

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: P1555033

Luminaire Tested: 24CGTS-L3C39 5000 - LOW

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-801-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/2/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTS-L3C39 5000 - LOW
Description: OPP Panel 2x4 5000 LOW

Light Source:
Ballast/Driver: -

Summary

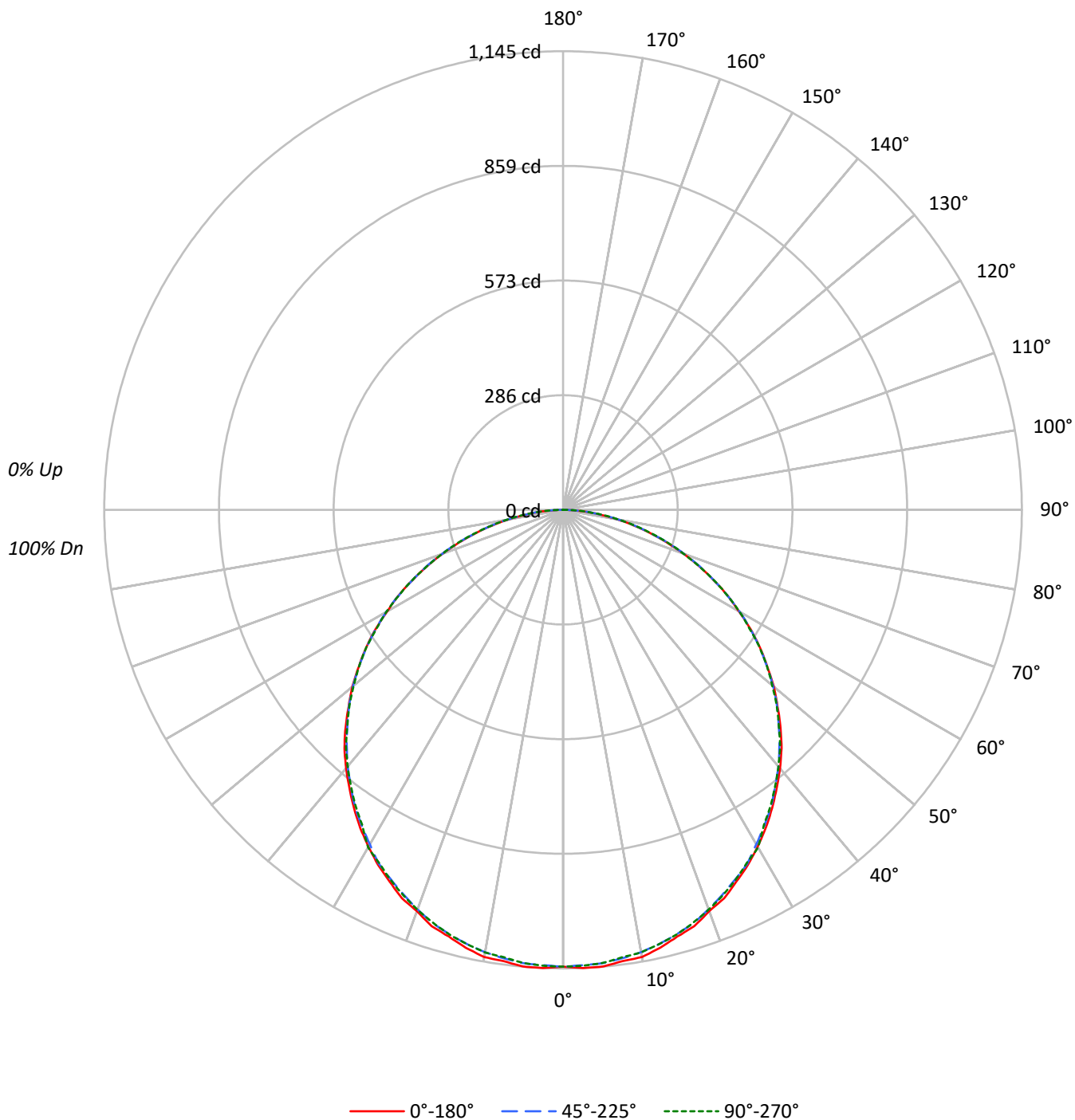
Lumens per Lamp: N/A
Luminaire Lumens: 3301.0 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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				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		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	109	104	99	95	106	101	97	94	97	94	91		93	90	88		90	87	85		83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71		69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60		58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52		49
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55	49	45		43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39		37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46	40	35		33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31		29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28		26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1535	1535	1535
5°	1546	1535	1534
10°	1549	1532	1533
15°	1536	1528	1528
20°	1527	1520	1521
25°	1520	1511	1513
30°	1509	1498	1512
35°	1494	1487	1483
40°	1479	1469	1469
45°	1461	1449	1449
50°	1437	1432	1426
55°	1408	1403	1405
60°	1363	1370	1368
65°	1318	1320	1322
70°	1257	1264	1259
75°	1176	1186	1194
80°	1062	1083	1105
85°	920	963	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.1	3.3
10°-20°	309.8	9.4
20°-30°	469.8	14.2
30°-40°	566.4	17.2
40°-50°	589.5	17.9
50°-60°	534.6	16.2
60°-70°	410.5	12.4
70°-80°	241.7	7.3
80°-90°	70.6	2.1
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°	887.7	26.9
0°-40°	1454.2	44.1
0°-60°	2578.2	78.1
0°-90°	3301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3301.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1145	1142	1136	1134	1136	109
15°	1103	1098	1097	1096	1097	312
25°	1024	1020	1018	1018	1019	472
35°	910	908	905	903	903	569
45°	768	766	761	763	761	592
55°	600	600	598	597	599	535
65°	414	414	415	414	415	410
75°	226	226	228	231	230	239
85°	60	60	62	63	62	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1140.5	1140.5	1140.5	1140.5	1140.5
