

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: P1555009

Luminaire Tested: 14CGTS-L3C39 3500 - HIGH

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-800-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/2/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CGTS-L3C39 3500 - HIGH
Description: OPP Panel 1x4 3500 HIGH

Light Source:
Ballast/Driver: -

Summary

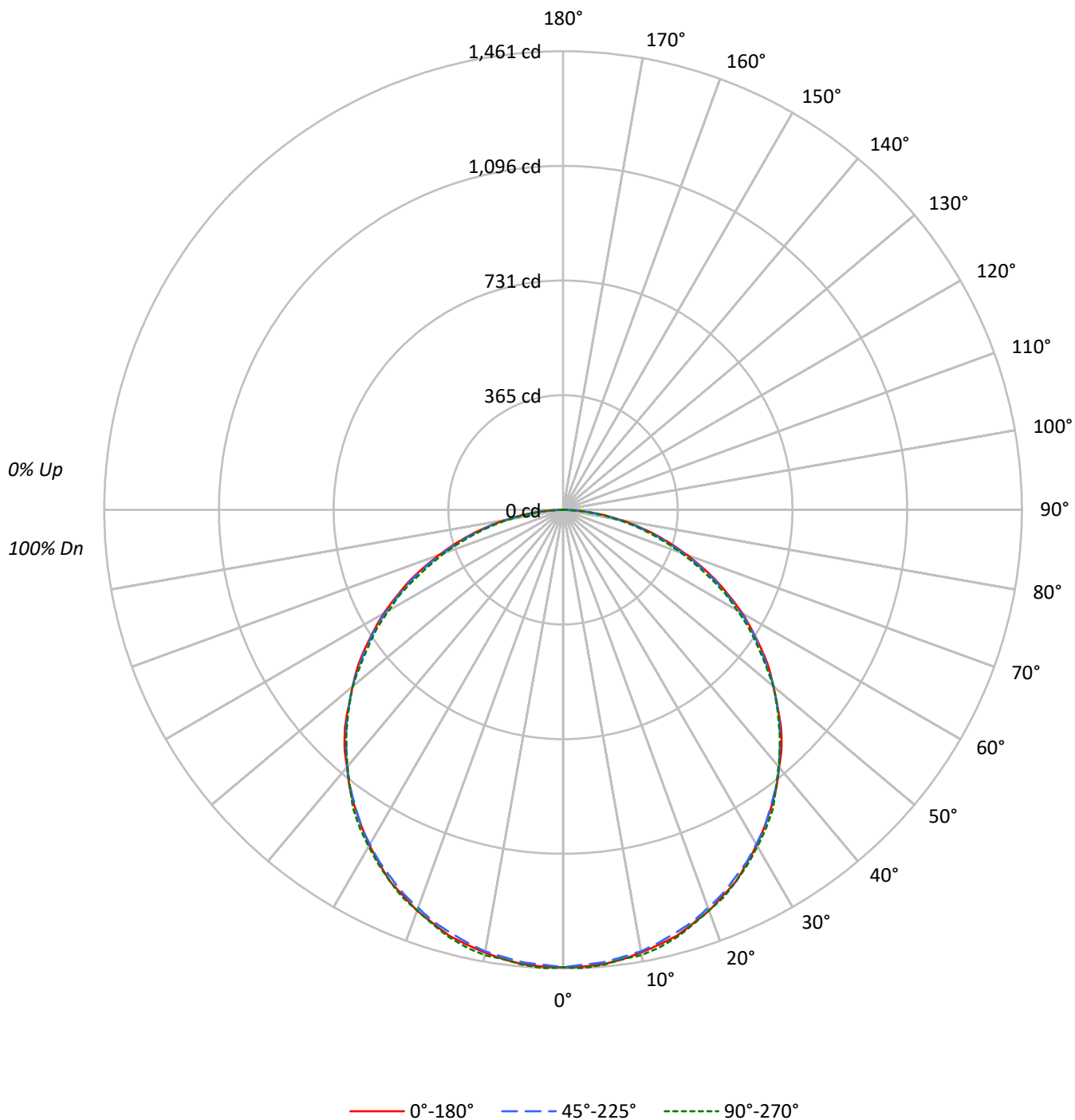
Lumens per Lamp: N/A
Luminaire Lumens: 4220.9 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.6
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.9
Total Harmonic Distortion (THDi): ≈20%
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	63	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	37	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°	3921	3921	3921
5°	3925	3909	3931
10°	3913	3902	3935
15°	3912	3881	3923
20°	3892	3863	3889
25°	3875	3842	3875
30°	3832	3822	3847
35°	3798	3788	3824
40°	3759	3759	3748
45°	3737	3714	3703
50°	3659	3663	3659
55°	3613	3589	3547
60°	3547	3514	3444
65°	3451	3407	3311
70°	3305	3249	3147
75°	3140	3046	2932
80°	2882	2805	2665
85°	2532	2408	2254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3737 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	3.3
10°-20°	395.4	9.4
20°-30°	599.8	14.2
30°-40°	723.7	17.1
40°-50°	753.1	17.8
50°-60°	684.0	16.2
60°-70°	526.4	12.5
70°-80°	310.7	7.4
80°-90°	89.8	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°	1133.2	26.8
0°-40°	1856.9	44.0
0°-60°	3294.0	78.0
0°-90°	4220.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4220.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1457	1457	1457	1457	1457	
5°	1453	1458	1447	1457	1455	138
15°	1404	1399	1393	1402	1408	396
25°	1305	1303	1294	1300	1305	600
35°	1156	1159	1153	1156	1164	723
45°	982	982	976	974	973	755
55°	770	770	765	760	756	688
65°	542	540	535	526	520	534
75°	302	301	293	287	282	319
85°	82	82	78	75	73	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1457.1	1457.1	1457.1	1457.1	1457.1
2.5°	1456.1	1459.1	1450.1	1461.1	1461.1
5°	1453.1	1458.1	1447.1	1457.1	1455.1
7.5°	1444.1	1442.1	1437.1	1449.1	1444.1
10°	1432.1	1436.1	1428.1	1439.1	1440.1
12.5°	1418.1	1418.1	1412.1	1424.1	1427.1
