

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: P1555027

Luminaire Tested: 24CGTS-L3C39 3500 - HIGH

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555027
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 3500 - HIGH
Description: OPP Panel 2x4 3500 HIGH

Light Source:
Ballast/Driver: -

Summary

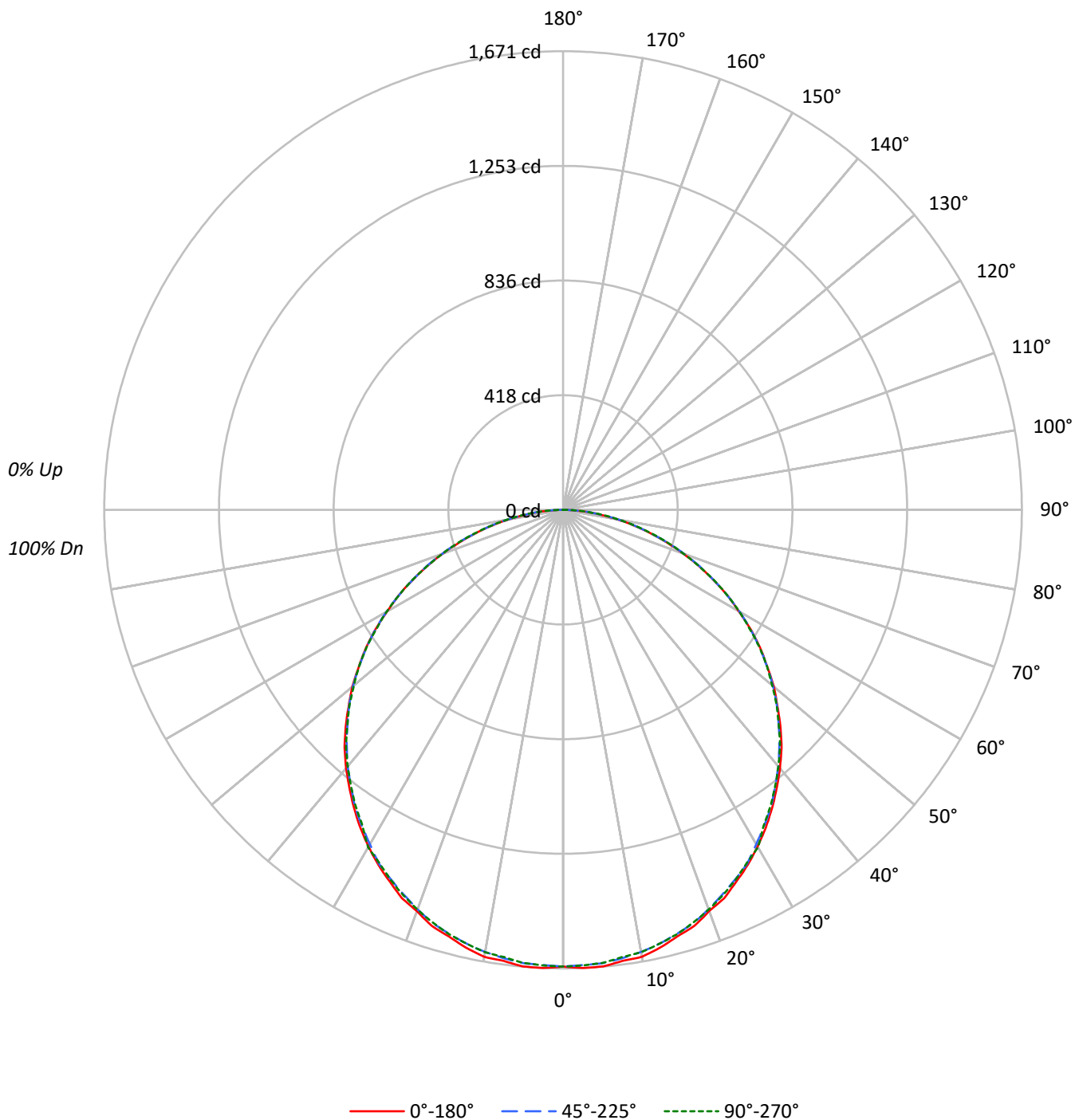
Lumens per Lamp: N/A
Luminaire Lumens: 4816.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 38.5
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°	2239	2239	2239
5°	2255	2239	2238
10°	2260	2235	2236
15°	2241	2229	2230
20°	2228	2218	2219
25°	2218	2204	2207
30°	2201	2186	2206
35°	2179	2170	2163
40°	2158	2143	2143
45°	2131	2114	2114
50°	2097	2089	2080
55°	2055	2048	2050
60°	1988	1999	1996
65°	1923	1926	1929
70°	1833	1845	1837
75°	1716	1731	1742
80°	1550	1581	1612
85°	1343	1405	1405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2131 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	3.3
10°-20°	452.0	9.4
20°-30°	685.5	14.2
30°-40°	826.4	17.2
40°-50°	860.0	17.9
50°-60°	779.9	16.2
60°-70°	598.9	12.4
70°-80°	352.6	7.3
80°-90°	103.0	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°	1295.2	26.9
0°-40°	2121.6	44.1
0°-60°	3761.5	78.1
0°-90°	4816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4816.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1664	1664	1664	1664	1664	
5°	1670	1666	1658	1655	1657	159
15°	1609	1602	1600	1599	1601	455
25°	1494	1489	1485	1485	1487	689
35°	1327	1325	1321	1318	1317	830
45°	1120	1118	1111	1113	1111	863
55°	876	876	873	871	874	781
65°	604	604	605	604	606	598
75°	330	330	333	337	335	349
85°	87	88	91	92	91	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1663.9	1663.9	1663.9	1663.9	1663.9
2.5°	1670.9	1664.9	1659.9	1658.9	1661.9
5°	1669.9	1665.9	1657.9	1654.9	1656.9
7.5°	1657.9	1652.9	1647.9	1645.9	1643.9
10°	1653.9	1639.9	1635.9	1633.9	1636.9
12.5°	1633.9	1623.9	1619.9	1618.9	1619.9
15°	1608.9	1601.9	1599.9	1598.9	1600.9
17.5°	1589.9	1576.9	1578.9	1572.9	1576.9
20°	1555.9	1551.9	1548.9	1548.9	1549.9
22.5°	1531.9	1522.9	1516.9	1517.9	1519.9
