

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: P1555035

Luminaire Tested: 24CGTS-L3C39 5000- HIGH

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555035
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- HIGH
Description: OPP Panel 2x4 5000 HIGH

Light Source:
Ballast/Driver: -

Summary

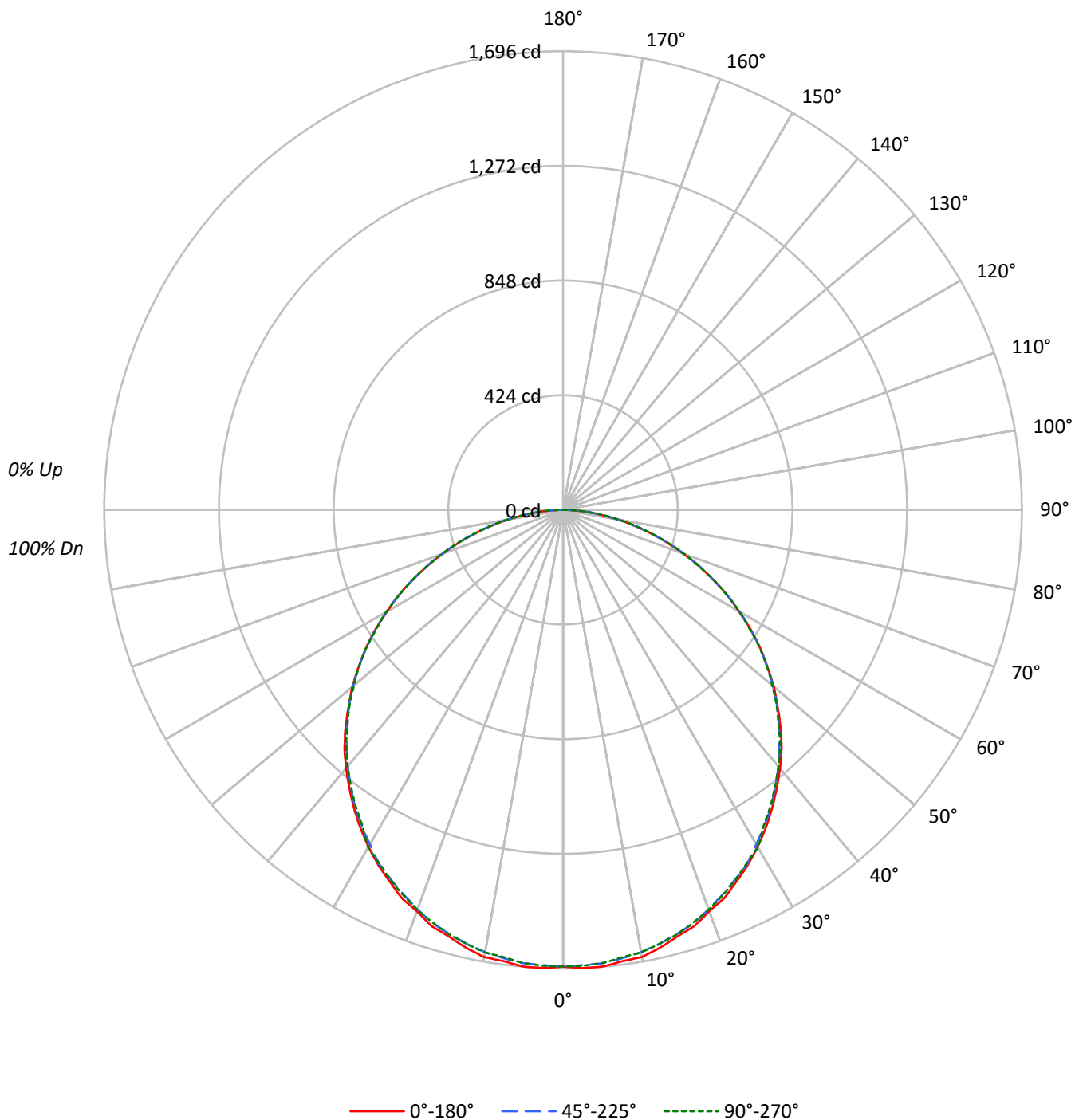
Lumens per Lamp: N/A
Luminaire Lumens: 4889.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 38.9
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	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°	2273	2273	2273
5°	2290	2273	2272
10°	2294	2269	2270
15°	2275	2262	2264
20°	2262	2251	2253
25°	2251	2238	2241
30°	2235	2219	2239
35°	2213	2202	2196
40°	2191	2175	2175
45°	2163	2146	2146
50°	2129	2120	2112
55°	2086	2079	2081
60°	2019	2030	2027
65°	1952	1955	1958
70°	1861	1873	1865
75°	1742	1757	1768
80°	1573	1605	1636
85°	1363	1426	1426

MAXIMUM LUMINANCE 45°-90°:

