

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: P1555020

Luminaire Tested: 22CGTS-L3C39 3500 - MEDIUM

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555020
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 3500 - MEDIUM
Description: OPP Panel 2x2 3500 MEDIUM

Light Source:
Ballast/Driver: -

Summary

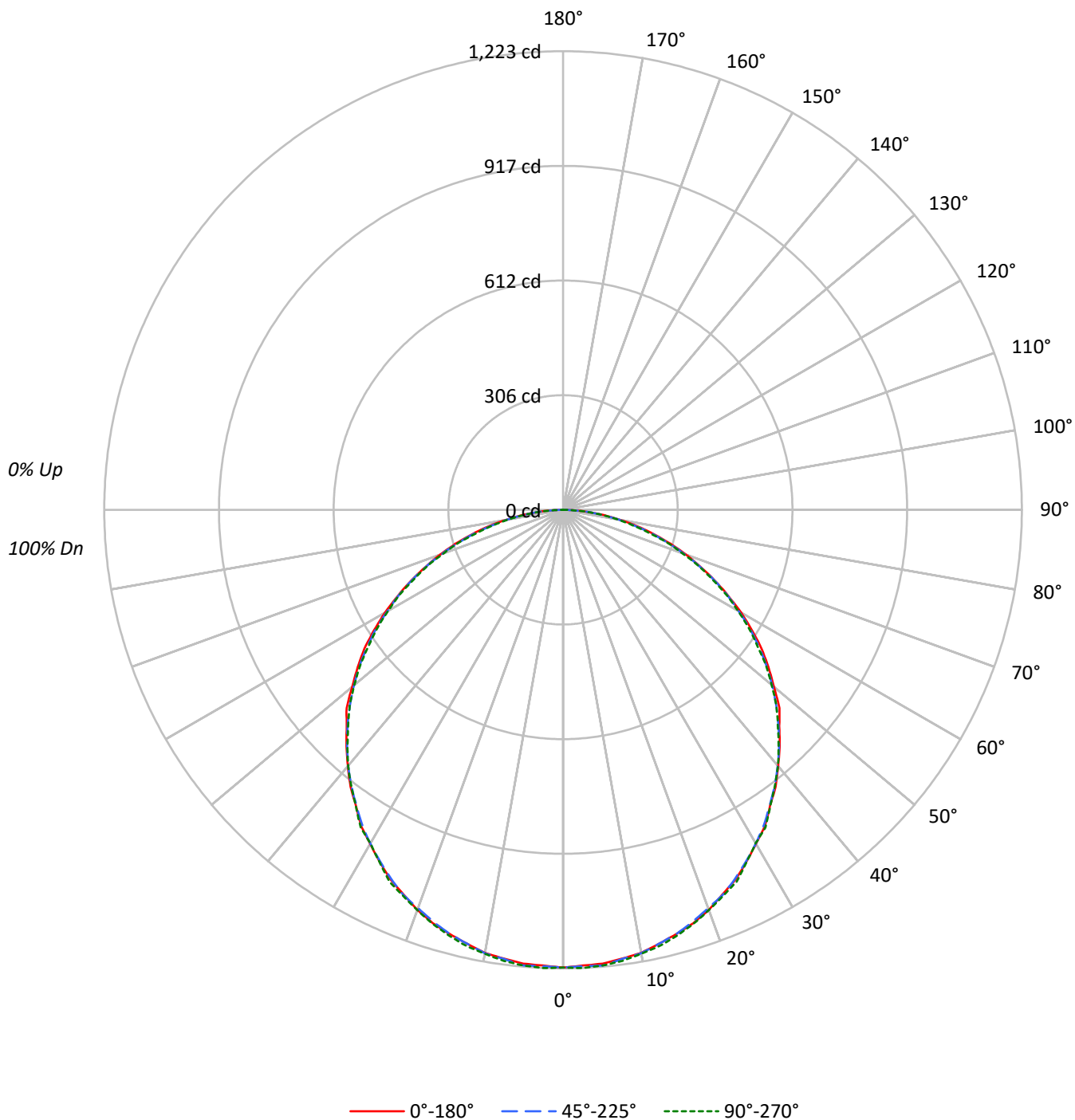
Lumens per Lamp: N/A
Luminaire Lumens: 3522.0 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 26.9
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			
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°	3284	3284	3284
5°	3281	3294	3294
10°	3278	3280	3285
15°	3261	3261	3275
20°	3251	3237	3253
25°	3230	3222	3249
30°	3195	3193	3190
35°	3162	3156	3164
40°	3134	3128	3131
45°	3103	3090	3081
50°	3071	3046	3039
55°	3034	2990	2967
60°	2949	2909	2895
65°	2846	2835	2793
70°	2741	2701	2662
75°	2597	2554	2476
80°	2408	2331	2266
85°	2115	2062	1985

