

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: P1555034

Luminaire Tested: 24CGTS-L3C39 5000 - MEDIUM

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555034
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 5000 - MEDIUM
Description: OPP Panel 2x4 5000 MEDIUM

Light Source:
Ballast/Driver: -

Summary

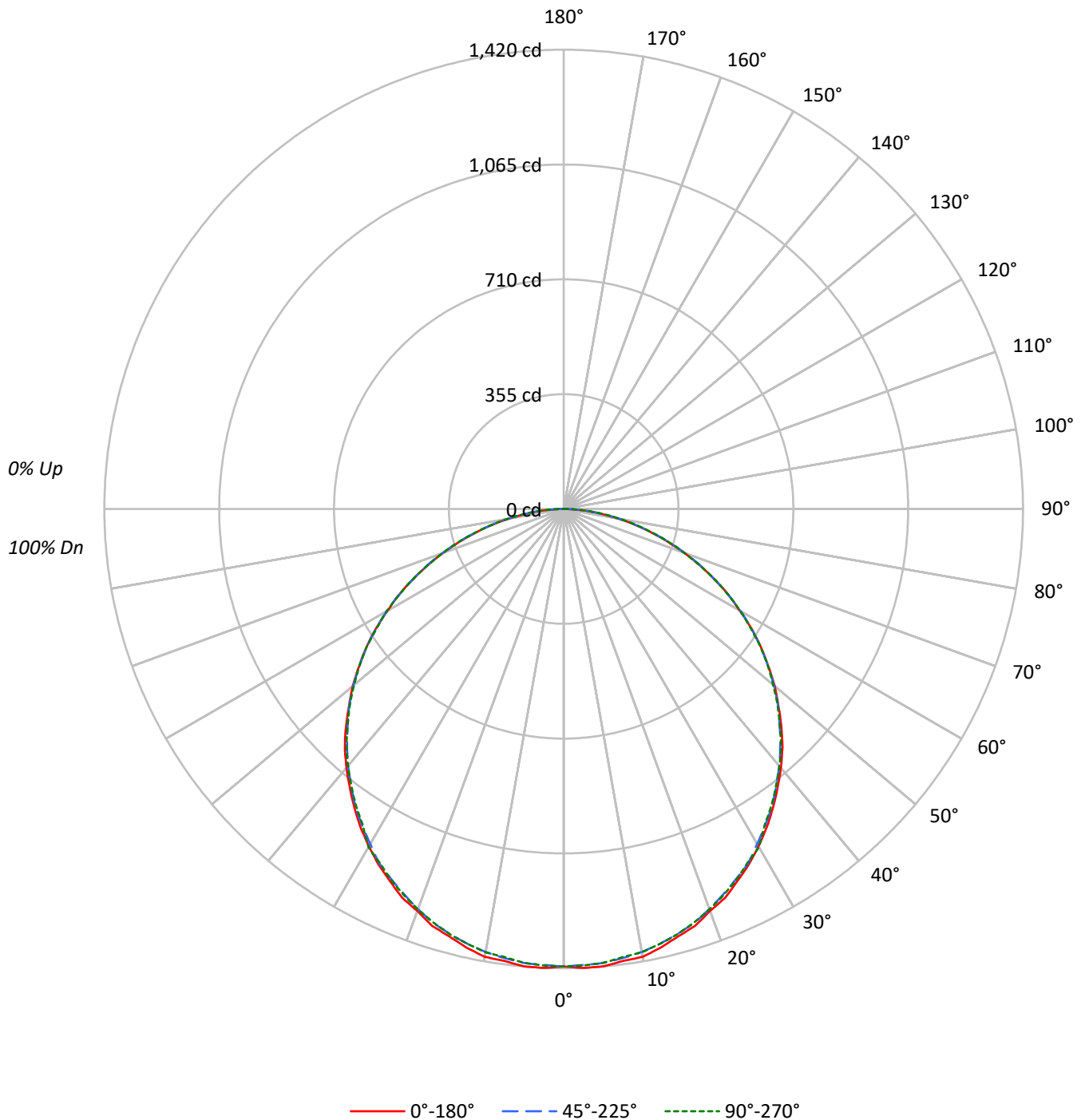
Lumens per Lamp: N/A
Luminaire Lumens: 4094.1 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.9
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				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	64	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	38	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°	1903	1903	1903
5°	1917	1903	1902
10°	1921	1900	1901
15°	1905	1894	1896
20°	1894	1885	1886
25°	1885	1874	1877
30°	1871	1858	1875
35°	1853	1844	1839
40°	1835	1821	1821
45°	1811	1797	1797
50°	1783	1776	1769
55°	1747	1741	1743
60°	1690	1700	1697
65°	1635	1637	1640
70°	1558	1568	1562
75°	1458	1472	1481
80°	1317	1344	1370
85°	1142	1195	1195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1811 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	3.3
10°-20°	384.3	9.4
20°-30°	582.7	14.2
30°-40°	702.5	17.2
40°-50°	731.1	17.9
50°-60°	663.0	16.2
60°-70°	509.1	12.4
70°-80°	299.8	7.3
80°-90°	87.6	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°	1101.0	26.9
0°-40°	1803.5	44.1
0°-60°	3197.6	78.1
0°-90°	4094.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4094.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1420	1416	1409	1407	1408	135
15°	1368	1362	1360	1359	1361	387
25°	1270	1266	1262	1262	1264	586
35°	1128	1126	1123	1120	1120	706
45°	952	950	944	946	944	734
55°	745	745	742	740	743	664
65°	513	513	514	513	515	508
75°	280	280	283	286	285	297
85°	74	75	77	78	77	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1414.4	1414.4	1414.4	1414.4	1414.4
2.5°	1420.4	1415.3	1411.0	1410.2	1412.7
5°	1419.5	1416.1	1409.3	1406.8	1408.5
7.5°	1409.3	1405.1	1400.8	1399.1	1397.4
10°	1405.9	1394.0	1390.6	1388.9	1391.5
12.5°	1388.9	1380.4	1377.0	1376.2	1377.0
15°	1367.7	1361.7	1360.0	1359.2	1360.9
17.5°	1351.5	1340.5	1342.2	1337.1	1340.5
