

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: P1555028

Luminaire Tested: 24CGTS-L3C39 3500 - LOW

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555028
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 - LOW
Description: OPP Panel 2x4 3500 LOW

Light Source:
Ballast/Driver: -

Summary

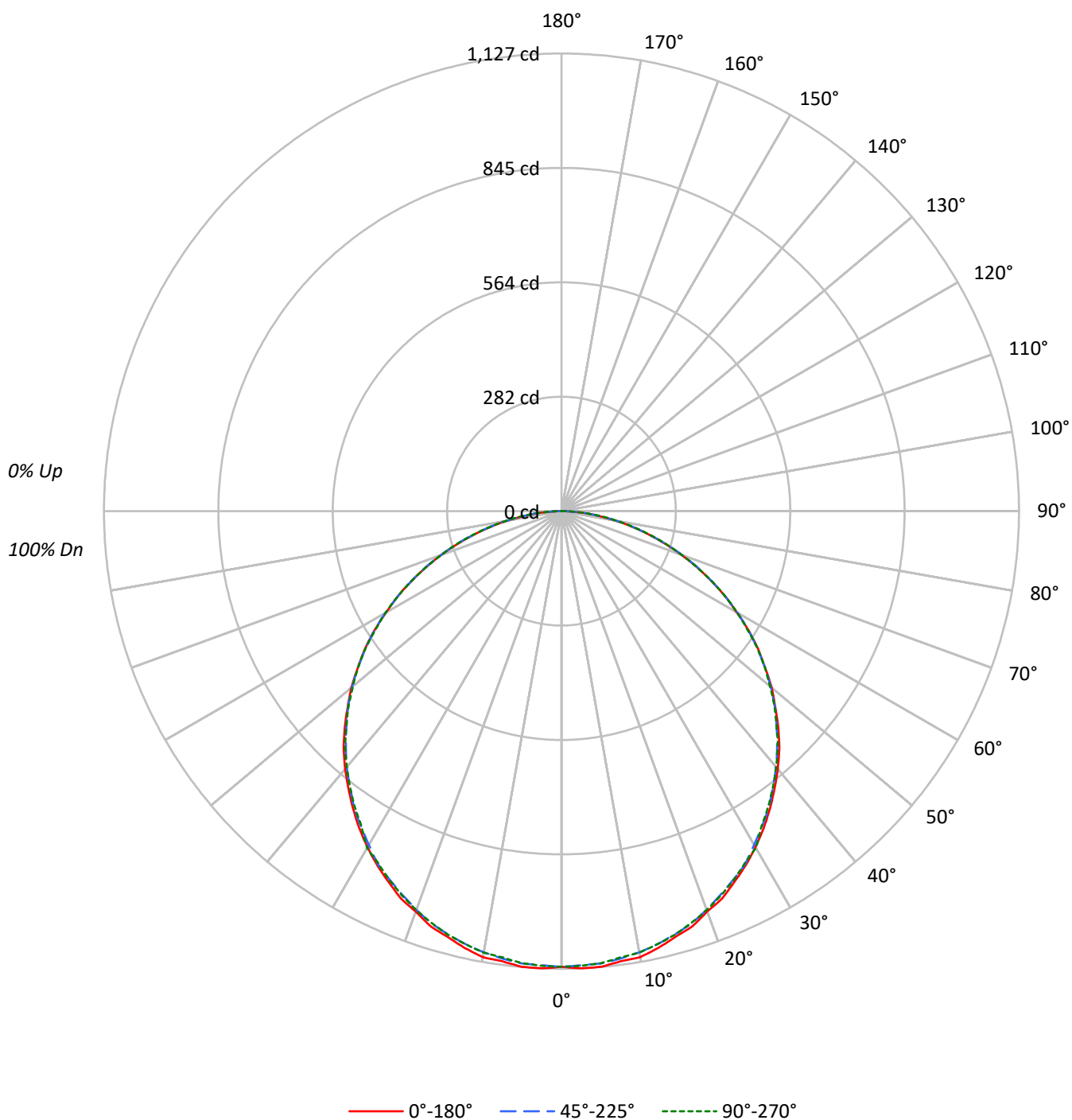
Lumens per Lamp: N/A
Luminaire Lumens: 3248.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
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

TEST NUMBER: P1555028

CATALOG NUMBER: 24CGTS-L3C39 3500 - LOW

Luminous Intensity Polar Plot



TEST NUMBER: P1555028

CATALOG NUMBER: 24CGTS-L3C39 3500 - LOW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	95	106	101	97	94	97	94	91		93	90	88		90
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	47	73	61	53	46	59	52	46		57	50	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1510	1510	1510
5°	1521	1510	1509
10°	1524	1507	1508
15°	1511	1503	1504
20°	1502	1496	1497
25°	1496	1487	1489
30°	1485	1474	1488
35°	1470	1463	1459
40°	1456	1445	1445
45°	1437	1426	1426
50°	1414	1409	1403
55°	1386	1381	1383
60°	1341	1348	1347
65°	1297	1299	1301
70°	1236	1244	1239
75°	1157	1168	1174
80°	1045	1066	1087
85°	906	948	948