Luminance: 2163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.1	3.3
10°-20°	458.9	9.4
20°-30°	695.9	14.2
30°-40°	838.9	17.2
40°-50°	873.0	17.9
50°-60°	791.8	16.2
60°-70°	608.0	12.4
70°-80°	358.0	7.3
80°-90°	104.6	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°	1314.8	26.9
0°-40°	2153.7	44.1
0°-60°	3818.5	78.1
0°-90°	4889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4889.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1689	1689	1689	1689	1689	
5°	1695	1691	1683	1680	1682	161
15°	1633	1626	1624	1623	1625	462
25°	1516	1511	1507	1507	1509	699
35°	1347	1345	1341	1338	1337	843
45°	1137	1135	1128	1130	1128	877
55°	889	889	886	884	887	793
65°	613	613	614	613	615	607
75°	335	335	338	342	340	355
85°	88	89	92	93	92	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1689.1	1689.1	1689.1	1689.1	1689.1
2.5°	1696.2	1690.1	1685.0	1684.0	1687.1
5°	1695.2	1691.1	1683.0	1679.9	1682.0
7.5°	1683.0	1677.9	1672.8	1670.8	1668.8
10°	1678.9	1664.7	1660.7	1658.6	1661.7
12.5°	1658.6	1648.5	1644.4	1643.4	1644.4
15°	1633.3	1626.2	1624.1	1623.1	1625.1
17.5°	1614.0	1600.8	1602.8	1596.7	1600.8
20°	1579.5	1575.4	1572.4	1572.4	1573.4
22.5°	1555.1	1546.0	1539.9	1540.9	1542.9
25°	1516.5	1511.4	1507.4	1507.4	1509.4
27.5°	1480.0	1471.9	1474.9	1469.8	1471.9
30°	1438.4	1432.3	1428.2	1429.2	1441.4
32.5°	1394.7	1389.6	1384.6	1385.6	1381.5
35°	1347.0	1345.0	1340.9	1337.9	1336.9
37.5°	1297.3	1295.2	1288.1	1289.1	1288.1
40°	1247.5	1243.5	1238.4	1240.4	1238.4
42.5°	1195.8	1190.7	1183.6	1190.7	1187.6
45°	1136.9	1134.9	1127.7	1129.8	1127.7
47.5°	1075.0	1076.0	1072.9	1073.9	1070.9
50°	1017.1	1016.1	1013.0	1012.0	1009.0
52.5°	951.1	952.1	950.1	949.1	950.1
55°	889.2	889.2	886.2	884.1	887.2
57.5°	822.2	820.2	821.2	819.2	817.1
60°	750.1	751.2	754.2	750.1	753.2
62.5°	685.2	686.2	684.2	684.2	684.2
65°	613.1	613.1	614.1	613.1	615.1
67.5°	543.1	547.1	546.1	544.1	543.1
70°	473.0	476.1	476.1	475.1	474.0
72.5°	403.0	404.0	407.0	408.1	408.1
75°	335.0	335.0	338.0	342.1	340.1
77.5°	269.0	270.0	272.0	274.1	273.1
80°	203.0	206.1	207.1	209.1	211.1
82.5°	143.1	146.2	147.2	149.2	152.3
85°	88.3	89.3	92.4	93.4	92.4
87.5°	37.6	38.6	41.6	45.7	44.7
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	14.7	16.4	15.1	16.7	17.0	14.7	16.3	15.1	16.7	17.0
	3H	16.6	18.1	16.9	18.4	18.7	16.5	18.0	16.9	18.4	18.7
	4H	17.3	18.7	17.6	19.0	19.4	17.3	18.7	17.7	19.0	19.4
	6H	17.8	19.1	18.2	19.4	19.8	17.8	19.1	18.2	19.5	19.9
	8H	17.9	19.2	18.4	19.6	20.0	18.0	19.2	18.4	19.6	20.0
	12H	18.1	19.3	18.5	19.6	20.1	18.1	19.3	18.5	19.7	20.1
4H	2H	15.4	16.8	15.8	17.1	17.5	15.3	16.8	15.7	17.1	17.5
	3H	17.4	18.6	17.8	19.0	19.4	17.4	18.6	17.8	19.0	19.4
	4H	18.3	19.3	18.7	19.7	20.2	18.3	19.3	18.7	19.8	20.2
	6H	18.9	19.8	19.4	20.3	20.7	19.0	19.9	19.4	20.3	20.8
	8H	19.1	20.0	19.6	20.4	20.9	19.2	20.1	19.6	20.5	21.0
	12H	19.3	20.1	19.8	20.6	21.0	19.4	20.2	19.8	20.6	21.1
8H	4H	18.6	19.5	19.0	19.9	20.4	18.6	19.5	19.1	19.9	20.4
	6H	19.4	20.1	19.9	20.6	21.1	19.4	20.1	19.9	20.6	21.1
	8H	19.7	20.3	20.2	20.8	21.3	19.7	20.4	20.2	20.9	21.4
	12H	19.9	20.5	20.4	21.0	21.5	20.0	20.6	20.5	21.1	21.6
12H	4H	18.6	19.4	19.1	19.9	20.4	18.6	19.4	19.1	19.9	20.4
	6H	19.4	20.1	20.0	20.6	21.1	19.5	20.2	20.0	20.6	21.1
	8H	19.8	20.4	20.3	20.9	21.4	19.9	20.4	20.4	20.9	21.5















(END OF REPORT)