

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: P1212065

Luminaire Tested: 14MMS-WZ-RGBW_4000K

Issue Date: 11/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1212065
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_4000K
Description: Full color & tunable white LED 1x4 Backlit Panel with WiZ Pro smart control set at 4000K
Light Source: -
Ballast/Driver: -

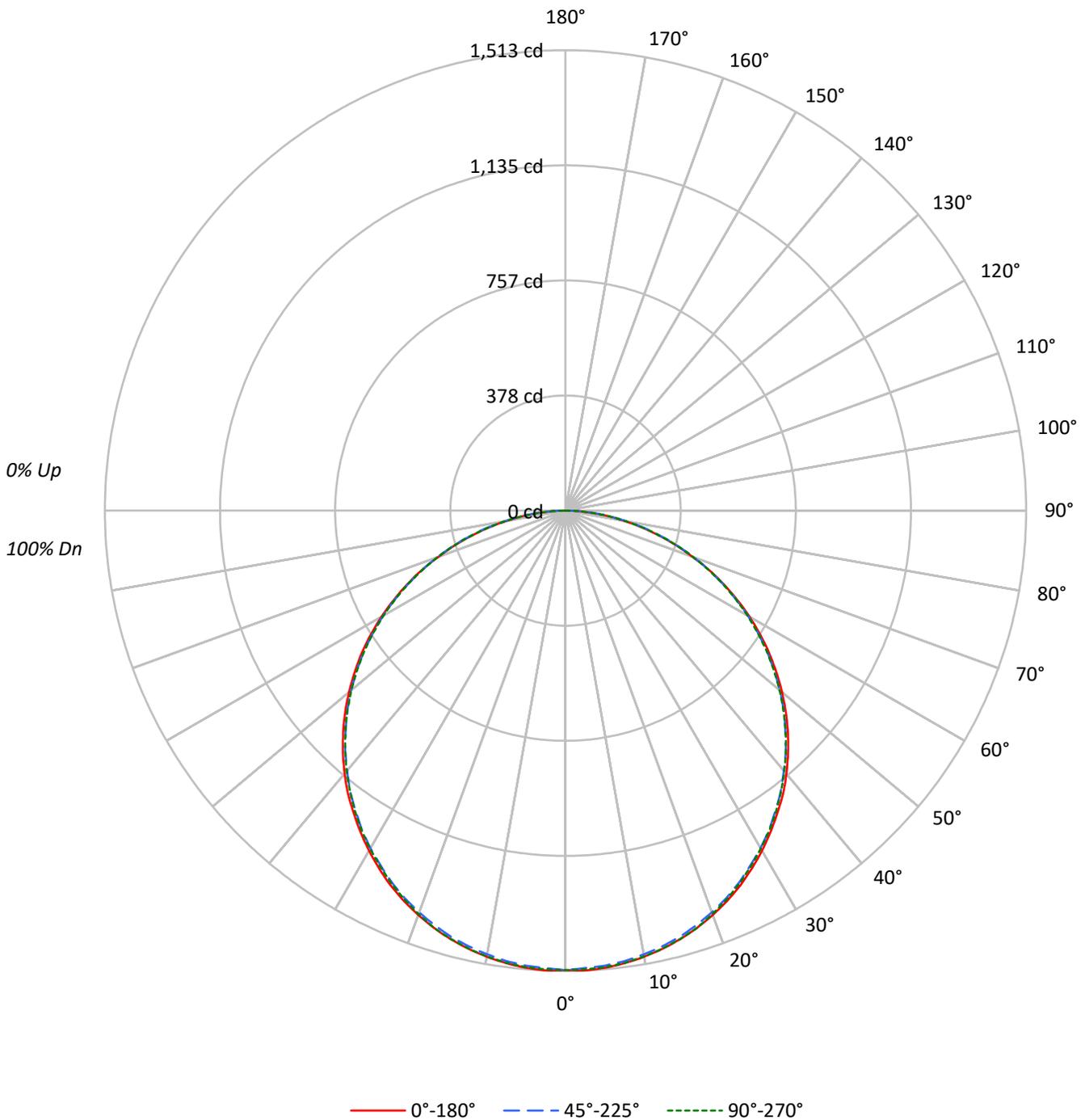
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4455.0 lumens
Efficiency: N/A
Efficacy: 101.3 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
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

TEST NUMBER: P1212065
CATALOG NUMBER: 14MMS-WZ-RGBW_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P1212065
 CATALOG NUMBER: 14MMS-WZ-RGBW_4000K

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°	5288	5288	5288
5°	5301	5276	5294
10°	5295	5266	5291
15°	5286	5257	5282
20°	5269	5236	5258
25°	5251	5212	5224
30°	5220	5180	5188
35°	5185	5143	5156
40°	5161	5101	5111
45°	5116	5056	5061
50°	5055	5006	5001
55°	4988	4933	4927
60°	4889	4847	4833
65°	4757	4723	4723
70°	4546	4577	4577
75°	4316	4398	4357
80°	3993	4114	4034
85°	3576	3817	3576

