

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: P1555030

Luminaire Tested: 24CGTS-L3C39 4000 - HIGH

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555030
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 - HIGH
Description: OPP Panel 2x4 4000 HIGH

Light Source:
Ballast/Driver: -

Summary

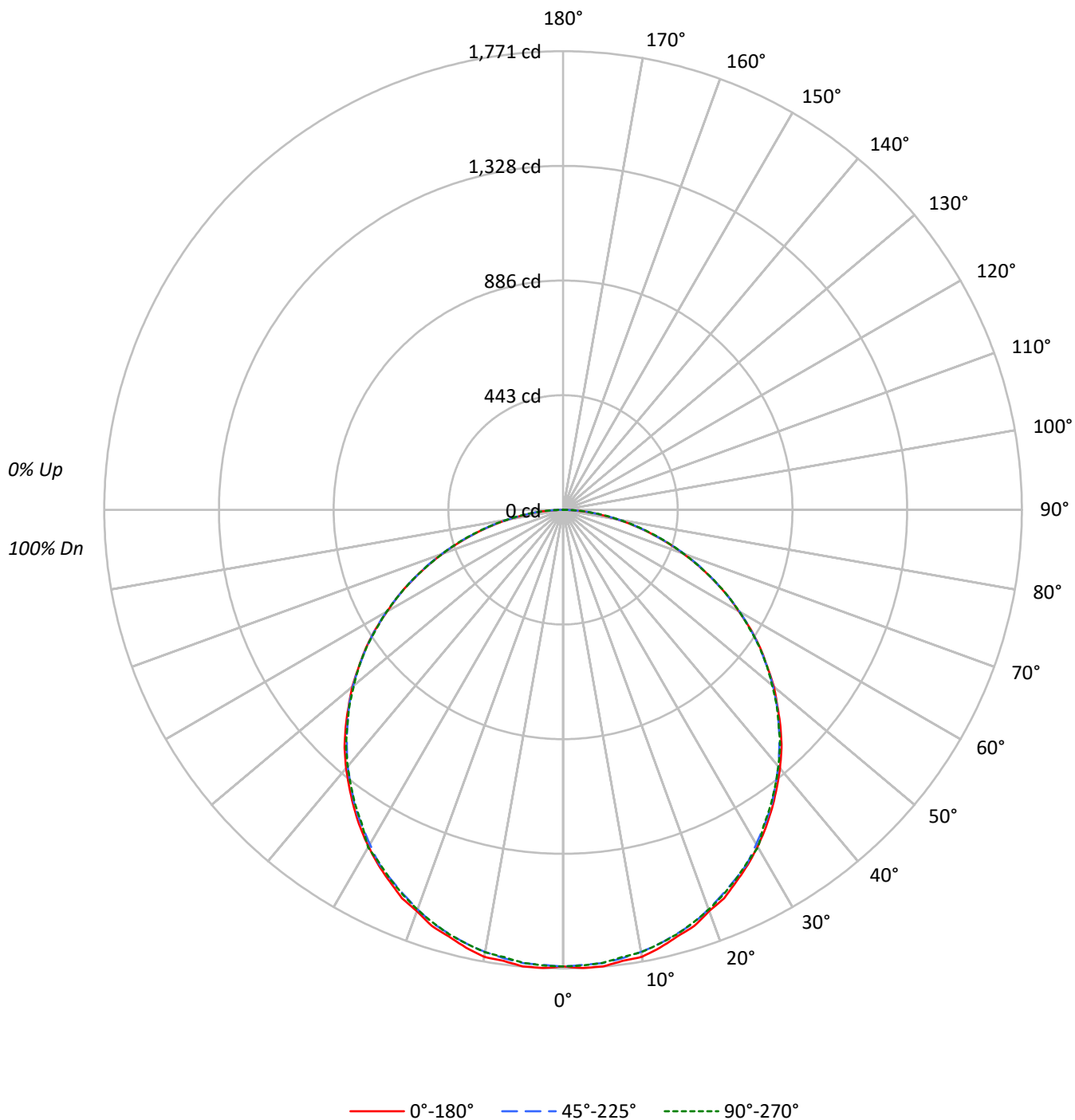
Lumens per Lamp: N/A
Luminaire Lumens: 5104.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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

TEST NUMBER: P1555030

CATALOG NUMBER: 24CGTS-L3C39 4000 - HIGH

Luminous Intensity Polar Plot



TEST NUMBER: P1555030

CATALOG NUMBER: 24CGTS-L3C39 4000 - HIGH

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°	2373	2373	2373
5°	2390	2373	2372
10°	2395	2369	2370
15°	2375	2362	2363
20°	2361	2350	2352
25°	2350	2336	2339
30°	2333	2316	2338
35°	2310	2299	2292
40°	2288	2271	2271
45°	2258	2240	2240
50°	2223	2214	2205
55°	2178	2170	2173
60°	2107	2119	2116
65°	2038	2041	2045
70°	1943	1955	1947
75°	1818	1835	1845
80°	1642	1675	1708
85°	1423	1488	1488