20°	1322.6	1319.2	1316.7	1316.7	1317.5
22.5°	1302.2	1294.6	1289.5	1290.3	1292.0
25°	1269.9	1265.7	1262.3	1262.3	1264.0
27.5°	1239.3	1232.5	1235.1	1230.8	1232.5
30°	1204.5	1199.4	1196.0	1196.8	1207.0
32.5°	1167.9	1163.7	1159.4	1160.3	1156.9
35°	1128.0	1126.3	1122.9	1120.3	1119.5
37.5°	1086.3	1084.6	1078.7	1079.5	1078.7
40°	1044.7	1041.3	1037.0	1038.7	1037.0
42.5°	1001.3	997.1	991.1	997.1	994.5
45°	952.0	950.3	944.4	946.1	944.4
47.5°	900.2	901.0	898.5	899.3	896.8
50°	851.7	850.9	848.3	847.5	844.9
52.5°	796.5	797.3	795.6	794.8	795.6
55°	744.6	744.6	742.1	740.4	742.9
57.5°	688.5	686.8	687.7	686.0	684.3
60°	628.2	629.0	631.6	628.2	630.7
62.5°	573.8	574.6	572.9	572.9	572.9
65°	513.4	513.4	514.3	513.4	515.1
67.5°	454.8	458.2	457.3	455.6	454.8
70°	396.1	398.7	398.7	397.8	397.0
72.5°	337.5	338.3	340.9	341.7	341.7
75°	280.5	280.5	283.1	286.5	284.8
77.5°	225.3	226.1	227.8	229.5	228.7
80°	170.0	172.6	173.4	175.1	176.8
82.5°	119.9	122.4	123.3	125.0	127.5
85°	74.0	74.8	77.4	78.2	77.4
87.5°	31.5	32.3	34.9	38.3	37.4
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	14.1	15.7	14.5	16.1	16.4	14.1	15.7	14.4	16.0	16.4
	3H	15.9	17.4	16.3	17.8	18.1	15.9	17.4	16.3	17.7	18.1
	4H	16.6	18.0	17.0	18.4	18.8	16.6	18.1	17.0	18.4	18.8
	6H	17.2	18.5	17.6	18.8	19.2	17.2	18.5	17.6	18.9	19.3
	8H	17.3	18.6	17.7	19.0	19.4	17.4	18.6	17.8	19.0	19.4
	12H	17.4	18.6	17.9	19.0	19.4	17.5	18.7	17.9	19.1	19.5
4H	2H	14.7	16.1	15.1	16.5	16.9	14.7	16.1	15.1	16.5	16.9
	3H	16.8	18.0	17.2	18.4	18.8	16.8	18.0	17.2	18.4	18.8
	4H	17.6	18.7	18.1	19.1	19.6	17.7	18.7	18.1	19.1	19.6
	6H	18.3	19.2	18.7	19.7	20.1	18.3	19.3	18.8	19.7	20.2
	8H	18.5	19.4	19.0	19.8	20.3	18.6	19.5	19.0	19.9	20.4
	12H	18.7	19.5	19.2	19.9	20.4	18.7	19.5	19.2	20.0	20.5
8H	4H	18.0	18.9	18.4	19.3	19.8	18.0	18.9	18.4	19.3	19.8
	6H	18.8	19.5	19.2	20.0	20.4	18.8	19.5	19.3	20.0	20.5
	8H	19.1	19.7	19.6	20.2	20.7	19.1	19.8	19.6	20.3	20.8
	12H	19.3	19.9	19.8	20.4	20.9	19.4	20.0	19.9	20.4	21.0
12H	4H	18.0	18.8	18.5	19.3	19.7	18.0	18.8	18.5	19.3	19.8
	6H	18.8	19.5	19.4	20.0	20.5	18.9	19.5	19.4	20.0	20.5
	8H	19.2	19.8	19.7	20.3	20.8	19.2	19.8	19.7	20.3	20.9













(END OF REPORT)