

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: P1555021

Luminaire Tested: 22CGTS-L3C39 4000 - HIGH

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555021
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 4000 - HIGH
Description: OPP Panel 2x2 4000 HIGH

Light Source:
Ballast/Driver: -

Summary

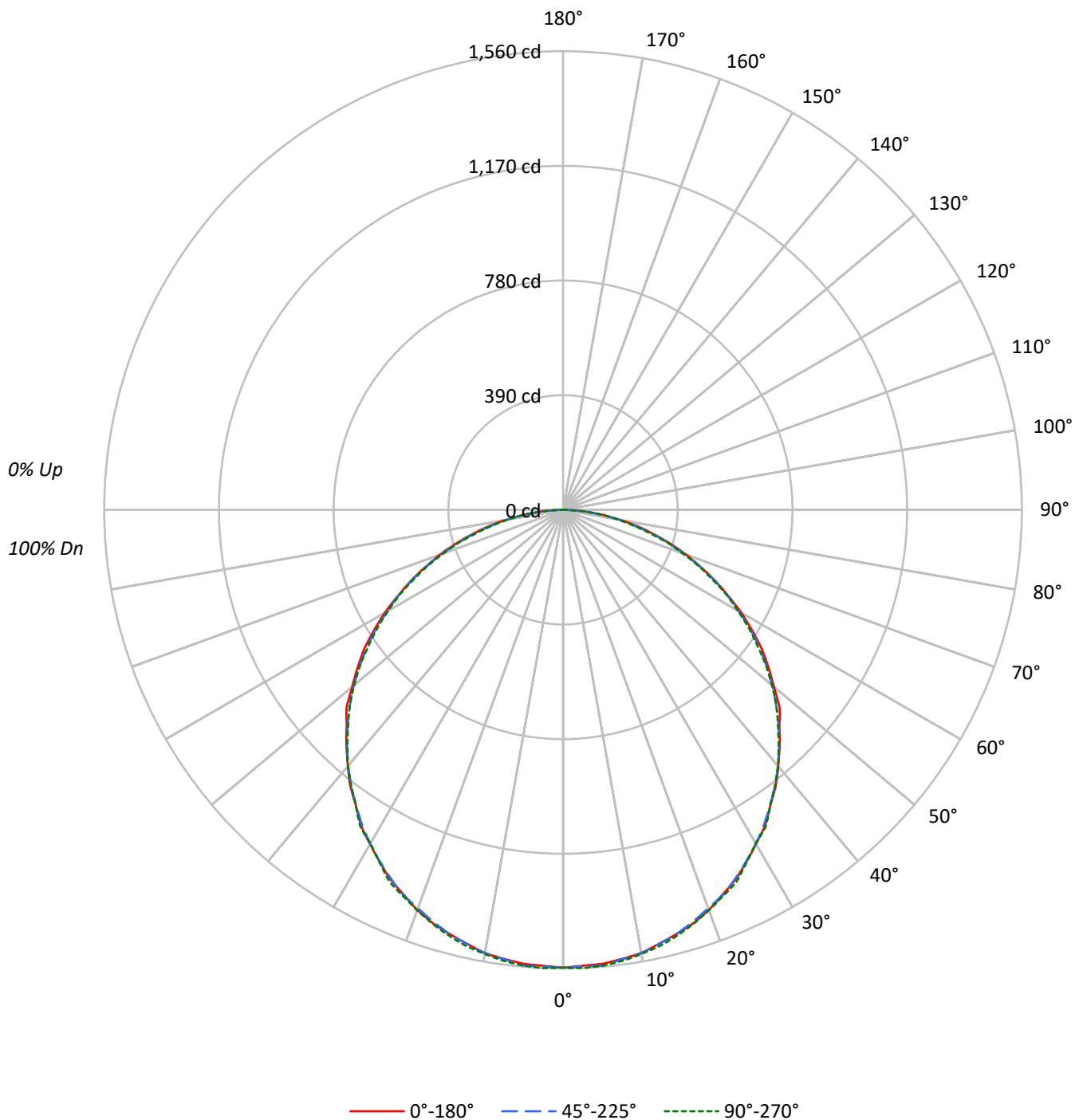
Lumens per Lamp: N/A
Luminaire Lumens: 4494.0 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.4
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	85	85	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	52	52	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	45	45	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	39	39	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	35	35	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4191	4191	4191
5°	4187	4204	4204
10°	4183	4185	4191
15°	4160	4160	4178
20°	4148	4130	4151
25°	4121	4111	4146
30°	4077	4074	4071
35°	4034	4027	4037
40°	3999	3992	3995
45°	3959	3943	3931
50°	3918	3887	3878
55°	3871	3816	3786
60°	3763	3712	3695
65°	3631	3617	3563
70°	3497	3447	3397
75°	3314	3258	3159
80°	3073	2974	2890
85°	2699	2634	2535