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 3118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	3.3
10°-20°	330.8	9.4
20°-30°	500.9	14.2
30°-40°	603.5	17.1
40°-50°	627.9	17.8
50°-60°	570.3	16.2
60°-70°	438.6	12.5
70°-80°	258.9	7.4
80°-90°	75.5	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°	947.2	26.9
0°-40°	1550.8	44.0
0°-60°	2749.0	78.1
0°-90°	3522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1220	1220	1220	1220	1220	
5°	1215	1218	1220	1218	1220	115
15°	1170	1174	1170	1173	1175	331
25°	1088	1084	1085	1091	1094	501
35°	962	966	961	966	963	604
45°	815	819	812	814	810	631
55°	647	641	637	638	632	576
65°	447	445	445	439	439	442
75°	250	248	246	241	238	265
85°	68	68	67	64	64	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1220.5	1220.5	1220.5	1220.5	1220.5
2.5°	1216.3	1217.1	1218.0	1216.3	1223.0
5°	1214.6	1218.0	1219.6	1218.0	1219.6
7.5°	1207.1	1208.0	1208.0	1211.3	1213.0
10°	1199.6	1197.9	1200.4	1202.9	1202.1
12.5°	1184.6	1184.6	1184.6	1187.9	1191.2
15°	1170.4	1174.5	1170.4	1172.9	1175.4
17.5°	1155.3	1154.5	1151.1	1157.0	1157.0
20°	1135.3	1131.9	1130.3	1136.1	1136.1
22.5°	1110.2	1114.4	1111.9	1111.9	1114.4
25°	1087.7	1084.3	1085.2	1091.0	1094.3
27.5°	1058.4	1061.8	1056.7	1059.3	1059.3
30°	1028.3	1030.0	1027.5	1030.9	1026.7
32.5°	1000.8	1000.8	996.6	999.1	1004.1
35°	962.4	966.5	960.7	965.7	963.2
37.5°	930.6	931.4	927.3	931.4	927.3
40°	892.2	892.2	890.5	892.2	891.3
42.5°	854.6	854.6	852.1	853.8	850.4
45°	815.3	818.7	812.0	814.5	809.5
47.5°	782.7	775.2	770.2	772.7	771.1
50°	733.5	731.0	727.6	729.3	725.9
52.5°	690.0	684.2	683.3	681.7	681.7
55°	646.6	640.7	637.4	638.2	632.4
57.5°	597.3	593.1	591.4	588.9	587.3
60°	548.0	545.5	540.5	539.7	538.0
62.5°	496.2	496.2	493.7	492.0	491.2
65°	446.9	445.3	445.3	438.6	438.6
67.5°	396.0	396.0	394.3	388.4	391.0
70°	348.4	345.0	343.3	340.8	338.3
72.5°	299.9	296.6	292.4	290.7	290.7
75°	249.8	248.1	245.6	241.4	238.1
77.5°	203.8	199.7	195.5	193.0	190.5
80°	155.4	153.7	150.4	147.0	146.2
82.5°	111.9	110.3	107.8	104.4	105.3
85°	68.5	67.7	66.8	64.3	64.3
87.5°	30.1	29.2	28.4	26.7	27.6
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	16.0	17.7	16.4	18.0	18.3	15.9	17.6	16.3	17.9	18.2
	3H	17.9	19.4	18.3	19.7	20.1	17.8	19.3	18.2	19.6	20.0
	4H	18.6	20.0	19.0	20.4	20.7	18.5	19.9	18.9	20.2	20.6
	6H	19.2	20.5	19.6	20.8	21.2	19.0	20.3	19.4	20.7	21.1
	8H	19.4	20.6	19.8	21.0	21.4	19.2	20.4	19.6	20.8	21.2
	12H	19.5	20.7	19.9	21.1	21.5	19.3	20.5	19.7	20.9	21.3
4H	2H	16.7	18.1	17.1	18.4	18.8	16.6	18.0	17.0	18.4	18.7
	3H	18.7	19.9	19.2	20.3	20.7	18.7	19.9	19.1	20.3	20.7
	4H	19.6	20.7	20.0	21.1	21.5	19.5	20.6	19.9	21.0	21.4
	6H	20.3	21.2	20.8	21.7	22.1	20.1	21.1	20.6	21.5	22.0
	8H	20.5	21.4	21.0	21.9	22.3	20.4	21.2	20.8	21.7	22.2
	12H	20.7	21.5	21.2	22.0	22.5	20.5	21.3	21.0	21.8	22.3
8H	4H	19.9	20.8	20.4	21.3	21.7	19.8	20.7	20.3	21.2	21.6
	6H	20.8	21.5	21.2	22.0	22.5	20.6	21.3	21.1	21.8	22.3
	8H	21.1	21.7	21.6	22.2	22.7	20.9	21.6	21.4	22.1	22.6
	12H	21.3	21.9	21.8	22.4	23.0	21.2	21.7	21.7	22.2	22.8
12H	4H	20.0	20.8	20.5	21.2	21.7	19.9	20.7	20.4	21.1	21.6
	6H	20.8	21.5	21.4	22.0	22.5	20.7	21.4	21.2	21.8	22.4
	8H	21.2	21.8	21.7	22.3	22.8	21.0	21.6	21.5	22.1	22.7















(END OF REPORT)