

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: P1053660

Luminaire Tested: 14CGTS-L3C3-5000K-MEDIUM

Issue Date: 7/22/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1053660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-301-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/22/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CGTS-L3C3-5000K-MEDIUM  
Description: 1x4 Selectable Lumens and CCT LED Backlit Panel at 5000K CCT and MEDIUM lumen settings  
Light Source: -  
Ballast/Driver: -

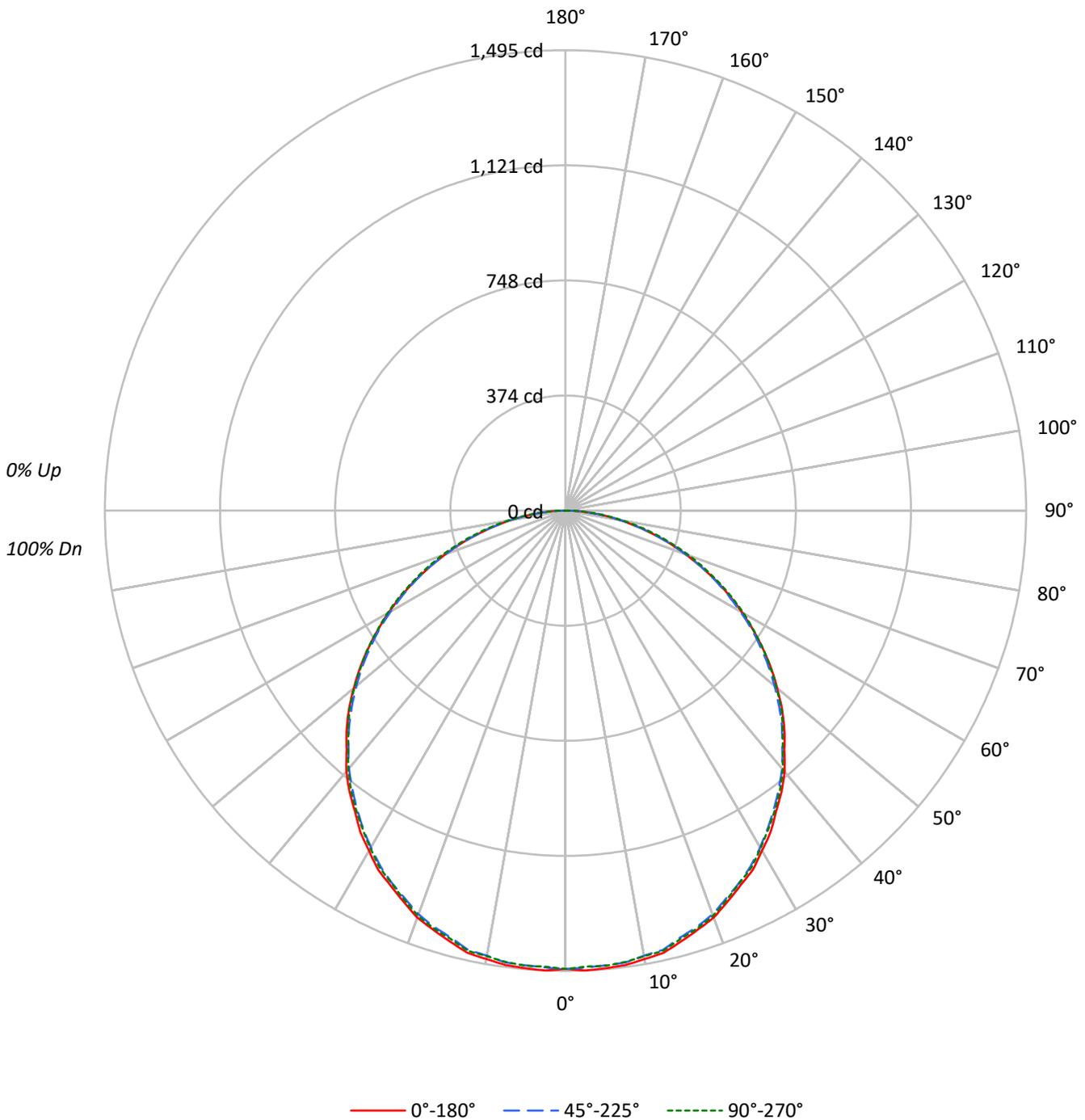
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4328.0 lumens  
Efficiency: N/A  
Efficacy: 149.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.37  
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')  
CIE Type: Direct

Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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





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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	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	62	56	52	52	52	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	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	49	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°	5206	5206	5206
5°	5237	5203	5209
10°	5252	5211	5217
15°	5243	5197	5214
20°	5234	5192	5210
25°	5184	5147	5153
30°	5151	5099	5112
35°	5088	5040	5061
40°	5051	4992	5006
45°	4969	4913	4929
50°	4879	4817	4861
55°	4769	4710	4779
60°	4636	4579	4670
65°	4470	4431	4524
70°	4238	4238	4370
75°	3966	3988	4140
80°	3670	3670	3865
85°	3298	3234	3559