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5116 cd/sqm



TEST NUMBER: P1212065
 CATALOG NUMBER: 14MMS-WZ-RGBW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	3.2
10°-20°	410.4	9.2
20°-30°	623.2	14.0
30°-40°	755.1	16.9
40°-50°	790.1	17.7
50°-60°	723.3	16.2
60°-70°	564.1	12.7
70°-80°	341.7	7.7
80°-90°	104.2	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°	1176.6	26.4
0°-40°	1931.7	43.4
0°-60°	3445.0	77.3
0°-90°	4455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1510	1510	1510	1510	1510	
5°	1508	1506	1501	1502	1506	143
15°	1458	1455	1450	1454	1457	412
25°	1359	1356	1349	1350	1352	626
35°	1213	1211	1203	1204	1206	760
45°	1033	1029	1021	1020	1022	797
55°	817	812	808	806	807	729
65°	574	570	570	569	570	567
75°	319	322	325	325	322	338
85°	89	93	95	94	89	101
90°	0	0	0	0	0	



TEST NUMBER: P1212065
 CATALOG NUMBER: 14MMS-WZ-RGBW_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1509.9	1509.9	1509.9	1509.9	1509.9
2.5°	1512.9	1510.9	1504.9	1506.9	1508.9
5°	1507.9	1505.9	1500.9	1501.9	1505.9
7.5°	1499.9	1498.9	1492.9	1495.9	1498.9
10°	1488.9	1486.9	1480.9	1483.9	1487.9
12.5°	1474.9	1471.9	1466.9	1470.9	1473.9
15°	1457.9	1454.9	1449.9	1453.9	1456.9
17.5°	1437.9	1434.9	1428.9	1433.9	1437.9
20°	1413.9	1410.9	1404.9	1407.9	1410.9
22.5°	1387.9	1383.9	1378.9	1379.9	1382.9
25°	1358.9	1355.9	1348.9	1349.9	1351.9
27.5°	1325.9	1322.9	1314.9	1316.9	1317.9
30°	1290.9	1288.9	1280.9	1281.9	1282.9
32.5°	1252.9	1249.9	1243.9	1243.9	1245.9
35°	1212.9	1210.9	1202.9	1203.9	1205.9
37.5°	1173.9	1168.9	1161.9	1160.9	1162.9
40°	1128.9	1123.9	1115.9	1115.9	1117.9
42.5°	1081.9	1076.9	1070.9	1068.9	1070.9
45°	1032.9	1028.9	1020.9	1019.9	1021.9
47.5°	981.9	977.9	971.9	968.9	970.9
50°	927.9	924.9	918.9	916.9	917.9
52.5°	872.9	868.9	863.9	861.9	862.9
55°	817.0	812.0	808.0	806.0	807.0
57.5°	758.0	754.0	751.0	748.0	749.0
60°	698.0	694.0	692.0	690.0	690.0
62.5°	636.0	632.0	631.0	630.0	630.0
65°	574.0	570.0	570.0	569.0	570.0
67.5°	511.0	508.0	509.0	508.0	508.0
70°	444.0	445.0	447.0	446.0	447.0
72.5°	382.0	383.0	387.0	386.0	385.0
75°	319.0	322.0	325.0	325.0	322.0
77.5°	258.0	263.0	266.0	265.0	261.0
80°	198.0	202.0	204.0	204.0	200.0
82.5°	142.0	146.0	149.0	148.0	144.0
85°	89.0	93.0	95.0	94.0	89.0
87.5°	40.0	43.0	43.0	44.0	40.0
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1212065
 CATALOG NUMBER: 14MMS-WZ-RGBW_4000K

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	17.76	19.43	18.13	19.74	20.05	17.70	19.37	18.07	19.68	19.99
	3H	19.66	21.17	20.04	21.49	21.85	19.63	21.14	20.01	21.46	21.82
	4H	20.39	21.82	20.79	22.16	22.54	20.38	21.80	20.78	22.15	22.52
	6H	20.96	22.28	21.37	22.64	23.03	20.96	22.28	21.37	22.64	23.03
	8H	21.15	22.41	21.57	22.80	23.20	21.15	22.42	21.58	22.80	23.20
	12H	21.28	22.49	21.71	22.87	23.30	21.29	22.50	21.72	22.88	23.31
4H	2H	18.42	19.84	18.82	20.19	20.57	18.38	19.80	18.77	20.14	20.52
	3H	20.55	21.75	20.96	22.14	22.54	20.53	21.73	20.94	22.12	22.52
	4H	21.42	22.51	21.85	22.92	23.35	21.42	22.51	21.85	22.92	23.35
	6H	22.13	23.08	22.58	23.52	23.97	22.14	23.09	22.59	23.53	23.98
	8H	22.37	23.26	22.83	23.70	24.17	22.39	23.28	22.85	23.72	24.19
	12H	22.56	23.36	23.04	23.83	24.30	22.58	23.38	23.06	23.85	24.32
8H	4H	21.78	22.67	22.24	23.11	23.58	21.78	22.67	22.24	23.11	23.58
	6H	22.62	23.37	23.11	23.85	24.33	22.64	23.38	23.13	23.87	24.34
	8H	22.95	23.62	23.46	24.13	24.61	22.97	23.64	23.48	24.15	24.63
	12H	23.23	23.82	23.73	24.31	24.86	23.25	23.84	23.75	24.33	24.89
12H	4H	21.83	22.63	22.31	23.10	23.57	21.83	22.63	22.31	23.10	23.57
	6H	22.70	23.37	23.21	23.87	24.36	22.71	23.38	23.22	23.88	24.37
	8H	23.10	23.69	23.60	24.18	24.74	23.12	23.71	23.62	24.20	24.75