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 3978 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	3.3
10°-20°	422.0	9.4
20°-30°	639.1	14.2
30°-40°	770.1	17.1
40°-50°	801.2	17.8
50°-60°	727.7	16.2
60°-70°	559.7	12.5
70°-80°	330.3	7.4
80°-90°	96.4	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°	1208.7	26.9
0°-40°	1978.8	44.0
0°-60°	3507.7	78.1
0°-90°	4494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1557	1557	1557	1557	1557	
5°	1550	1554	1556	1554	1556	147
15°	1493	1499	1493	1497	1500	422
25°	1388	1384	1385	1392	1396	639
35°	1228	1233	1226	1232	1229	770
45°	1040	1045	1036	1039	1033	805
55°	825	818	813	814	807	735
65°	570	568	568	560	560	564
75°	319	317	313	308	304	338
85°	87	86	85	82	82	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1557.3	1557.3	1557.3	1557.3	1557.3
2.5°	1552.0	1553.0	1554.1	1552.0	1560.5
5°	1549.9	1554.1	1556.2	1554.1	1556.2
7.5°	1540.3	1541.3	1541.3	1545.6	1547.7
10°	1530.7	1528.5	1531.7	1534.9	1533.9
12.5°	1511.5	1511.5	1511.5	1515.7	1520.0
15°	1493.4	1498.7	1493.4	1496.6	1499.8
17.5°	1474.2	1473.1	1468.8	1476.3	1476.3
20°	1448.6	1444.3	1442.2	1449.7	1449.7
22.5°	1416.6	1421.9	1418.7	1418.7	1421.9
25°	1387.8	1383.6	1384.6	1392.1	1396.4
27.5°	1350.5	1354.8	1348.4	1351.6	1351.6
30°	1312.2	1314.3	1311.1	1315.3	1310.0
32.5°	1277.0	1277.0	1271.6	1274.8	1281.2
35°	1227.9	1233.3	1225.8	1232.2	1229.0
37.5°	1187.4	1188.5	1183.2	1188.5	1183.2
40°	1138.4	1138.4	1136.3	1138.4	1137.3
42.5°	1090.4	1090.4	1087.2	1089.4	1085.1
45°	1040.3	1044.6	1036.1	1039.3	1032.9
47.5°	998.8	989.2	982.8	986.0	983.8
50°	935.9	932.7	928.4	930.5	926.3
52.5°	880.5	873.0	871.9	869.8	869.8
55°	825.0	817.6	813.3	814.4	806.9
57.5°	762.1	756.8	754.7	751.5	749.3
60°	699.2	696.0	689.7	688.6	686.5
62.5°	633.2	633.2	630.0	627.8	626.8
65°	570.3	568.1	568.1	559.6	559.6
67.5°	505.2	505.2	503.1	495.7	498.9
70°	444.5	440.2	438.1	434.9	431.7
72.5°	382.7	378.4	373.1	370.9	370.9
75°	318.7	316.6	313.4	308.1	303.8
77.5°	260.1	254.8	249.4	246.2	243.0
80°	198.3	196.1	191.9	187.6	186.5
82.5°	142.8	140.7	137.5	133.2	134.3
85°	87.4	86.3	85.3	82.1	82.1
87.5°	38.4	37.3	36.2	34.1	35.2
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	16.9	18.5	17.2	18.8	19.1	16.8	18.4	17.2	18.8	19.1
	3H	18.7	20.2	19.1	20.5	20.9	18.6	20.1	19.0	20.5	20.8
	4H	19.4	20.9	19.8	21.2	21.6	19.3	20.7	19.7	21.1	21.5
	6H	20.0	21.3	20.4	21.7	22.1	19.8	21.2	20.3	21.5	21.9
	8H	20.2	21.5	20.6	21.8	22.2	20.0	21.3	20.4	21.7	22.1
	12H	20.3	21.5	20.8	21.9	22.3	20.1	21.3	20.6	21.7	22.1
4H	2H	17.5	18.9	17.9	19.3	19.6	17.5	18.9	17.9	19.2	19.6
	3H	19.6	20.8	20.0	21.2	21.6	19.5	20.7	19.9	21.1	21.5
	4H	20.5	21.5	20.9	21.9	22.4	20.3	21.4	20.8	21.8	22.3
	6H	21.1	22.1	21.6	22.5	23.0	21.0	21.9	21.4	22.4	22.8
	8H	21.4	22.3	21.8	22.7	23.2	21.2	22.1	21.7	22.5	23.0
	12H	21.6	22.4	22.0	22.8	23.3	21.4	22.2	21.9	22.6	23.1
8H	4H	20.8	21.7	21.2	22.1	22.6	20.7	21.6	21.1	22.0	22.5
	6H	21.6	22.3	22.1	22.8	23.3	21.5	22.2	21.9	22.7	23.2
	8H	21.9	22.6	22.4	23.1	23.6	21.8	22.4	22.3	22.9	23.4
	12H	22.2	22.8	22.7	23.3	23.8	22.0	22.6	22.5	23.1	23.6
12H	4H	20.8	21.6	21.3	22.1	22.6	20.7	21.5	21.2	22.0	22.5
	6H	21.7	22.3	22.2	22.8	23.3	21.5	22.2	22.1	22.7	23.2
	8H	22.1	22.6	22.6	23.1	23.7	21.9	22.5	22.4	23.0	23.5













(END OF REPORT)