

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: P1555017

Luminaire Tested: 14CGTS-L3C39 5000- HIGH

Issue Date: 9/2/2026

Test Information

Test Method: LM-79-2019
Report Number: P1555017
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 5000- HIGH
Description: OPP Panel 1x4 5000 HIGH

Light Source:
Ballast/Driver: -

Summary

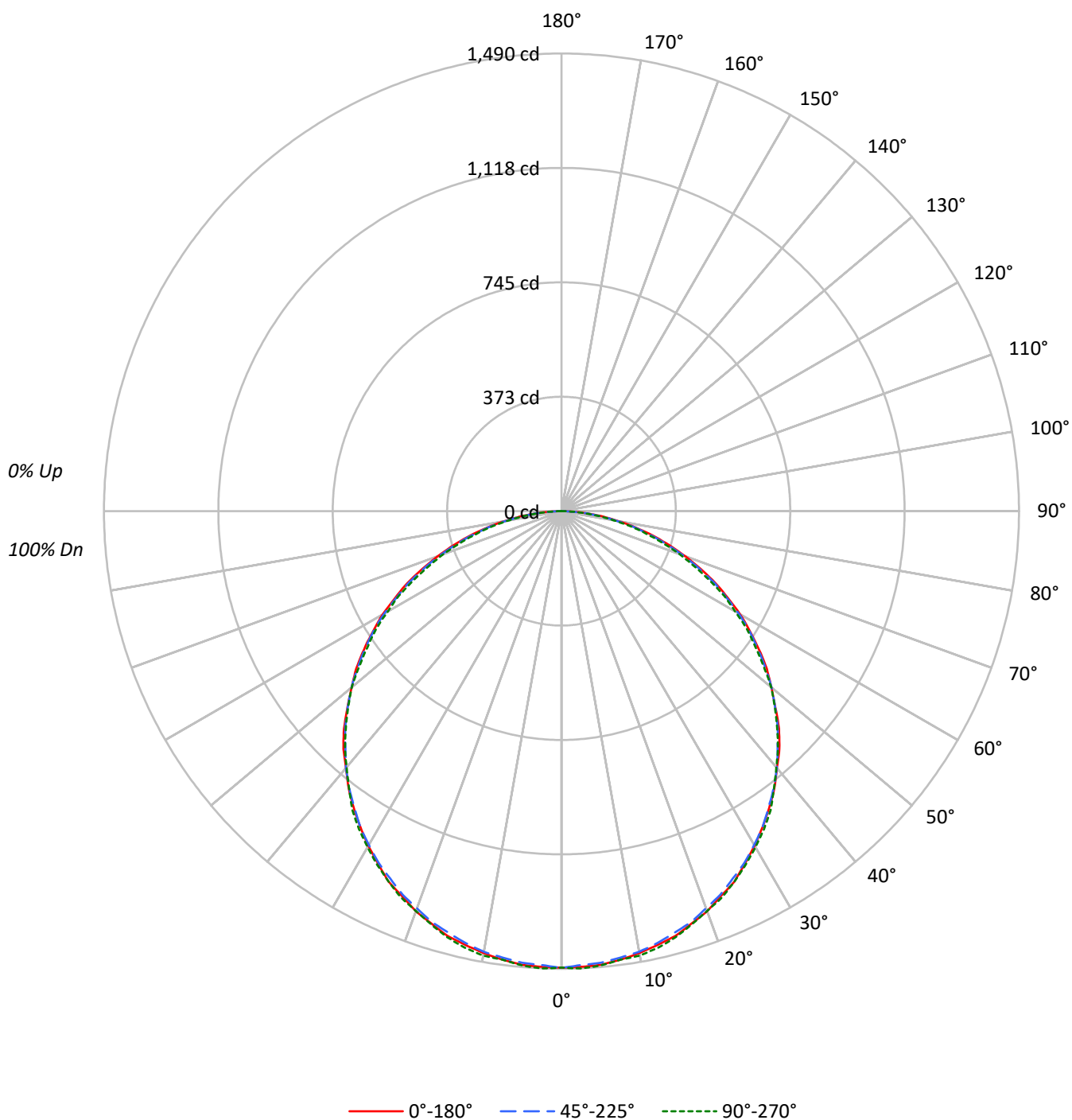
Lumens per Lamp: N/A
Luminaire Lumens: 4306.0 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.6
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
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		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°	4000	4000	4000
5°	4004	3988	4010
10°	3992	3981	4014
15°	3990	3959	4002
20°	3970	3941	3967
25°	3953	3920	3953
30°	3909	3899	3924
35°	3874	3864	3901
40°	3835	3835	3824
45°	3812	3789	3777
50°	3733	3737	3733
55°	3685	3661	3619
60°	3618	3585	3514
65°	3521	3475	3378
70°	3371	3315	3211
75°	3203	3108	2991
80°	2941	2862	2720
85°	2584	2458	2300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3812 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	3.3
10°-20°	403.4	9.4
20°-30°	611.8	14.2
30°-40°	738.3	17.1
40°-50°	768.3	17.8
50°-60°	697.8	16.2
60°-70°	537.1	12.5
70°-80°	316.9	7.4
80°-90°	91.6	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°	1156.0	26.8
0°-40°	1894.3	44.0
0°-60°	3360.4	78.0
0°-90°	4306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1486	1486	1486	1486	1486	
5°	1482	1487	1476	1486	1484	141
15°	1432	1427	1421	1430	1436	404
25°	1331	1329	1320	1326	1331	612
35°	1179	1182	1176	1179	1188	738
45°	1002	1002	996	994	993	770
55°	786	786	780	775	771	702
65°	553	551	546	537	530	545
75°	308	307	299	293	288	325
85°	84	84	80	76	74	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1486.4	1486.4	1486.4	1486.4	1486.4
2.5°	1485.4	1488.4	1479.3	1490.5	1490.5
5°	1482.3	1487.4	1476.2	1486.4	1484.4
7.5°	1473.1	1471.1	1466.0	1478.2	1473.1
10°	1460.9	1465.0	1456.8	1468.0	1469.1
12.5°	1446.6	1446.6	1440.5	1452.7	1455.8
15°	1432.3	1427.2	1421.1	1430.3	1436.4
17.5°	1407.9	1411.9	1402.8	1409.9	1410.9
20°	1386.4	1383.4	1376.2	1388.5	1385.4
