

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: P1212062

Luminaire Tested: 14MMS-WZ-RGBW_2700K

Issue Date: 11/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1212062
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_2700K
Description: Full color & tunable white LED 1x4 Backlit Panel with WiZ Pro smart control set at 2700K
Light Source: -
Ballast/Driver: -

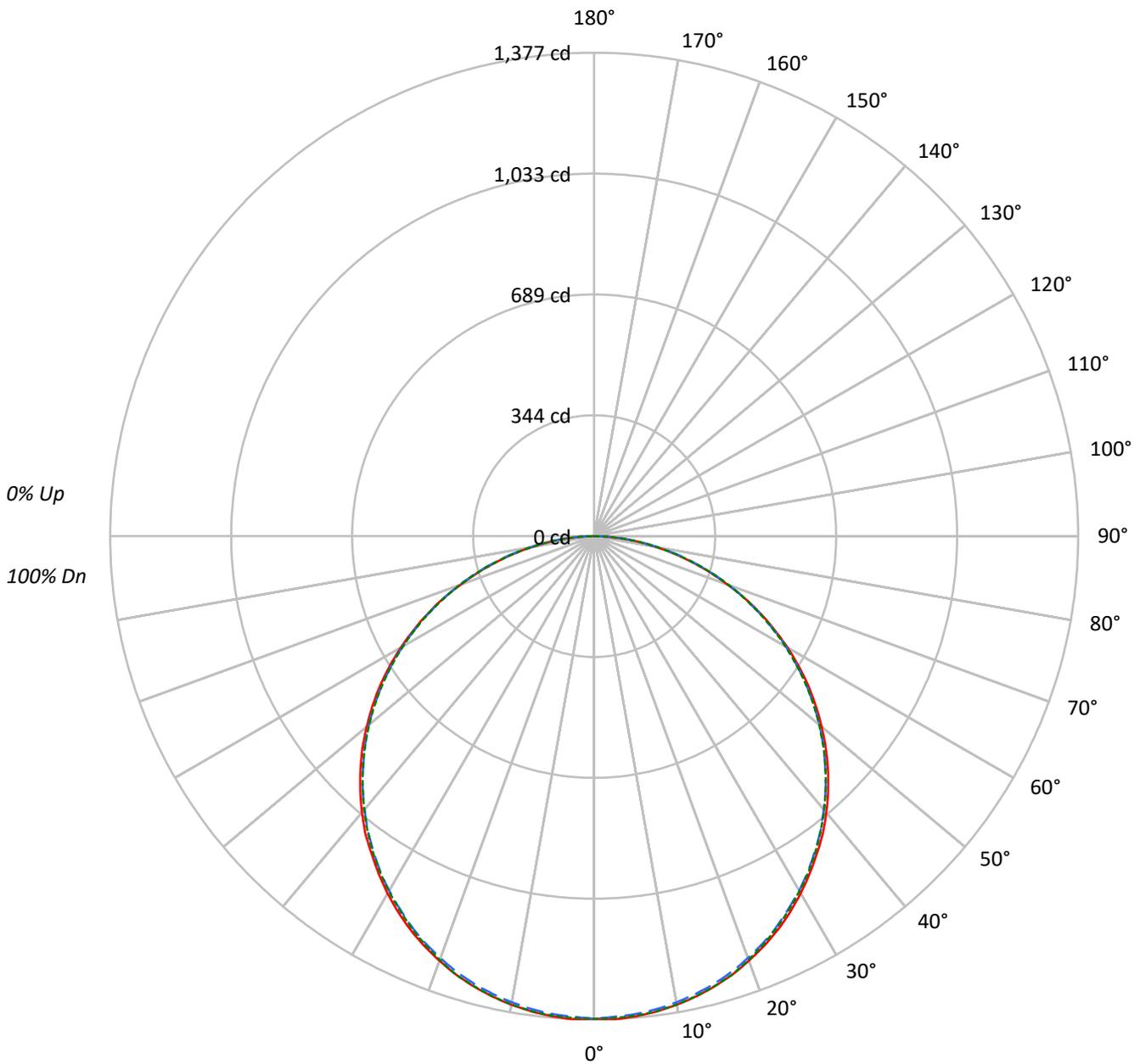
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4056.0 lumens
Efficiency: N/A
Efficacy: 93.9 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): 43.2
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	85	83	
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	71	69	
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	60	57	
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	51	49	
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	44	42	
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	39	37	
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	34	32	
8	60	46	37	31	58	45	37	31	44	37	31	43	36	31	42	35	31	31	29	
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	28	26	
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	25	23	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4814	4814	4814
5°	4826	4804	4820
10°	4821	4795	4817
15°	4812	4786	4809
20°	4798	4767	4787
25°	4781	4746	4756
30°	4753	4716	4723
35°	4721	4682	4694
40°	4699	4645	4653
45°	4657	4604	4608
50°	4603	4558	4553
55°	4541	4491	4486
60°	4450	4413	4400
65°	4331	4300	4300
70°	4139	4166	4166
75°	3929	4004	3966
80°	3636	3745	3673
85°	3255	3476	3255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4657 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	3.2
10°-20°	373.6	9.2
20°-30°	567.4	14.0
30°-40°	687.5	16.9
40°-50°	719.4	17.7
50°-60°	658.5	16.2
60°-70°	513.6	12.7
70°-80°	311.1	7.7
80°-90°	94.8	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°	1071.2	26.4
0°-40°	1758.7	43.4
0°-60°	3136.6	77.3
0°-90°	4056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1373	1371	1366	1367	1371	130
15°	1327	1325	1320	1324	1326	375
25°	1237	1234	1228	1229	1231	570
35°	1104	1102	1095	1096	1098	692
45°	940	937	930	929	930	725
55°	744	739	736	734	735	664
65°	523	519	519	518	519	516
75°	290	293	296	296	293	307
85°	81	85	86	86	81	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.7	1374.7	1374.7	1374.7	1374.7
2.5°	1377.4	1375.6	1370.1	1371.9	1373.8
5°	1372.9	1371.0	1366.5	1367.4	1371.0
7.5°	1365.6	1364.7	1359.2	1361.9	1364.7
