883
60°	4845	4803	4789
65°	4713	4680	4680
70°	4505	4536	4536
75°	4277	4358	4318
80°	3957	4078	3997
85°	3544	3781	3544

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5070 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	3.2
10°-20°	406.7	9.2
20°-30°	617.6	14.0
30°-40°	748.3	16.9
40°-50°	783.0	17.7
50°-60°	716.8	16.2
60°-70°	559.0	12.7
70°-80°	338.6	7.7
80°-90°	103.2	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°	1166.0	26.4
0°-40°	1914.4	43.4
0°-60°	3414.1	77.3
0°-90°	4415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1494	1492	1487	1488	1492	142
15°	1445	1442	1437	1441	1444	408
25°	1347	1344	1337	1338	1340	620
35°	1202	1200	1192	1193	1195	753
45°	1024	1020	1012	1011	1013	789
55°	810	805	801	799	800	723
65°	569	565	565	564	565	562
75°	316	319	322	322	319	335
85°	88	92	94	93	88	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1496.4	1496.4	1496.4	1496.4	1496.4
2.5°	1499.3	1497.3	1491.4	1493.4	1495.4
5°	1494.4	1492.4	1487.4	1488.4	1492.4
7.5°	1486.4	1485.5	1479.5	1482.5	1485.5
10°	1475.5	1473.6	1467.6	1470.6	1474.5
12.5°	1461.7	1458.7	1453.7	1457.7	1460.7
15°	1444.8	1441.8	1436.9	1440.9	1443.8
17.5°	1425.0	1422.0	1416.1	1421.0	1425.0
20°	1401.2	1398.2	1392.3	1395.3	1398.2
22.5°	1375.5	1371.5	1366.5	1367.5	1370.5
25°	1346.7	1343.7	1336.8	1337.8	1339.8
27.5°	1314.0	1311.0	1303.1	1305.1	1306.1
30°	1279.3	1277.3	1269.4	1270.4	1271.4
32.5°	1241.7	1238.7	1232.8	1232.8	1234.7
35°	1202.0	1200.1	1192.1	1193.1	1195.1
37.5°	1163.4	1158.4	1151.5	1150.5	1152.5
40°	1118.8	1113.8	1105.9	1105.9	1107.9
42.5°	1072.2	1067.3	1061.3	1059.3	1061.3
45°	1023.7	1019.7	1011.8	1010.8	1012.8
47.5°	973.1	969.2	963.2	960.2	962.2
50°	919.6	916.6	910.7	908.7	909.7
52.5°	865.1	861.1	856.2	854.2	855.2
55°	809.6	804.7	800.7	798.7	799.7
57.5°	751.1	747.2	744.2	741.2	742.2
60°	691.7	687.7	685.7	683.8	683.8
62.5°	630.3	626.3	625.3	624.3	624.3
65°	568.8	564.8	564.8	563.9	564.8
67.5°	506.4	503.4	504.4	503.4	503.4
70°	440.0	441.0	443.0	442.0	443.0
72.5°	378.5	379.5	383.5	382.5	381.5
75°	316.1	319.1	322.1	322.1	319.1
77.5°	255.7	260.6	263.6	262.6	258.6
80°	196.2	200.2	202.2	202.2	198.2
82.5°	140.7	144.7	147.7	146.7	142.7
85°	88.2	92.2	94.1	93.2	88.2
87.5°	39.6	42.6	42.6	43.6	39.6
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	17.73	19.39	18.10	19.71	20.02	17.67	19.33	18.04	19.65	19.96
	3H	19.63	21.14	20.01	21.46	21.82	19.60	21.10	19.97	21.43	21.79
	4H	20.36	21.78	20.76	22.13	22.51	20.35	21.77	20.75	22.12	22.49
	6H	20.93	22.25	21.34	22.61	23.00	20.93	22.25	21.34	22.61	23.00
	8H	21.12	22.38	21.54	22.77	23.16	21.12	22.38	21.55	22.77	23.17
	12H	21.25	22.46	21.68	22.84	23.27	21.26	22.47	21.69	22.85	23.28
4H	2H	18.39	19.81	18.79	20.16	20.53	18.34	19.77	18.74	20.11	20.49
	3H	20.52	21.71	20.93	22.11	22.51	20.50	21.69	20.91	22.09	22.49
	4H	21.39	22.48	21.82	22.89	23.32	21.39	22.47	21.82	22.89	23.32
	6H	22.09	23.04	22.55	23.48	23.94	22.11	23.06	22.56	23.50	23.95
	8H	22.34	23.23	22.80	23.67	24.14	22.36	23.25	22.82	23.69	24.15
	12H	22.53	23.33	23.00	23.80	24.27	22.55	23.35	23.02	23.82	24.29
8H	4H	21.75	22.64	22.21	23.08	23.55	21.75	22.64	22.21	23.08	23.54
	6H	22.59	23.33	23.08	23.82	24.29	22.60	23.35	23.10	23.83	24.31
	8H	22.92	23.59	23.43	24.09	24.58	22.94	23.61	23.45	24.11	24.60
	12H	23.19	23.78	23.70	24.27	24.83	23.22	23.81	23.72	24.30	24.86
12H	4H	21.80	22.60	22.28	23.07	23.54	21.79	22.60	22.27	23.07	23.54
	6H	22.67	23.34	23.17	23.84	24.33	22.68	23.35	23.19	23.85	24.34
	8H	23.06	23.66	23.57	24.14	24.70	23.08	23.68	23.59	24.16	24.72