2.5°	1145.2	1141.1	1137.7	1137.0	1139.1
5°	1144.6	1141.8	1136.3	1134.3	1135.7
7.5°	1136.3	1132.9	1129.5	1128.1	1126.7
10°	1133.6	1124.0	1121.3	1119.9	1121.9
12.5°	1119.9	1113.0	1110.3	1109.6	1110.3
15°	1102.8	1098.0	1096.6	1095.9	1097.3
17.5°	1089.7	1080.8	1082.2	1078.1	1080.8
20°	1066.4	1063.7	1061.6	1061.6	1062.3
22.5°	1050.0	1043.8	1039.7	1040.4	1041.8
25°	1023.9	1020.5	1017.8	1017.8	1019.1
27.5°	999.3	993.8	995.8	992.4	993.8
30°	971.2	967.1	964.3	965.0	973.2
32.5°	941.7	938.3	934.8	935.5	932.8
35°	909.5	908.1	905.4	903.3	902.6
37.5°	875.9	874.5	869.7	870.4	869.7
40°	842.3	839.6	836.1	837.5	836.1
42.5°	807.4	803.9	799.1	803.9	801.9
45°	767.6	766.2	761.4	762.8	761.4
47.5°	725.8	726.5	724.4	725.1	723.1
50°	686.7	686.1	684.0	683.3	681.3
52.5°	642.2	642.9	641.5	640.8	641.5
55°	600.4	600.4	598.3	597.0	599.0
57.5°	555.1	553.8	554.5	553.1	551.7
60°	506.5	507.2	509.2	506.5	508.5
62.5°	462.6	463.3	461.9	461.9	461.9
65°	414.0	414.0	414.6	414.0	415.3
67.5°	366.7	369.4	368.7	367.4	366.7
70°	319.4	321.4	321.4	320.8	320.1
72.5°	272.1	272.8	274.8	275.5	275.5
75°	226.2	226.2	228.2	231.0	229.6
77.5°	181.6	182.3	183.7	185.0	184.4
80°	137.1	139.1	139.8	141.2	142.6
82.5°	96.6	98.7	99.4	100.7	102.8
85°	59.6	60.3	62.4	63.1	62.4
87.5°	25.4	26.0	28.1	30.8	30.2
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	13.3	15.0	13.7	15.3	15.6	13.3	15.0	13.7	15.3	15.6
	3H	15.2	16.7	15.6	17.0	17.4	15.2	16.7	15.6	17.0	17.4
	4H	15.9	17.3	16.3	17.6	18.0	15.9	17.3	16.3	17.7	18.0
	6H	16.4	17.7	16.8	18.1	18.5	16.4	17.7	16.9	18.1	18.5
	8H	16.6	17.8	17.0	18.2	18.6	16.6	17.9	17.1	18.3	18.7
	12H	16.7	17.9	17.1	18.3	18.7	16.8	18.0	17.2	18.3	18.8
4H	2H	14.0	15.4	14.4	15.7	16.1	14.0	15.4	14.4	15.7	16.1
	3H	16.1	17.2	16.5	17.6	18.0	16.1	17.2	16.5	17.6	18.0
	4H	16.9	18.0	17.3	18.4	18.8	16.9	18.0	17.3	18.4	18.8
	6H	17.5	18.5	18.0	18.9	19.4	17.6	18.5	18.0	19.0	19.4
	8H	17.8	18.6	18.2	19.1	19.5	17.8	18.7	18.3	19.1	19.6
	12H	17.9	18.7	18.4	19.2	19.7	18.0	18.8	18.5	19.3	19.7
8H	4H	17.2	18.1	17.7	18.5	19.0	17.2	18.1	17.7	18.6	19.0
	6H	18.0	18.7	18.5	19.2	19.7	18.0	18.8	18.5	19.3	19.7
	8H	18.3	19.0	18.8	19.5	20.0	18.4	19.0	18.9	19.5	20.0
	12H	18.5	19.1	19.0	19.6	20.2	18.6	19.2	19.1	19.7	20.3
12H	4H	17.3	18.1	17.7	18.5	19.0	17.3	18.1	17.8	18.5	19.0
	6H	18.1	18.7	18.6	19.2	19.7	18.1	18.8	18.6	19.2	19.8
	8H	18.4	19.0	18.9	19.5	20.1	18.5	19.1	19.0	19.6	20.1













(END OF REPORT)