

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: P1212066

Luminaire Tested: 14MMS-WZ-RGBW_5000K

Issue Date: 11/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1212066
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_5000K
Description: Full color & tunable white LED 1x4 Backlit Panel with WiZ Pro smart control set at 5000K
Light Source: -
Ballast/Driver: -

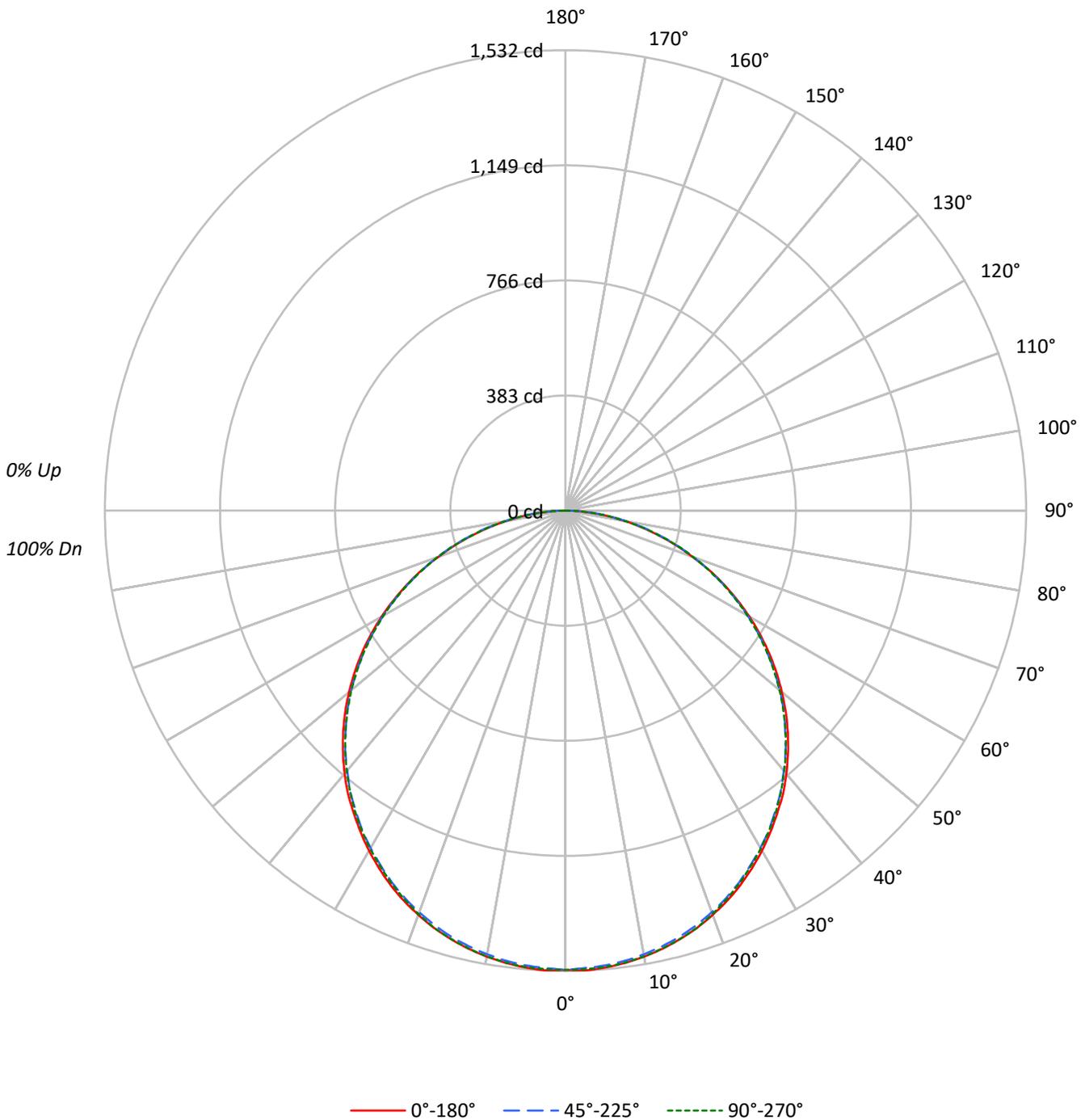
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4510.0 lumens
Efficiency: N/A
Efficacy: 102.0 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): 44.2
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°	5353	5353	5353
5°	5366	5341	5359
10°	5360	5331	5357
15°	5351	5322	5347
20°	5335	5301	5323
25°	5316	5277	5288
30°	5285	5244	5252
35°	5250	5206	5219
40°	5225	5165	5174
45°	5179	5119	5124
50°	5118	5069	5063
55°	5049	4994	4988
60°	4949	4906	4892
65°	4815	4781	4781
70°	4603	4633	4633
75°	4369	4452	4411
80°	4042	4165	4084
85°	3620	3865	3620