25°	1493.9	1488.9	1484.9	1484.9	1486.9
27.5°	1457.9	1449.9	1452.9	1447.9	1449.9
30°	1416.9	1410.9	1406.9	1407.9	1419.9
32.5°	1373.9	1368.9	1363.9	1364.9	1360.9
35°	1326.9	1324.9	1320.9	1317.9	1316.9
37.5°	1277.9	1275.9	1268.9	1269.9	1268.9
40°	1228.9	1224.9	1219.9	1221.9	1219.9
42.5°	1177.9	1172.9	1165.9	1172.9	1169.9
45°	1119.9	1117.9	1110.9	1112.9	1110.9
47.5°	1058.9	1059.9	1056.9	1057.9	1054.9
50°	1001.9	1000.9	997.9	996.9	993.9
52.5°	936.9	937.9	935.9	934.9	935.9
55°	875.9	875.9	872.9	870.9	873.9
57.5°	809.9	807.9	808.9	806.9	804.9
60°	738.9	739.9	742.9	738.9	741.9
62.5°	674.9	675.9	673.9	673.9	673.9
65°	604.0	604.0	605.0	604.0	606.0
67.5°	535.0	539.0	538.0	536.0	535.0
70°	466.0	469.0	469.0	468.0	467.0
72.5°	397.0	398.0	401.0	402.0	402.0
75°	330.0	330.0	333.0	337.0	335.0
77.5°	265.0	266.0	268.0	270.0	269.0
80°	200.0	203.0	204.0	206.0	208.0
82.5°	141.0	144.0	145.0	147.0	150.0
85°	87.0	88.0	91.0	92.0	91.0
87.5°	37.0	38.0	41.0	45.0	44.0
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	16.3	15.0	16.6	16.9	14.6	16.3	15.0	16.6	16.9
	3H	16.5	18.0	16.9	18.3	18.7	16.5	18.0	16.9	18.3	18.7
	4H	17.2	18.6	17.6	19.0	19.3	17.2	18.6	17.6	19.0	19.3
	6H	17.7	19.0	18.1	19.4	19.8	17.8	19.1	18.2	19.4	19.8
	8H	17.9	19.1	18.3	19.5	19.9	17.9	19.2	18.4	19.6	20.0
	12H	18.0	19.2	18.4	19.6	20.0	18.1	19.3	18.5	19.6	20.1
4H	2H	15.3	16.7	15.7	17.1	17.4	15.3	16.7	15.7	17.1	17.4
	3H	17.4	18.6	17.8	19.0	19.4	17.4	18.6	17.8	19.0	19.4
	4H	18.2	19.3	18.6	19.7	20.1	18.2	19.3	18.7	19.7	20.1
	6H	18.9	19.8	19.3	20.2	20.7	18.9	19.8	19.4	20.3	20.7
	8H	19.1	20.0	19.5	20.4	20.9	19.1	20.0	19.6	20.5	20.9
	12H	19.2	20.0	19.7	20.5	21.0	19.3	20.1	19.8	20.6	21.0
8H	4H	18.5	19.4	19.0	19.9	20.3	18.6	19.4	19.0	19.9	20.3
	6H	19.3	20.1	19.8	20.5	21.0	19.4	20.1	19.9	20.6	21.1
	8H	19.6	20.3	20.1	20.8	21.3	19.7	20.3	20.2	20.8	21.3
	12H	19.9	20.4	20.4	20.9	21.5	19.9	20.5	20.4	21.0	21.6
12H	4H	18.6	19.4	19.1	19.8	20.3	18.6	19.4	19.1	19.9	20.3
	6H	19.4	20.1	19.9	20.5	21.1	19.4	20.1	20.0	20.6	21.1
	8H	19.7	20.3	20.2	20.8	21.4	19.8	20.4	20.3	20.9	21.4















(END OF REPORT)