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1437 cd/sqm

TEST NUMBER: P1555028

CATALOG NUMBER: 24CGTS-L3C39 3500 - LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.3
10°-20°	304.9	9.4
20°-30°	462.3	14.2
30°-40°	557.3	17.2
40°-50°	580.0	17.9
50°-60°	526.0	16.2
60°-70°	403.9	12.4
70°-80°	237.8	7.3
80°-90°	69.5	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°	873.5	26.9
0°-40°	1430.8	44.1
0°-60°	2536.8	78.1
0°-90°	3248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3248.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1126	1124	1118	1116	1117	107
15°	1085	1080	1079	1078	1080	307
25°	1008	1004	1001	1001	1003	465
35°	895	894	891	889	888	560
45°	755	754	749	751	749	582
55°	591	591	589	587	589	527
65°	407	407	408	407	409	403
75°	222	222	225	227	226	236
85°	59	59	61	62	61	67
90°	0	0	0	0	0	

TEST NUMBER: P1555028

CATALOG NUMBER: 24CGTS-L3C39 3500 - LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.1	1122.1	1122.1	1122.1	1122.1
2.5°	1126.9	1122.8	1119.4	1118.8	1120.8
5°	1126.2	1123.5	1118.1	1116.1	1117.4
7.5°	1118.1	1114.7	1111.4	1110.0	1108.7
10°	1115.4	1106.0	1103.3	1101.9	1103.9
12.5°	1101.9	1095.2	1092.5	1091.8	1092.5
15°	1085.1	1080.3	1079.0	1078.3	1079.7
17.5°	1072.2	1063.5	1064.8	1060.8	1063.5
20°	1049.3	1046.6	1044.6	1044.6	1045.3
22.5°	1033.1	1027.1	1023.0	1023.7	1025.0
25°	1007.5	1004.1	1001.4	1001.4	1002.8
27.5°	983.2	977.8	979.9	976.5	977.8
30°	955.6	951.5	948.8	949.5	957.6
32.5°	926.6	923.2	919.8	920.5	917.8
35°	894.9	893.5	890.8	888.8	888.1
37.5°	861.8	860.5	855.8	856.4	855.8
40°	828.8	826.1	822.7	824.1	822.7
42.5°	794.4	791.0	786.3	791.0	789.0
45°	755.3	753.9	749.2	750.6	749.2
47.5°	714.2	714.8	712.8	713.5	711.5
50°	675.7	675.0	673.0	672.3	670.3
52.5°	631.9	632.6	631.2	630.5	631.2
55°	590.7	590.7	588.7	587.4	589.4
57.5°	546.2	544.9	545.6	544.2	542.9
60°	498.4	499.0	501.1	498.4	500.4
62.5°	455.2	455.9	454.5	454.5	454.5
65°	407.3	407.3	408.0	407.3	408.7
67.5°	360.8	363.5	362.8	361.5	360.8
70°	314.3	316.3	316.3	315.6	314.9
72.5°	267.7	268.4	270.4	271.1	271.1
75°	222.5	222.5	224.6	227.3	225.9
77.5°	178.7	179.4	180.7	182.1	181.4
80°	134.9	136.9	137.6	138.9	140.3
82.5°	95.1	97.1	97.8	99.1	101.2
85°	58.7	59.3	61.4	62.0	61.4
87.5°	25.0	25.6	27.6	30.3	29.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1555028

CATALOG NUMBER: 24CGTS-L3C39 3500 - LOW

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	13.3	14.9	13.7	15.3	15.6	13.3	14.9	13.6	15.2	15.6
	3H	15.1	16.6	15.5	17.0	17.3	15.1	16.6	15.5	16.9	17.3
	4H	15.8	17.2	16.2	17.6	18.0	15.8	17.3	16.2	17.6	18.0
	6H	16.4	17.7	16.8	18.0	18.4	16.4	17.7	16.8	18.1	18.4
	8H	16.5	17.8	16.9	18.2	18.6	16.6	17.8	17.0	18.2	18.6
	12H	16.6	17.8	17.1	18.2	18.6	16.7	17.9	17.1	18.3	18.7
4H	2H	13.9	15.3	14.3	15.7	16.1	13.9	15.3	14.3	15.7	16.1
	3H	16.0	17.2	16.4	17.6	18.0	16.0	17.2	16.4	17.6	18.0
	4H	16.8	17.9	17.3	18.3	18.8	16.9	17.9	17.3	18.3	18.8
	6H	17.5	18.4	17.9	18.9	19.3	17.5	18.5	18.0	18.9	19.4
	8H	17.7	18.6	18.2	19.0	19.5	17.8	18.6	18.2	19.1	19.6
	12H	17.9	18.7	18.3	19.1	19.6	17.9	18.7	18.4	19.2	19.7
8H	4H	17.2	18.0	17.6	18.5	19.0	17.2	18.1	17.6	18.5	19.0
	6H	17.9	18.7	18.4	19.2	19.6	18.0	18.7	18.5	19.2	19.7
	8H	18.2	18.9	18.8	19.4	19.9	18.3	19.0	18.8	19.5	20.0
	12H	18.5	19.1	19.0	19.6	20.1	18.6	19.1	19.1	19.6	20.2
12H	4H	17.2	18.0	17.7	18.5	18.9	17.2	18.0	17.7	18.5	19.0
	6H	18.0	18.7	18.5	19.1	19.7	18.1	18.7	18.6	19.2	19.7
	8H	18.4	19.0	18.9	19.4	20.0	18.4	19.0	18.9	19.5	20.1













(END OF REPORT)