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 4977 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.6	3.3
10°-20°	407.7	9.4
20°-30°	617.5	14.3
30°-40°	743.3	17.2
40°-50°	771.1	17.8
50°-60°	697.3	16.1
60°-70°	535.8	12.4
70°-80°	318.1	7.3
80°-90°	95.7	2.2
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°	1166.7	27.0
0°-40°	1910.0	44.1
0°-60°	3378.4	78.1
0°-90°	4328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4328.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1488	1488	1488	1488	1488	
5°	1492	1492	1482	1485	1484	142
15°	1448	1447	1435	1443	1440	409
25°	1343	1343	1334	1338	1335	620
35°	1192	1192	1180	1187	1185	747
45°	1005	1006	993	1000	997	774
55°	782	784	772	780	784	699
65°	540	544	535	544	547	533
75°	294	300	295	305	306	312
85°	82	84	81	87	89	93
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1488.5	1488.5	1488.5	1488.5	1488.5
2.5°	1495.0	1495.0	1485.3	1488.5	1482.1
5°	1491.7	1491.7	1482.1	1485.3	1483.7
7.5°	1488.5	1490.1	1480.4	1482.1	1478.8
10°	1478.8	1477.2	1467.5	1472.4	1469.2
12.5°	1470.8	1469.2	1461.1	1465.9	1464.3
15°	1448.2	1446.6	1435.3	1443.4	1440.1
17.5°	1427.2	1427.2	1417.5	1422.4	1422.4
20°	1406.3	1404.6	1395.0	1401.4	1399.8
22.5°	1374.0	1374.0	1362.7	1367.6	1367.6
25°	1343.4	1343.4	1333.7	1338.5	1335.3
27.5°	1315.9	1314.3	1301.4	1307.9	1306.3
30°	1275.6	1274.0	1262.7	1269.2	1266.0
32.5°	1238.5	1233.7	1222.4	1228.9	1225.6
35°	1191.8	1191.8	1180.5	1186.9	1185.3
37.5°	1151.5	1151.5	1136.9	1145.0	1143.4
40°	1106.3	1106.3	1093.4	1098.2	1096.6
42.5°	1051.5	1054.7	1041.8	1048.2	1043.4
45°	1004.7	1006.3	993.4	999.9	996.6
47.5°	953.1	954.7	940.2	949.9	949.9
50°	896.7	899.9	885.4	893.4	893.4
52.5°	841.8	843.4	830.5	838.6	838.6
55°	782.2	783.8	772.5	780.5	783.8
57.5°	722.5	725.7	716.0	722.5	724.1
60°	662.8	664.4	654.7	664.4	667.7
62.5°	601.5	603.1	595.1	604.8	608.0
65°	540.2	543.5	535.4	543.5	546.7
67.5°	475.7	482.2	475.7	483.8	487.0
70°	414.5	422.5	414.5	422.5	427.4
72.5°	354.8	361.2	356.4	366.1	367.7
75°	293.5	300.0	295.1	304.8	306.4
77.5°	237.1	241.9	237.1	245.1	248.4
80°	182.2	185.5	182.2	190.3	191.9
82.5°	129.0	133.9	130.6	137.1	138.7
85°	82.2	83.9	80.6	87.1	88.7
87.5°	38.7	40.3	37.1	43.5	43.5
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	17.59	19.24	17.96	19.56	19.87	17.57	19.22	17.94	19.54	19.85
	3H	19.43	20.92	19.80	21.25	21.61	19.46	20.95	19.84	21.28	21.64
	4H	20.12	21.53	20.52	21.88	22.26	20.19	21.60	20.59	21.95	22.33
	6H	20.65	21.96	21.07	22.33	22.72	20.76	22.07	21.17	22.43	22.82
	8H	20.83	22.08	21.26	22.47	22.87	20.95	22.20	21.38	22.59	22.99
	12H	20.96	22.16	21.39	22.54	22.97	21.09	22.29	21.52	22.67	23.10
4H	2H	18.22	19.63	18.62	19.98	20.35	18.20	19.61	18.60	19.96	20.34
	3H	20.29	21.48	20.70	21.87	22.27	20.32	21.50	20.73	21.90	22.30
	4H	21.13	22.20	21.56	22.61	23.05	21.19	22.26	21.62	22.68	23.11
	6H	21.80	22.74	22.25	23.18	23.63	21.89	22.83	22.34	23.27	23.73
	8H	22.03	22.91	22.49	23.35	23.81	22.14	23.02	22.60	23.46	23.93
	12H	22.20	23.00	22.68	23.47	23.94	22.34	23.13	22.82	23.60	24.07
8H	4H	21.46	22.34	21.92	22.78	23.25	21.51	22.39	21.97	22.84	23.30
	6H	22.26	22.99	22.75	23.48	23.95	22.35	23.08	22.84	23.57	24.04
	8H	22.57	23.23	23.08	23.74	24.22	22.68	23.34	23.19	23.85	24.33
	12H	22.83	23.42	23.34	23.91	24.47	22.96	23.55	23.47	24.04	24.60
12H	4H	21.50	22.30	21.98	22.77	23.24	21.55	22.35	22.03	22.82	23.29
	6H	22.33	22.99	22.83	23.49	23.98	22.41	23.07	22.92	23.58	24.06
	8H	22.70	23.29	23.21	23.78	24.34	22.81	23.39	23.31	23.88	24.44