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2258 cd/sqm

TEST NUMBER: P1555030

CATALOG NUMBER: 24CGTS-L3C39 4000 - HIGH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	3.3
10°-20°	479.1	9.4
20°-30°	726.5	14.2
30°-40°	875.8	17.2
40°-50°	911.4	17.9
50°-60°	826.6	16.2
60°-70°	634.7	12.4
70°-80°	373.7	7.3
80°-90°	109.2	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°	1372.6	26.9
0°-40°	2248.4	44.1
0°-60°	3986.5	78.1
0°-90°	5104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1763	1763	1763	1763	1763	
5°	1770	1766	1757	1754	1756	168
15°	1705	1698	1696	1694	1697	482
25°	1583	1578	1574	1574	1576	730
35°	1406	1404	1400	1397	1396	880
45°	1187	1185	1177	1180	1177	915
55°	928	928	925	923	926	828
65°	640	640	641	640	642	634
75°	350	350	353	357	355	370
85°	92	93	96	98	96	105
90°	0	0	0	0	0	

TEST NUMBER: P1555030

CATALOG NUMBER: 24CGTS-L3C39 4000 - HIGH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1763.4	1763.4	1763.4	1763.4	1763.4
2.5°	1770.8	1764.4	1759.1	1758.1	1761.2
5°	1769.7	1765.5	1757.0	1753.8	1755.9
7.5°	1757.0	1751.7	1746.4	1744.3	1742.2
10°	1752.8	1737.9	1733.7	1731.6	1734.8
12.5°	1731.6	1721.0	1716.7	1715.7	1716.7
15°	1705.1	1697.7	1695.5	1694.5	1696.6
17.5°	1684.9	1671.2	1673.3	1666.9	1671.2
20°	1648.9	1644.7	1641.5	1641.5	1642.6
22.5°	1623.5	1613.9	1607.6	1608.6	1610.8
25°	1583.2	1577.9	1573.7	1573.7	1575.8
27.5°	1545.1	1536.6	1539.8	1534.5	1536.6
30°	1501.6	1495.3	1491.0	1492.1	1504.8
32.5°	1456.0	1450.7	1445.5	1446.5	1442.3
35°	1406.2	1404.1	1399.9	1396.7	1395.6
37.5°	1354.3	1352.2	1344.8	1345.8	1344.8
40°	1302.4	1298.2	1292.9	1295.0	1292.9
42.5°	1248.3	1243.0	1235.6	1243.0	1239.9
45°	1186.9	1184.8	1177.3	1179.5	1177.3
47.5°	1122.2	1123.3	1120.1	1121.2	1118.0
50°	1061.8	1060.8	1057.6	1056.5	1053.4
52.5°	993.0	994.0	991.9	990.8	991.9
55°	928.3	928.3	925.1	923.0	926.2
57.5°	858.4	856.2	857.3	855.2	853.1
60°	783.1	784.2	787.4	783.1	786.3
62.5°	715.3	716.4	714.2	714.2	714.2
65°	640.1	640.1	641.1	640.1	642.2
67.5°	566.9	571.2	570.1	568.0	566.9
70°	493.8	497.0	497.0	495.9	494.9
72.5°	420.7	421.8	424.9	426.0	426.0
75°	349.7	349.7	352.9	357.1	355.0
77.5°	280.8	281.9	284.0	286.1	285.1
80°	211.9	215.1	216.2	218.3	220.4
82.5°	149.4	152.6	153.7	155.8	159.0
85°	92.2	93.3	96.4	97.5	96.4
87.5°	39.2	40.3	43.4	47.7	46.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1555030

CATALOG NUMBER: 24CGTS-L3C39 4000 - HIGH

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	14.9	16.5	15.2	16.8	17.1	14.8	16.5	15.2	16.8	17.1
	3H	16.7	18.2	17.1	18.5	18.9	16.7	18.2	17.1	18.5	18.9
	4H	17.4	18.8	17.8	19.2	19.5	17.4	18.8	17.8	19.2	19.5
	6H	17.9	19.2	18.3	19.6	20.0	18.0	19.3	18.4	19.6	20.0
	8H	18.1	19.3	18.5	19.7	20.1	18.1	19.4	18.6	19.8	20.2
	12H	18.2	19.4	18.6	19.8	20.2	18.3	19.5	18.7	19.8	20.3
4H	2H	15.5	16.9	15.9	17.3	17.6	15.5	16.9	15.9	17.3	17.6
	3H	17.6	18.8	18.0	19.2	19.6	17.6	18.8	18.0	19.2	19.6
	4H	18.4	19.5	18.8	19.9	20.3	18.4	19.5	18.9	19.9	20.3
	6H	19.1	20.0	19.5	20.4	20.9	19.1	20.0	19.6	20.5	20.9
	8H	19.3	20.2	19.7	20.6	21.1	19.3	20.2	19.8	20.7	21.1
	12H	19.4	20.2	19.9	20.7	21.2	19.5	20.3	20.0	20.8	21.2
8H	4H	18.7	19.6	19.2	20.1	20.5	18.8	19.6	19.2	20.1	20.5
	6H	19.5	20.3	20.0	20.7	21.2	19.6	20.3	20.1	20.8	21.3
	8H	19.8	20.5	20.3	21.0	21.5	19.9	20.5	20.4	21.0	21.5
	12H	20.1	20.6	20.6	21.1	21.7	20.1	20.7	20.6	21.2	21.8
12H	4H	18.8	19.6	19.3	20.0	20.5	18.8	19.6	19.3	20.1	20.5
	6H	19.6	20.3	20.1	20.7	21.3	19.6	20.3	20.2	20.8	21.3
	8H	19.9	20.5	20.4	21.0	21.6	20.0	20.6	20.5	21.1	21.6















(END OF REPORT)