

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1053666

Luminaire Tested: 22CGTS-L3C3-4000K-MEDIUM

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-301-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/22/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTS-L3C3-4000K-MEDIUM
Description: 2x2 Selectable Lumens and CCT LED Backlit Panel at 4000K CCT and MEDIUM lumen settings
Light Source: -
Ballast/Driver: -

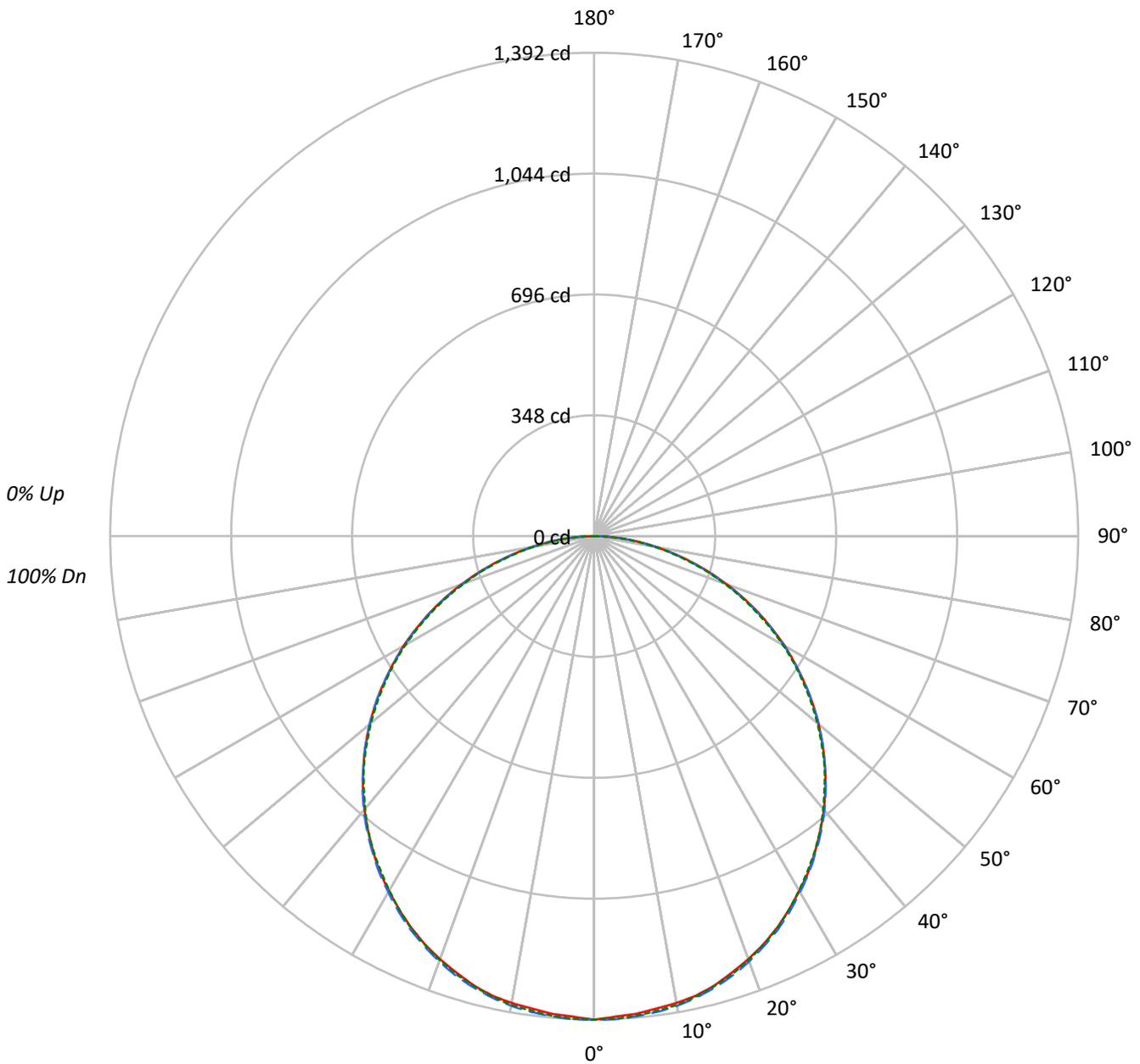
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4072.0 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.81' x L: 1.81' x H: 0')
CIE Type: Direct

Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	71	71	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	51	51	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	45	45	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	39	39	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	35	35	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	31	31	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4562	4562	4562
5°	4542	4566	4561
10°	4542	4570	4561
15°	4543	4562	4548
20°	4520	4545	4530
25°	4499	4520	4504
30°	4464	4480	4459
35°	4432	4444	4427
40°	4396	4408	4384
45°	4350	4350	4343
50°	4295	4295	4273
55°	4223	4223	4190
60°	4148	4139	4111
65°	4040	4018	3984
70°	3891	3850	3809
75°	3689	3635	3580
80°	3466	3413	3332
85°	3184	3184	3023

