

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: P1555031

Luminaire Tested: 24CGTS-L3C39 4000 - LOW

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555031
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 4000 - LOW
Description: OPP Panel 2x4 4000 LOW

Light Source:
Ballast/Driver: -

Summary

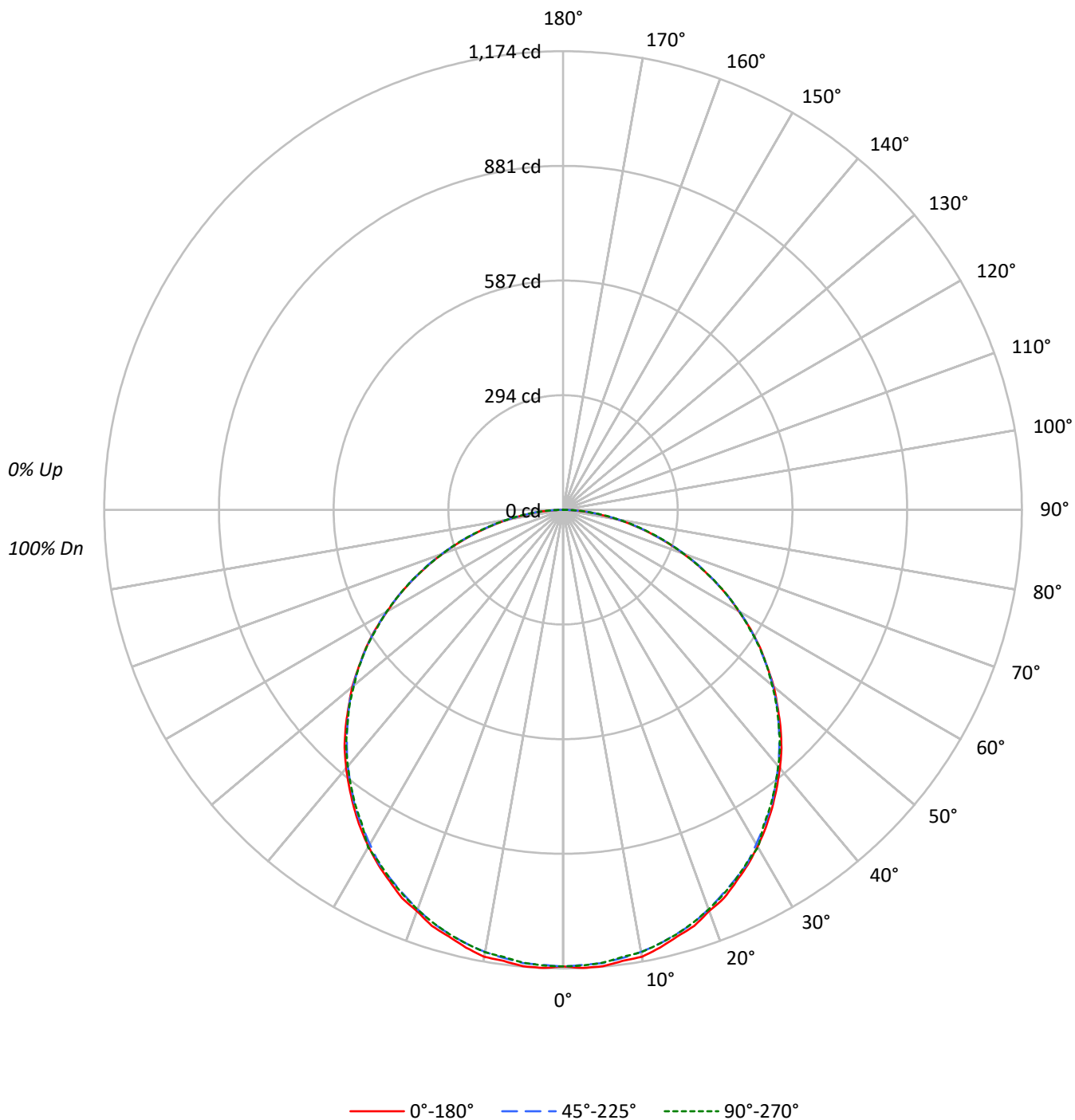
Lumens per Lamp: N/A
Luminaire Lumens: 3383.0 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.2
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	64	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	38	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°	1573	1573	1573
5°	1584	1573	1572
10°	1587	1570	1571
15°	1574	1565	1566
20°	1565	1558	1559
25°	1558	1549	1551
30°	1546	1535	1550
35°	1531	1524	1520
40°	1516	1505	1505
45°	1497	1485	1485
50°	1473	1467	1461
55°	1443	1438	1440
60°	1397	1404	1403
65°	1351	1353	1355
70°	1288	1296	1290
75°	1205	1216	1223
80°	1089	1110	1132
85°	943	986	986

