

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: P1555025

Luminaire Tested: 22CGTS-L3C39 5000 - MEDIUM

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-799-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/2/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTS-L3C39 5000 - MEDIUM
Description: OPP Panel 2x2 5000 MEDIUM

Light Source:
Ballast/Driver: -

Summary

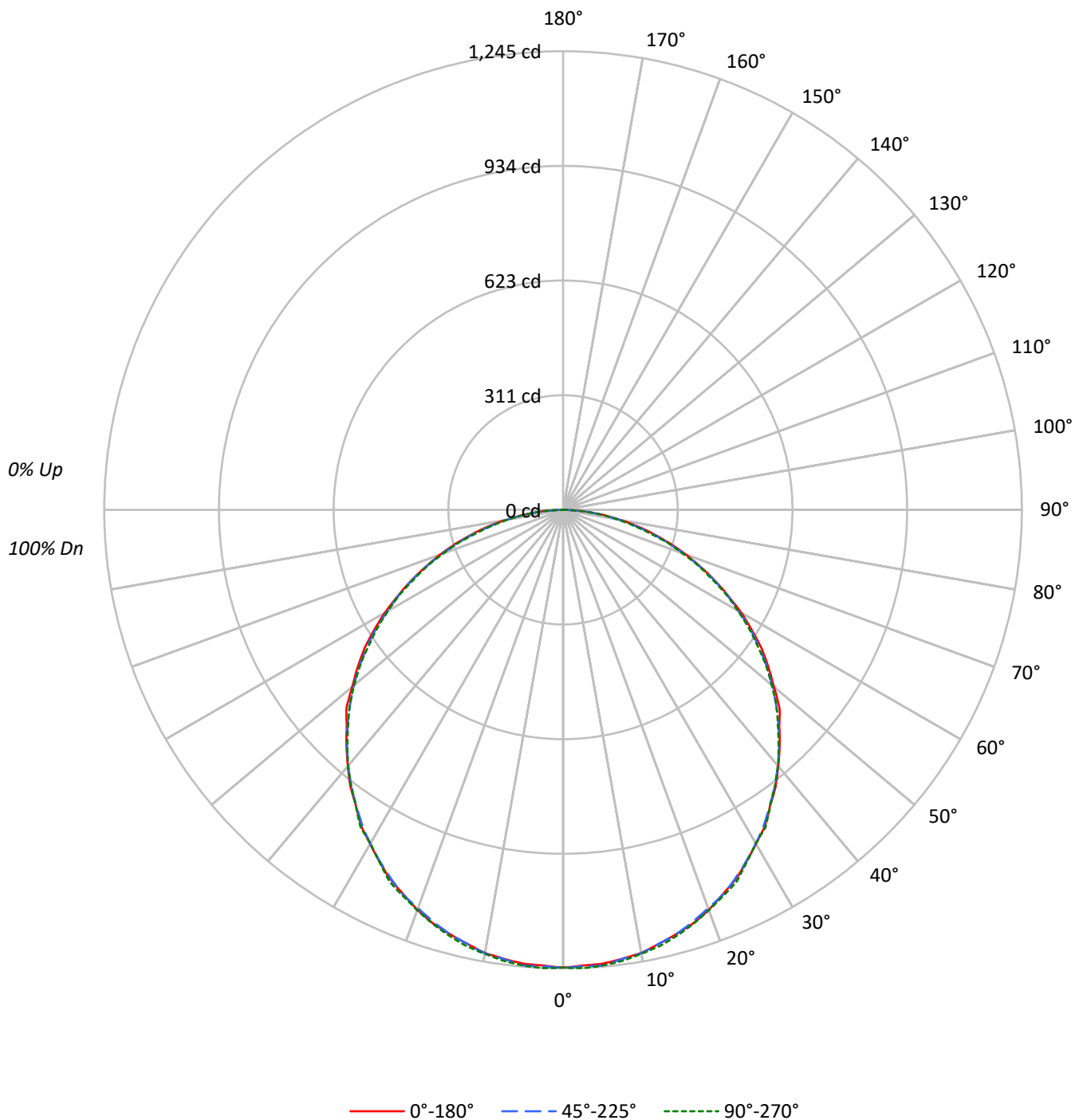
Lumens per Lamp: N/A
Luminaire Lumens: 3586.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 26.8
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			
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	63	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	37	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°	3344	3344	3344
5°	3341	3354	3354
10°	3337	3340	3344
15°	3320	3320	3334
20°	3310	3296	3313
25°	3288	3281	3308
30°	3253	3251	3248
35°	3219	3213	3222
40°	3191	3185	3188
45°	3159	3146	3137
50°	3126	3101	3094
55°	3088	3045	3021
60°	3003	2962	2948
65°	2897	2886	2843
70°	2791	2751	2710
75°	2644	2600	2520
80°	2452	2373	2306
85°	2152	2100	2022