15°	1404.1	1399.1	1393.1	1402.1	1408.1
17.5°	1380.1	1384.1	1375.1	1382.1	1383.1
20°	1359.1	1356.1	1349.1	1361.1	1358.1
22.5°	1330.1	1333.1	1325.1	1334.1	1336.1
25°	1305.1	1303.1	1294.1	1300.1	1305.1
27.5°	1268.1	1271.1	1265.1	1274.1	1273.1
30°	1233.1	1236.1	1230.1	1234.1	1238.1
32.5°	1195.1	1200.1	1195.1	1197.1	1203.1
35°	1156.1	1159.1	1153.1	1156.1	1164.1
37.5°	1116.0	1115.0	1113.0	1114.0	1114.0
40°	1070.0	1070.0	1070.0	1070.0	1067.0
42.5°	1030.0	1030.0	1021.0	1023.0	1023.0
45°	982.0	982.0	976.0	974.0	973.0
47.5°	926.0	932.0	925.0	922.0	923.0
50°	874.0	878.0	875.0	871.0	874.0
52.5°	826.0	828.0	820.0	818.0	813.0
55°	770.0	770.0	765.0	760.0	756.0
57.5°	713.0	717.0	711.0	703.0	702.0
60°	659.0	657.0	653.0	644.0	640.0
62.5°	598.0	599.0	591.0	586.0	585.0
65°	542.0	540.0	535.0	526.0	520.0
67.5°	480.0	479.0	472.0	466.0	458.0
70°	420.0	419.0	413.0	404.0	400.0
72.5°	360.0	361.0	352.0	346.0	340.0
75°	302.0	301.0	293.0	287.0	282.0
77.5°	244.0	243.0	238.0	229.0	227.0
80°	186.0	188.0	181.0	175.0	172.0
82.5°	134.0	135.0	128.0	125.0	121.0
85°	82.0	82.0	78.0	75.0	73.0
87.5°	36.0	35.0	31.0	32.0	30.0
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	16.7	18.3	17.0	18.6	19.0	16.5	18.2	16.9	18.5	18.8
	3H	18.6	20.1	18.9	20.4	20.7	18.4	19.9	18.7	20.2	20.5
	4H	19.3	20.7	19.7	21.0	21.4	19.1	20.5	19.5	20.8	21.2
	6H	19.8	21.2	20.3	21.5	21.9	19.6	20.9	20.0	21.2	21.6
	8H	20.0	21.3	20.5	21.7	22.1	19.7	21.0	20.2	21.4	21.8
	12H	20.2	21.4	20.6	21.7	22.2	19.8	21.0	20.3	21.4	21.9
4H	2H	17.3	18.7	17.7	19.1	19.5	17.2	18.6	17.6	19.0	19.4
	3H	19.4	20.6	19.8	21.0	21.4	19.3	20.4	19.7	20.8	21.2
	4H	20.3	21.4	20.7	21.8	22.2	20.1	21.2	20.5	21.6	22.0
	6H	21.0	21.9	21.4	22.4	22.8	20.7	21.7	21.2	22.1	22.6
	8H	21.2	22.1	21.7	22.6	23.0	20.9	21.8	21.4	22.3	22.7
	12H	21.4	22.2	21.9	22.7	23.1	21.1	21.9	21.6	22.4	22.8
8H	4H	20.6	21.5	21.1	21.9	22.4	20.4	21.3	20.9	21.7	22.2
	6H	21.4	22.2	21.9	22.7	23.1	21.2	21.9	21.7	22.4	22.9
	8H	21.8	22.4	22.3	22.9	23.4	21.5	22.2	22.0	22.7	23.1
	12H	22.0	22.6	22.5	23.1	23.7	21.7	22.3	22.2	22.8	23.4
12H	4H	20.7	21.4	21.1	21.9	22.4	20.5	21.3	21.0	21.7	22.2
	6H	21.5	22.2	22.0	22.6	23.2	21.3	21.9	21.8	22.4	22.9
	8H	21.9	22.5	22.4	23.0	23.5	21.6	22.2	22.1	22.7	23.3













(END OF REPORT)