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5179 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.7	3.2
10°-20°	415.4	9.2
20°-30°	630.9	14.0
30°-40°	764.4	16.9
40°-50°	799.9	17.7
50°-60°	732.2	16.2
60°-70°	571.1	12.7
70°-80°	345.9	7.7
80°-90°	105.4	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°	1191.1	26.4
0°-40°	1955.6	43.4
0°-60°	3487.6	77.3
0°-90°	4510.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4510.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1526	1524	1519	1520	1524	145
15°	1476	1473	1468	1472	1475	417
25°	1376	1373	1366	1367	1369	634
35°	1228	1226	1218	1219	1221	769
45°	1046	1042	1034	1032	1035	806
55°	827	822	818	816	817	738
65°	581	577	577	576	577	574
75°	323	326	329	329	326	342
85°	90	94	96	95	90	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1528.5	1528.5	1528.5	1528.5	1528.5
2.5°	1531.6	1529.6	1523.5	1525.5	1527.5
5°	1526.5	1524.5	1519.4	1520.5	1524.5
7.5°	1518.4	1517.4	1511.3	1514.4	1517.4
10°	1507.3	1505.3	1499.2	1502.2	1506.3
12.5°	1493.1	1490.1	1485.0	1489.1	1492.1
15°	1475.9	1472.9	1467.8	1471.9	1474.9
17.5°	1455.7	1452.6	1446.6	1451.6	1455.7
20°	1431.4	1428.3	1422.3	1425.3	1428.3
22.5°	1405.1	1401.0	1395.9	1397.0	1400.0
25°	1375.7	1372.7	1365.6	1366.6	1368.6
27.5°	1342.3	1339.3	1331.2	1333.2	1334.2
30°	1306.9	1304.8	1296.7	1297.7	1298.8
32.5°	1268.4	1265.4	1259.3	1259.3	1261.3
35°	1227.9	1225.9	1217.8	1218.8	1220.8
37.5°	1188.4	1183.4	1176.3	1175.3	1177.3
40°	1142.9	1137.8	1129.7	1129.7	1131.7
42.5°	1095.3	1090.2	1084.2	1082.1	1084.2
45°	1045.7	1041.6	1033.5	1032.5	1034.6
47.5°	994.1	990.0	983.9	980.9	982.9
50°	939.4	936.4	930.3	928.3	929.3
52.5°	883.7	879.7	874.6	872.6	873.6
55°	827.0	822.0	817.9	815.9	816.9
57.5°	767.3	763.3	760.2	757.2	758.2
60°	706.6	702.5	700.5	698.5	698.5
62.5°	643.8	639.8	638.8	637.7	637.7
65°	581.1	577.0	577.0	576.0	577.0
67.5°	517.3	514.2	515.3	514.2	514.2
70°	449.5	450.5	452.5	451.5	452.5
72.5°	386.7	387.7	391.8	390.7	389.7
75°	322.9	326.0	329.0	329.0	326.0
77.5°	261.2	266.2	269.3	268.3	264.2
80°	200.4	204.5	206.5	206.5	202.5
82.5°	143.7	147.8	150.8	149.8	145.8
85°	90.1	94.1	96.2	95.2	90.1
87.5°	40.5	43.5	43.5	44.5	40.5
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	17.81	19.47	18.17	19.78	20.10	17.75	19.41	18.11	19.72	20.04
	3H	19.70	21.21	20.08	21.54	21.90	19.67	21.18	20.05	21.50	21.86
	4H	20.44	21.86	20.83	22.21	22.58	20.42	21.84	20.82	22.19	22.57
	6H	21.00	22.32	21.41	22.68	23.07	21.00	22.32	21.41	22.68	23.07
	8H	21.19	22.45	21.61	22.84	23.24	21.20	22.46	21.62	22.85	23.24
	12H	21.33	22.53	21.75	22.92	23.34	21.33	22.54	21.76	22.92	23.35
4H	2H	18.47	19.89	18.86	20.23	20.61	18.42	19.84	18.82	20.19	20.56
	3H	20.59	21.79	21.00	22.19	22.58	20.57	21.77	20.98	22.16	22.56
	4H	21.46	22.55	21.90	22.96	23.40	21.46	22.55	21.89	22.96	23.39
	6H	22.17	23.12	22.62	23.56	24.01	22.18	23.13	22.63	23.57	24.02
	8H	22.41	23.30	22.87	23.75	24.21	22.43	23.32	22.89	23.76	24.23
	12H	22.60	23.40	23.08	23.88	24.34	22.62	23.42	23.10	23.90	24.36
8H	4H	21.82	22.71	22.28	23.16	23.62	21.82	22.71	22.28	23.15	23.62
	6H	22.66	23.41	23.16	23.89	24.37	22.68	23.42	23.17	23.91	24.38
	8H	23.00	23.66	23.50	24.17	24.65	23.02	23.68	23.52	24.19	24.67
	12H	23.27	23.86	23.77	24.35	24.91	23.29	23.88	23.80	24.37	24.93
12H	4H	21.87	22.67	22.35	23.15	23.62	21.87	22.67	22.35	23.14	23.61
	6H	22.74	23.41	23.25	23.92	24.40	22.75	23.42	23.26	23.93	24.41
	8H	23.14	23.73	23.64	24.22	24.78	23.16	23.75	23.66	24.24	24.80