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4370 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	3.2
10°-20°	379.0	9.3
20°-30°	574.9	14.1
30°-40°	694.4	17.1
40°-50°	723.9	17.8
50°-60°	659.7	16.2
60°-70°	511.2	12.6
70°-80°	304.2	7.5
80°-90°	92.7	2.3
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°	1085.9	26.7
0°-40°	1780.2	43.7
0°-60°	3163.9	77.7
0°-90°	4072.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4072.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1392	1392	1392	1392	1392	
5°	1381	1388	1388	1388	1387	131
15°	1339	1345	1345	1344	1341	378
25°	1244	1250	1250	1246	1246	573
35°	1108	1114	1111	1108	1107	693
45°	939	943	939	934	937	724
55°	739	742	739	734	734	661
65°	521	521	518	511	514	515
75°	291	291	287	280	283	309
85°	85	85	85	78	80	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1392.4	1392.4	1392.4	1392.4	1392.4
2.5°	1385.2	1393.8	1392.4	1390.9	1390.9
5°	1380.9	1388.1	1388.1	1388.1	1386.6
7.5°	1372.3	1382.3	1382.3	1379.4	1378.0
10°	1365.1	1373.7	1373.7	1372.3	1370.8
12.5°	1355.0	1360.8	1360.8	1359.3	1357.9
15°	1339.2	1345.0	1345.0	1343.6	1340.7
17.5°	1317.7	1326.3	1326.3	1322.0	1322.0
20°	1296.2	1304.8	1303.4	1300.5	1299.1
22.5°	1271.8	1279.0	1277.5	1274.7	1273.2
25°	1244.5	1250.3	1250.3	1245.9	1245.9
27.5°	1212.9	1220.1	1218.7	1214.4	1212.9
30°	1179.9	1185.7	1184.2	1179.9	1178.5
32.5°	1146.9	1151.2	1149.8	1144.0	1142.6
35°	1108.1	1113.9	1111.0	1108.1	1106.7
37.5°	1068.0	1073.7	1072.3	1068.0	1068.0
40°	1027.8	1030.6	1030.6	1024.9	1024.9
42.5°	984.7	989.0	986.1	980.4	980.4
45°	938.8	943.1	938.8	934.5	937.3
47.5°	891.4	895.7	892.8	887.1	887.1
50°	842.6	845.5	842.6	838.3	838.3
52.5°	792.4	796.7	792.4	788.0	786.6
55°	739.2	742.1	739.2	733.5	733.5
57.5°	686.1	689.0	684.7	679.0	681.8
60°	633.0	634.5	631.6	624.4	627.3
62.5°	577.0	578.5	574.2	568.4	569.9
65°	521.1	521.1	518.2	511.0	513.9
67.5°	463.6	463.6	460.8	453.6	456.5
70°	406.2	406.2	401.9	396.2	397.6
72.5°	348.8	348.8	344.5	338.8	341.6
75°	291.4	291.4	287.1	279.9	282.8
77.5°	236.8	236.8	234.0	225.4	228.2
80°	183.7	185.2	180.9	172.3	176.6
82.5°	132.1	132.1	132.1	124.9	126.3
85°	84.7	84.7	84.7	77.5	80.4
87.5°	40.2	40.2	40.2	37.3	37.3
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	17.21	18.87	17.58	19.18	19.50	17.12	18.78	17.49	19.09	19.41
	3H	19.11	20.61	19.49	20.94	21.30	18.99	20.50	19.37	20.82	21.18
	4H	19.84	21.26	20.24	21.60	21.98	19.71	21.12	20.10	21.47	21.84
	6H	20.41	21.72	20.82	22.09	22.48	20.25	21.56	20.66	21.93	22.32
	8H	20.61	21.86	21.03	22.25	22.65	20.44	21.69	20.86	22.08	22.48
	12H	20.75	21.95	21.18	22.33	22.76	20.57	21.77	21.00	22.16	22.58
4H	2H	17.87	19.28	18.27	19.63	20.01	17.80	19.21	18.19	19.56	19.93
	3H	19.99	21.18	20.40	21.58	21.97	19.89	21.08	20.30	21.47	21.87
	4H	20.86	21.93	21.29	22.35	22.78	20.72	21.80	21.15	22.21	22.65
	6H	21.57	22.51	22.02	22.95	23.40	21.39	22.34	21.85	22.78	23.23
	8H	21.82	22.70	22.28	23.14	23.61	21.63	22.52	22.09	22.96	23.42
	12H	22.01	22.81	22.49	23.28	23.75	21.82	22.61	22.30	23.09	23.56
8H	4H	21.19	22.08	21.65	22.52	22.98	21.07	21.96	21.53	22.40	22.86
	6H	22.04	22.78	22.53	23.26	23.74	21.87	22.61	22.37	23.10	23.57
	8H	22.38	23.04	22.88	23.54	24.03	22.19	22.86	22.70	23.36	23.85
	12H	22.66	23.25	23.16	23.74	24.29	22.46	23.04	22.96	23.53	24.09
12H	4H	21.23	22.03	21.71	22.50	22.97	21.12	21.92	21.60	22.39	22.86
	6H	22.11	22.77	22.61	23.28	23.76	21.95	22.62	22.46	23.12	23.61
	8H	22.51	23.10	23.01	23.59	24.14	22.33	22.92	22.84	23.41	23.97