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 3175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	3.3
10°-20°	336.8	9.4
20°-30°	510.0	14.2
30°-40°	614.5	17.1
40°-50°	639.3	17.8
50°-60°	580.7	16.2
60°-70°	446.6	12.5
70°-80°	263.6	7.3
80°-90°	76.9	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°	964.5	26.9
0°-40°	1579.0	44.0
0°-60°	2799.0	78.1
0°-90°	3586.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3586.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1237	1240	1242	1240	1242	117
15°	1192	1196	1192	1194	1197	337
25°	1107	1104	1105	1111	1114	510
35°	980	984	978	983	981	615
45°	830	834	827	829	824	642
55°	658	652	649	650	644	586
65°	455	453	453	446	446	450
75°	254	253	250	246	242	270
85°	70	69	68	66	66	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1242.7	1242.7	1242.7	1242.7	1242.7
2.5°	1238.4	1239.3	1240.1	1238.4	1245.2
5°	1236.7	1240.1	1241.8	1240.1	1241.8
7.5°	1229.1	1229.9	1229.9	1233.3	1235.0
10°	1221.4	1219.7	1222.2	1224.8	1223.9
12.5°	1206.1	1206.1	1206.1	1209.5	1212.9
15°	1191.6	1195.9	1191.6	1194.2	1196.7
17.5°	1176.3	1175.5	1172.1	1178.0	1178.0
20°	1155.9	1152.5	1150.8	1156.8	1156.8
22.5°	1130.4	1134.6	1132.1	1132.1	1134.6
25°	1107.4	1104.0	1104.9	1110.8	1114.2
27.5°	1077.7	1081.1	1076.0	1078.5	1078.5
30°	1047.0	1048.7	1046.2	1049.6	1045.3
32.5°	1019.0	1019.0	1014.7	1017.3	1022.4
35°	979.8	984.1	978.1	983.2	980.7
37.5°	947.5	948.4	944.1	948.4	944.1
40°	908.4	908.4	906.7	908.4	907.5
42.5°	870.1	870.1	867.6	869.3	865.9
45°	830.1	833.5	826.7	829.3	824.2
47.5°	797.0	789.3	784.2	786.8	785.1
50°	746.8	744.2	740.8	742.5	739.1
52.5°	702.6	696.6	695.8	694.1	694.1
55°	658.3	652.4	649.0	649.8	643.9
57.5°	608.1	603.9	602.2	599.6	597.9
60°	558.0	555.4	550.3	549.5	547.8
62.5°	505.2	505.2	502.7	501.0	500.1
65°	455.0	453.3	453.3	446.5	446.5
67.5°	403.2	403.2	401.5	395.5	398.1
70°	354.7	351.3	349.6	347.0	344.5
72.5°	305.3	301.9	297.7	296.0	296.0
75°	254.3	252.6	250.1	245.8	242.4
77.5°	207.5	203.3	199.0	196.5	193.9
80°	158.2	156.5	153.1	149.7	148.8
82.5°	114.0	112.3	109.7	106.3	107.2
85°	69.7	68.9	68.0	65.5	65.5
87.5°	30.6	29.8	28.9	27.2	28.1
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	16.1	17.7	16.4	18.0	18.4	16.0	17.7	16.4	18.0	18.3
	3H	17.9	19.4	18.3	19.8	20.1	17.8	19.3	18.2	19.7	20.0
	4H	18.7	20.1	19.1	20.4	20.8	18.5	20.0	18.9	20.3	20.7
	6H	19.2	20.5	19.6	20.9	21.3	19.1	20.4	19.5	20.7	21.1
	8H	19.4	20.7	19.8	21.1	21.5	19.2	20.5	19.7	20.9	21.3
	12H	19.5	20.7	20.0	21.1	21.6	19.4	20.6	19.8	20.9	21.4
4H	2H	16.7	18.1	17.1	18.5	18.9	16.7	18.1	17.1	18.4	18.8
	3H	18.8	20.0	19.2	20.4	20.8	18.7	19.9	19.1	20.3	20.7
	4H	19.7	20.7	20.1	21.2	21.6	19.6	20.6	20.0	21.0	21.5
	6H	20.4	21.3	20.8	21.7	22.2	20.2	21.1	20.7	21.6	22.0
	8H	20.6	21.5	21.1	21.9	22.4	20.4	21.3	20.9	21.8	22.2
	12H	20.8	21.6	21.3	22.1	22.5	20.6	21.4	21.1	21.9	22.3
8H	4H	20.0	20.9	20.5	21.3	21.8	19.9	20.8	20.4	21.2	21.7
	6H	20.8	21.6	21.3	22.0	22.5	20.7	21.4	21.2	21.9	22.4
	8H	21.1	21.8	21.7	22.3	22.8	21.0	21.6	21.5	22.1	22.6
	12H	21.4	22.0	21.9	22.5	23.0	21.2	21.8	21.7	22.3	22.9
12H	4H	20.0	20.8	20.5	21.3	21.8	19.9	20.7	20.4	21.2	21.7
	6H	20.9	21.6	21.4	22.0	22.6	20.8	21.4	21.3	21.9	22.4
	8H	21.3	21.9	21.8	22.3	22.9	21.1	21.7	21.6	22.2	22.7















(END OF REPORT)