22.5°	1356.8	1359.9	1351.7	1360.9	1363.0
25°	1331.3	1329.3	1320.1	1326.2	1331.3
27.5°	1293.6	1296.7	1290.5	1299.7	1298.7
30°	1257.9	1260.9	1254.8	1258.9	1263.0
32.5°	1219.1	1224.2	1219.1	1221.2	1227.3
35°	1179.3	1182.4	1176.3	1179.3	1187.5
37.5°	1138.5	1137.5	1135.5	1136.5	1136.5
40°	1091.6	1091.6	1091.6	1091.6	1088.5
42.5°	1050.8	1050.8	1041.6	1043.6	1043.6
45°	1001.8	1001.8	995.7	993.7	992.6
47.5°	944.7	950.8	943.7	940.6	941.6
50°	891.6	895.7	892.7	888.6	891.6
52.5°	842.7	844.7	836.5	834.5	829.4
55°	785.5	785.5	780.4	775.3	771.3
57.5°	727.4	731.5	725.3	717.2	716.2
60°	672.3	670.3	666.2	657.0	652.9
62.5°	610.1	611.1	602.9	597.8	596.8
65°	552.9	550.9	545.8	536.6	530.5
67.5°	489.7	488.7	481.5	475.4	467.2
70°	428.5	427.5	421.3	412.2	408.1
72.5°	367.3	368.3	359.1	353.0	346.9
75°	308.1	307.1	298.9	292.8	287.7
77.5°	248.9	247.9	242.8	233.6	231.6
80°	189.8	191.8	184.7	178.5	175.5
82.5°	136.7	137.7	130.6	127.5	123.4
85°	83.7	83.7	79.6	76.5	74.5
87.5°	36.7	35.7	31.6	32.6	30.6
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	16.8	18.4	17.1	18.7	19.0	16.6	18.3	17.0	18.6	18.9
	3H	18.6	20.1	19.0	20.5	20.8	18.4	19.9	18.8	20.3	20.6
	4H	19.4	20.8	19.8	21.1	21.5	19.1	20.5	19.5	20.9	21.3
	6H	19.9	21.2	20.3	21.6	22.0	19.6	20.9	20.0	21.3	21.7
	8H	20.1	21.4	20.5	21.7	22.1	19.8	21.1	20.2	21.4	21.8
	12H	20.2	21.4	20.7	21.8	22.2	19.9	21.1	20.3	21.5	21.9
4H	2H	17.4	18.8	17.8	19.2	19.5	17.3	18.7	17.7	19.0	19.4
	3H	19.5	20.7	19.9	21.1	21.5	19.3	20.5	19.7	20.9	21.3
	4H	20.4	21.4	20.8	21.8	22.3	20.1	21.2	20.6	21.6	22.1
	6H	21.1	22.0	21.5	22.4	22.9	20.8	21.7	21.2	22.2	22.6
	8H	21.3	22.2	21.8	22.6	23.1	21.0	21.9	21.5	22.3	22.8
	12H	21.5	22.3	22.0	22.7	23.2	21.2	22.0	21.6	22.4	22.9
8H	4H	20.7	21.6	21.1	22.0	22.5	20.5	21.4	21.0	21.8	22.3
	6H	21.5	22.2	22.0	22.7	23.2	21.3	22.0	21.8	22.5	23.0
	8H	21.8	22.5	22.3	23.0	23.5	21.6	22.2	22.1	22.7	23.2
	12H	22.1	22.7	22.6	23.2	23.7	21.8	22.4	22.3	22.9	23.4
12H	4H	20.7	21.5	21.2	22.0	22.5	20.5	21.3	21.0	21.8	22.3
	6H	21.6	22.2	22.1	22.7	23.2	21.4	22.0	21.9	22.5	23.0
	8H	22.0	22.5	22.5	23.0	23.6	21.7	22.3	22.2	22.8	23.3















(END OF REPORT)