10°	1355.6	1353.7	1348.3	1351.0	1354.6
12.5°	1342.8	1340.1	1335.5	1339.2	1341.9
15°	1327.3	1324.6	1320.1	1323.7	1326.4
17.5°	1309.1	1306.4	1300.9	1305.5	1309.1
20°	1287.3	1284.5	1279.1	1281.8	1284.5
22.5°	1263.6	1260.0	1255.4	1256.3	1259.1
25°	1237.2	1234.5	1228.1	1229.0	1230.8
27.5°	1207.2	1204.4	1197.2	1199.0	1199.9
30°	1175.3	1173.5	1166.2	1167.1	1168.0
32.5°	1140.7	1138.0	1132.5	1132.5	1134.3
35°	1104.3	1102.5	1095.2	1096.1	1097.9
37.5°	1068.8	1064.2	1057.9	1057.0	1058.8
40°	1027.8	1023.3	1016.0	1016.0	1017.8
42.5°	985.0	980.5	975.0	973.2	975.0
45°	940.4	936.8	929.5	928.6	930.4
47.5°	894.0	890.4	884.9	882.2	884.0
50°	844.8	842.1	836.6	834.8	835.7
52.5°	794.8	791.1	786.6	784.7	785.7
55°	743.8	739.2	735.6	733.8	734.7
57.5°	690.1	686.4	683.7	681.0	681.9
60°	635.4	631.8	630.0	628.2	628.2
62.5°	579.0	575.4	574.5	573.5	573.5
65°	522.6	518.9	518.9	518.0	518.9
67.5°	465.2	462.5	463.4	462.5	462.5
70°	404.2	405.1	406.9	406.0	406.9
72.5°	347.8	348.7	352.3	351.4	350.5
75°	290.4	293.1	295.9	295.9	293.1
77.5°	234.9	239.4	242.2	241.3	237.6
80°	180.3	183.9	185.7	185.7	182.1
82.5°	129.3	132.9	135.6	134.7	131.1
85°	81.0	84.7	86.5	85.6	81.0
87.5°	36.4	39.1	39.1	40.1	36.4
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	17.44	19.10	17.80	19.41	19.73	17.38	19.04	17.74	19.35	19.67
	3H	19.34	20.84	19.71	21.17	21.53	19.30	20.81	19.68	21.14	21.49
	4H	20.07	21.49	20.47	21.84	22.21	20.06	21.48	20.45	21.82	22.20
	6H	20.63	21.95	21.04	22.31	22.70	20.63	21.95	21.04	22.32	22.71
	8H	20.82	22.08	21.25	22.47	22.87	20.83	22.09	21.25	22.48	22.88
	12H	20.96	22.17	21.39	22.55	22.98	20.96	22.17	21.39	22.56	22.98
4H	2H	18.10	19.52	18.49	19.86	20.24	18.05	19.47	18.45	19.82	20.19
	3H	20.22	21.42	20.63	21.82	22.22	20.20	21.40	20.61	21.80	22.19
	4H	21.10	22.18	21.53	22.59	23.03	21.09	22.18	21.52	22.59	23.03
	6H	21.80	22.75	22.25	23.19	23.64	21.81	22.76	22.26	23.20	23.66
	8H	22.04	22.94	22.50	23.38	23.84	22.06	22.95	22.52	23.39	23.86
	12H	22.23	23.03	22.71	23.51	23.98	22.25	23.05	22.73	23.53	24.00
8H	4H	21.45	22.35	21.91	22.79	23.25	21.45	22.34	21.91	22.79	23.25
	6H	22.30	23.04	22.79	23.53	24.00	22.31	23.05	22.80	23.54	24.01
	8H	22.63	23.29	23.13	23.80	24.28	22.65	23.31	23.15	23.82	24.30
	12H	22.90	23.49	23.40	23.98	24.54	22.92	23.51	23.43	24.00	24.56
12H	4H	21.50	22.30	21.98	22.78	23.25	21.50	22.30	21.98	22.78	23.24
	6H	22.37	23.04	22.88	23.55	24.03	22.39	23.05	22.89	23.56	24.04
	8H	22.77	23.36	23.27	23.85	24.41	22.79	23.38	23.29	23.87	24.43