

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: P1555026

Luminaire Tested: 22CGTS-L3C39 5000- HIGH

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555026
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- HIGH
Description: OPP Panel 2x2 5000 HIGH

Light Source:
Ballast/Driver: -

Summary

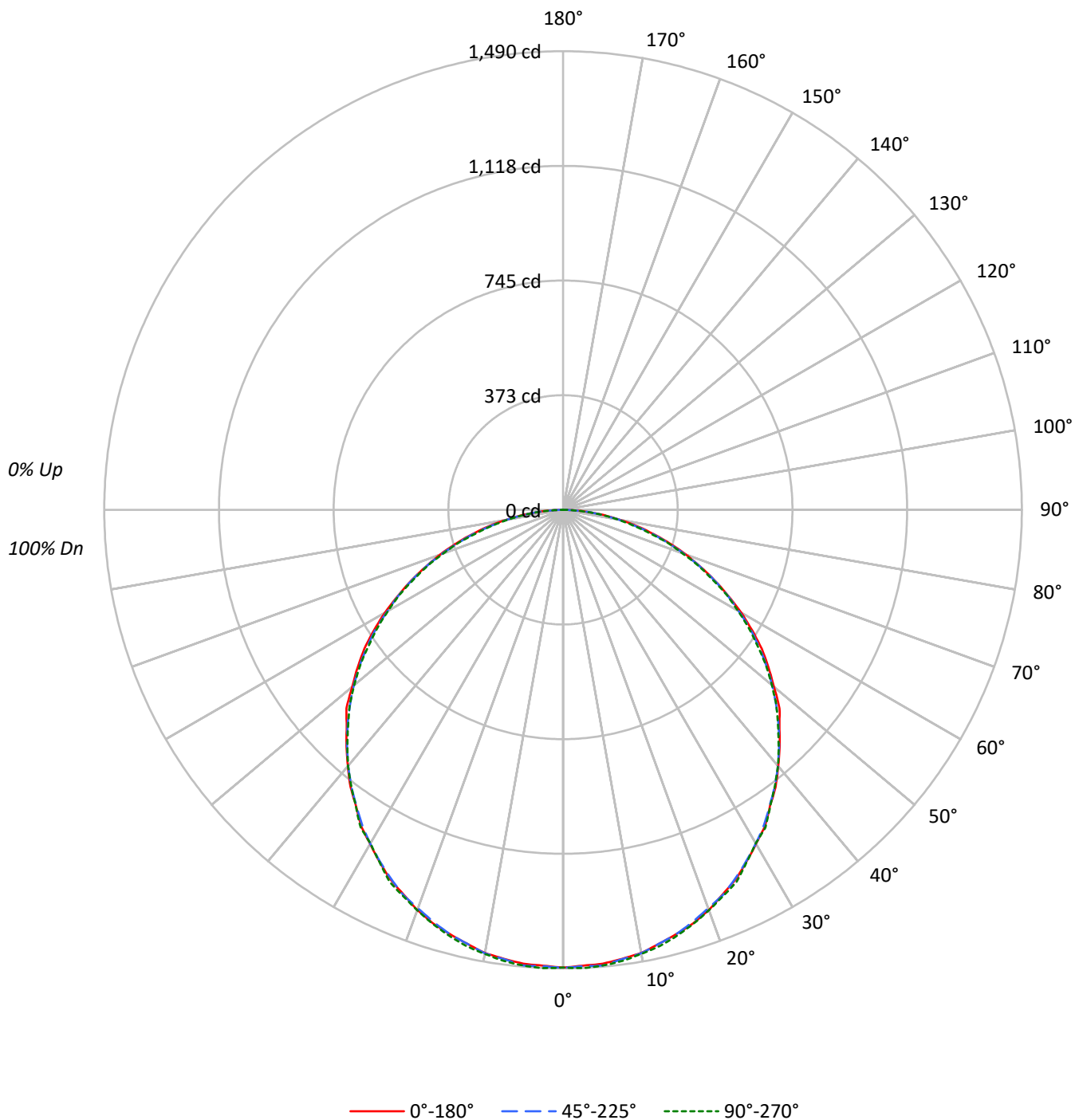
Lumens per Lamp: N/A
Luminaire Lumens: 4292.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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	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°	4002	4002	4002
5°	3998	4015	4015
10°	3995	3997	4003
15°	3973	3973	3990
20°	3962	3944	3965
25°	3935	3926	3960
30°	3894	3891	3888
35°	3852	3846	3856
40°	3819	3812	3816
45°	3781	3766	3754
50°	3742	3712	3704
55°	3696	3644	3615
60°	3594	3545	3528
65°	3468	3455	3403
70°	3340	3292	3244
75°	3165	3112	3016
80°	2934	2839	2762
85°	2578	2513	2421

MAXIMUM LUMINANCE 45°-90°:

Luminance: 3800 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	3.3
10°-20°	403.1	9.4
20°-30°	610.4	14.2
30°-40°	735.5	17.1
40°-50°	765.2	17.8
50°-60°	695.0	16.2
60°-70°	534.5	12.5
70°-80°	315.5	7.3
80°-90°	92.0	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°	1154.3	26.9
0°-40°	1889.8	44.0
0°-60°	3350.0	78.1
0°-90°	4292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4292.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1487	1487	1487	1487	1487	
5°	1480	1484	1486	1484	1486	141
15°	1426	1431	1426	1429	1432	403
25°	1325	1321	1322	1330	1334	610
35°	1173	1178	1171	1177	1174	736
45°	994	998	990	993	986	768
55°	788	781	777	778	771	702
65°	545	543	543	534	534	539
75°	304	302	299	294	290	323
85°	84	82	81	78	78	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1487.3	1487.3	1487.3	1487.3	1487.3
2.5°	1482.2	1483.2	1484.3	1482.2	1490.4
5°	1480.2	1484.3	1486.3	1484.3	1486.3
7.5°	1471.0	1472.0	1472.0	1476.1	1478.2
10°	1461.9	1459.8	1462.9	1465.9	1464.9
12.5°	1443.5	1443.5	1443.5	1447.6	1451.7
15°	1426.2	1431.3	1426.2	1429.3	1432.3
17.5°	1407.9	1406.9	1402.8	1409.9	1409.9
20°	1383.5	1379.4	1377.4	1384.5	1384.5
22.5°	1352.9	1358.0	1355.0	1355.0	1358.0
25°	1325.4	1321.4	1322.4	1329.5	1333.6
27.5°	1289.8	1293.9	1287.8	1290.8	1290.8
30°	1253.2	1255.2	1252.2	1256.2	1251.1
32.5°	1219.6	1219.6	1214.5	1217.5	1223.6
35°	1172.7	1177.8	1170.7	1176.8	1173.8
37.5°	1134.1	1135.1	1130.0	1135.1	1130.0
40°	1087.2	1087.2	1085.2	1087.2	1086.2
42.5°	1041.4	1041.4	1038.4	1040.4	1036.3
45°	993.6	997.6	989.5	992.6	986.5
47.5°	953.9	944.7	938.6	941.7	939.6
50°	893.8	890.8	886.7	888.7	884.7
52.5°	840.9	833.8	832.7	830.7	830.7
55°	787.9	780.8	776.7	777.8	770.6
57.5°	727.9	722.8	720.8	717.7	715.7
60°	667.8	664.8	658.7	657.6	655.6
62.5°	604.7	604.7	601.6	599.6	598.6
65°	544.6	542.6	542.6	534.5	534.5
67.5°	482.5	482.5	480.5	473.4	476.4
70°	424.5	420.4	418.4	415.3	412.3
72.5°	365.5	361.4	356.3	354.3	354.3
75°	304.4	302.3	299.3	294.2	290.1
77.5°	248.4	243.3	238.2	235.2	232.1
80°	189.3	187.3	183.2	179.2	178.2
82.5°	136.4	134.4	131.3	127.3	128.3
85°	83.5	82.5	81.4	78.4	78.4
87.5°	36.6	35.6	34.6	32.6	33.6
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	16.7	18.4	17.1	18.7	19.0	16.6	18.3	17.0	18.6	18.9
	3H	18.6	20.1	18.9	20.4	20.7	18.5	20.0	18.9	20.3	20.7
	4H	19.3	20.7	19.7	21.0	21.4	19.2	20.6	19.6	20.9	21.3
	6H	19.8	21.2	20.3	21.5	21.9	19.7	21.0	20.1	21.4	21.7
	8H	20.0	21.3	20.5	21.7	22.1	19.9	21.1	20.3	21.5	21.9
	12H	20.2	21.4	20.6	21.8	22.2	20.0	21.2	20.4	21.6	22.0
4H	2H	17.3	18.8	17.7	19.1	19.5	17.3	18.7	17.7	19.1	19.4
	3H	19.4	20.6	19.8	21.0	21.4	19.4	20.5	19.8	20.9	21.3
	4H	20.3	21.4	20.7	21.8	22.2	20.2	21.3	20.6	21.7	22.1
	6H	21.0	21.9	21.4	22.4	22.8	20.8	21.8	21.3	22.2	22.7
	8H	21.2	22.1	21.7	22.6	23.0	21.1	21.9	21.5	22.4	22.8
	12H	21.4	22.2	21.9	22.7	23.1	21.2	22.0	21.7	22.5	23.0
8H	4H	20.6	21.5	21.1	21.9	22.4	20.5	21.4	21.0	21.8	22.3
	6H	21.4	22.2	21.9	22.7	23.1	21.3	22.0	21.8	22.5	23.0
	8H	21.8	22.4	22.3	22.9	23.4	21.6	22.3	22.1	22.8	23.2
	12H	22.0	22.6	22.5	23.1	23.7	21.8	22.4	22.3	22.9	23.5
12H	4H	20.7	21.5	21.1	21.9	22.4	20.6	21.4	21.0	21.8	22.3
	6H	21.5	22.2	22.0	22.6	23.2	21.4	22.0	21.9	22.5	23.0
	8H	21.9	22.5	22.4	23.0	23.5	21.7	22.3	22.2	22.8	23.4













(END OF REPORT)