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1497 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	3.3
10°-20°	317.5	9.4
20°-30°	481.5	14.2
30°-40°	580.5	17.2
40°-50°	604.1	17.9
50°-60°	547.9	16.2
60°-70°	420.7	12.4
70°-80°	247.7	7.3
80°-90°	72.3	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°	909.8	26.9
0°-40°	1490.3	44.1
0°-60°	2642.3	78.1
0°-90°	3383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3383.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1173	1170	1165	1162	1164	111
15°	1130	1125	1124	1123	1124	320
25°	1049	1046	1043	1043	1044	484
35°	932	931	928	926	925	583
45°	787	785	780	782	780	606
55°	615	615	613	612	614	549
65°	424	424	425	424	426	420
75°	232	232	234	237	235	245
85°	61	62	64	65	64	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.8	1168.8	1168.8	1168.8	1168.8
2.5°	1173.7	1169.5	1166.0	1165.3	1167.4
5°	1173.0	1170.2	1164.6	1162.5	1163.9
7.5°	1164.6	1161.1	1157.5	1156.1	1154.7
10°	1161.8	1151.9	1149.1	1147.7	1149.8
12.5°	1147.7	1140.7	1137.9	1137.2	1137.9
15°	1130.2	1125.2	1123.8	1123.1	1124.5
17.5°	1116.8	1107.7	1109.1	1104.9	1107.7
20°	1092.9	1090.1	1088.0	1088.0	1088.7
22.5°	1076.1	1069.7	1065.5	1066.2	1067.6
25°	1049.4	1045.9	1043.1	1043.1	1044.5
27.5°	1024.1	1018.5	1020.6	1017.1	1018.5
30°	995.3	991.1	988.3	989.0	997.4
32.5°	965.1	961.6	958.1	958.8	956.0
35°	932.1	930.7	927.9	925.8	925.1
37.5°	897.7	896.3	891.3	892.0	891.3
40°	863.2	860.4	856.9	858.3	856.9
42.5°	827.4	823.9	819.0	823.9	821.8
45°	786.7	785.3	780.4	781.8	780.4
47.5°	743.8	744.5	742.4	743.1	741.0
50°	703.8	703.1	701.0	700.3	698.2
52.5°	658.1	658.8	657.4	656.7	657.4
55°	615.3	615.3	613.2	611.8	613.9
57.5°	568.9	567.5	568.2	566.8	565.4
60°	519.1	519.8	521.9	519.1	521.2
62.5°	474.1	474.8	473.4	473.4	473.4
65°	424.2	424.2	424.9	424.2	425.7
67.5°	375.8	378.6	377.9	376.5	375.8
70°	327.3	329.4	329.4	328.7	328.0
72.5°	278.9	279.6	281.7	282.4	282.4
75°	231.8	231.8	233.9	236.7	235.3
77.5°	186.1	186.8	188.2	189.6	188.9
80°	140.5	142.6	143.3	144.7	146.1
82.5°	99.0	101.1	101.8	103.3	105.4
85°	61.1	61.8	63.9	64.6	63.9
87.5°	26.0	26.7	28.8	31.6	30.9
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	13.4	15.1	13.8	15.4	15.7	13.4	15.1	13.8	15.4	15.7
	3H	15.3	16.8	15.7	17.1	17.5	15.3	16.8	15.6	17.1	17.4
	4H	16.0	17.4	16.4	17.7	18.1	16.0	17.4	16.4	17.7	18.1
	6H	16.5	17.8	16.9	18.2	18.6	16.5	17.8	16.9	18.2	18.6
	8H	16.7	17.9	17.1	18.3	18.7	16.7	18.0	17.1	18.4	18.7
	12H	16.8	18.0	17.2	18.4	18.8	16.8	18.0	17.3	18.4	18.8
4H	2H	14.1	15.5	14.5	15.8	16.2	14.1	15.5	14.5	15.8	16.2
	3H	16.1	17.3	16.6	17.7	18.1	16.1	17.3	16.5	17.7	18.1
	4H	17.0	18.0	17.4	18.5	18.9	17.0	18.1	17.4	18.5	18.9
	6H	17.6	18.6	18.1	19.0	19.5	17.7	18.6	18.1	19.1	19.5
	8H	17.8	18.7	18.3	19.2	19.6	17.9	18.8	18.4	19.2	19.7
	12H	18.0	18.8	18.5	19.3	19.7	18.1	18.9	18.6	19.4	19.8
8H	4H	17.3	18.2	17.8	18.6	19.1	17.3	18.2	17.8	18.6	19.1
	6H	18.1	18.8	18.6	19.3	19.8	18.1	18.9	18.6	19.4	19.8
	8H	18.4	19.0	18.9	19.6	20.0	18.4	19.1	19.0	19.6	20.1
	12H	18.6	19.2	19.1	19.7	20.3	18.7	19.3	19.2	19.8	20.3
12H	4H	17.3	18.1	17.8	18.6	19.1	17.4	18.2	17.8	18.6	19.1
	6H	18.2	18.8	18.7	19.3	19.8	18.2	18.9	18.7	19.3	19.9
	8H	18.5	19.1	19.0	19.6	20.1	18.6	19.2	19.1	19.6	20.2















(END OF REPORT)