

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: P1053665

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

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053665
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-LOW
Description: 2x2 Selectable Lumens and CCT LED Backlit Panel at 4000K CCT and LOW lumen settings
Light Source: -
Ballast/Driver: -

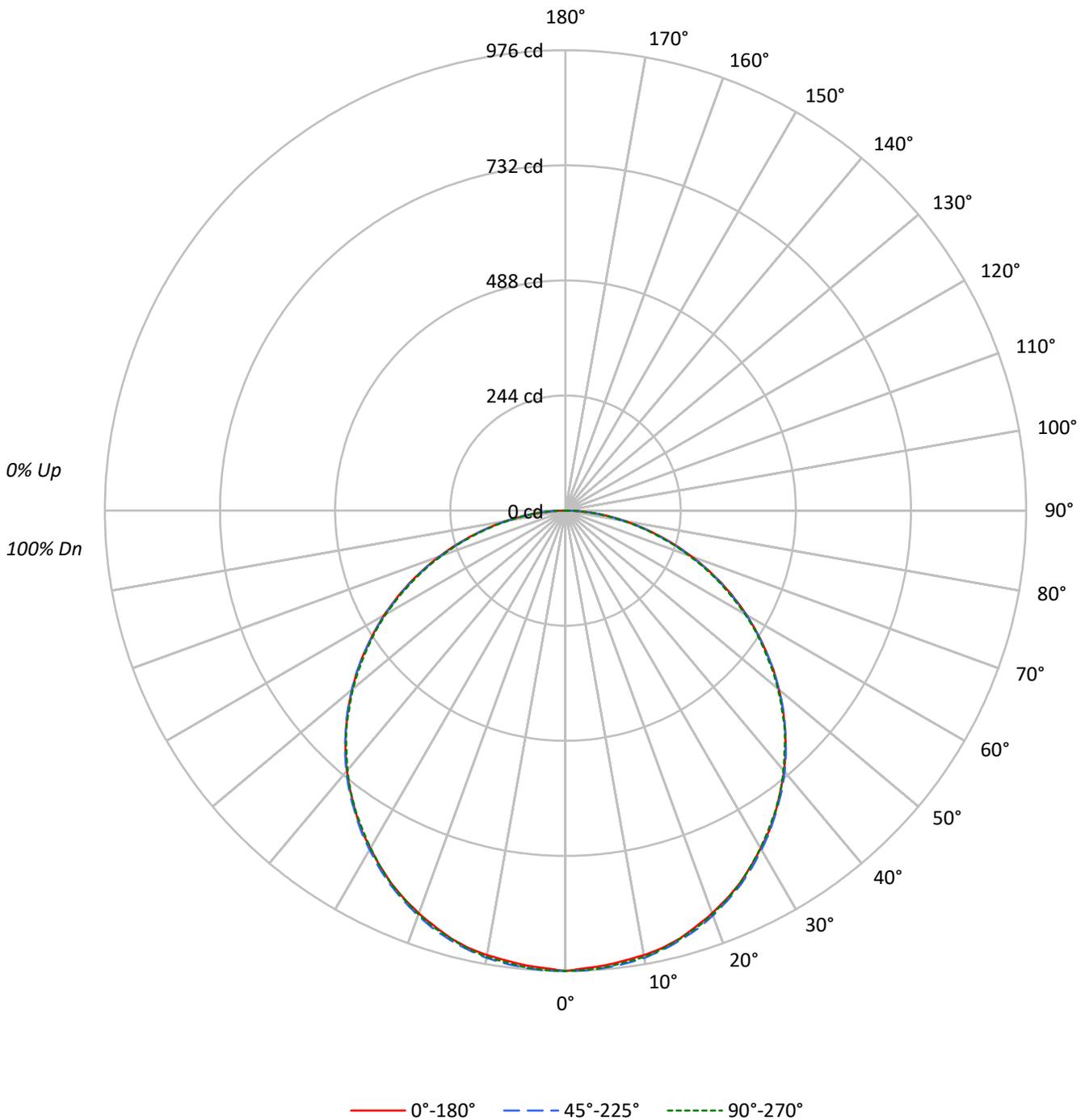
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2854.0 lumens
Efficiency: N/A
Efficacy: 154.3 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): 18.5
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

TEST NUMBER: P1053665
CATALOG NUMBER: 22CGTS-L3C3-4000K-LOW

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	103	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°	3198	3198	3198
5°	3183	3200	3197
10°	3183	3203	3197
15°	3184	3198	3188
20°	3168	3185	3175
25°	3154	3168	3157
30°	3129	3140	3125
35°	3107	3115	3103
40°	3081	3090	3072
45°	3049	3049	3044
50°	3011	3011	2995
55°	2960	2960	2937
60°	2908	2901	2881
65°	2831	2816	2793
70°	2727	2699	2670
75°	2585	2547	2509
80°	2430	2393	2334
85°	2233	2233	2117

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3063 cd/sqm



TEST NUMBER: P1053665
 CATALOG NUMBER: 22CGTS-L3C3-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.2
10°-20°	265.7	9.3
20°-30°	403.0	14.1
30°-40°	486.7	17.1
40°-50°	507.4	17.8
50°-60°	462.4	16.2
60°-70°	358.3	12.6
70°-80°	213.2	7.5
80°-90°	65.0	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°	761.1	26.7
0°-40°	1247.7	43.7
0°-60°	2217.5	77.7
0°-90°	2854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2854.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	968	973	973	973	972	92
15°	939	943	943	942	940	265
25°	872	876	876	873	873	402
35°	777	781	779	777	776	486
45°	658	661	658	655	657	508
55°	518	520	518	514	514	463
65°	365	365	363	358	360	361
75°	204	204	201	196	198	217
85°	59	59	59	54	56	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	975.9	975.9	975.9	975.9	975.9
2.5°	970.9	976.9	975.9	974.9	974.9
5°	967.8	972.9	972.9	972.9	971.9
7.5°	961.8	968.8	968.8	966.8	965.8
10°	956.8	962.8	962.8	961.8	960.8
12.5°	949.7	953.7	953.7	952.7	951.7
15°	938.7	942.7	942.7	941.7	939.7
17.5°	923.6	929.6	929.6	926.6	926.6
20°	908.5	914.5	913.5	911.5	910.5
22.5°	891.4	896.4	895.4	893.4	892.4
25°	872.3	876.3	876.3	873.3	873.3
27.5°	850.1	855.2	854.1	851.1	850.1
30°	827.0	831.0	830.0	827.0	826.0
32.5°	803.8	806.9	805.9	801.8	800.8
35°	776.7	780.7	778.7	776.7	775.7
37.5°	748.5	752.5	751.5	748.5	748.5
40°	720.3	722.4	722.4	718.3	718.3
42.5°	690.2	693.2	691.2	687.1	687.1
45°	658.0	661.0	658.0	654.9	657.0
47.5°	624.8	627.8	625.8	621.7	621.7
50°	590.6	592.6	590.6	587.5	587.5
52.5°	555.3	558.4	555.3	552.3	551.3
55°	518.1	520.1	518.1	514.1	514.1
57.5°	480.9	482.9	479.9	475.9	477.9
60°	443.7	444.7	442.7	437.6	439.6
62.5°	404.4	405.4	402.4	398.4	399.4
65°	365.2	365.2	363.2	358.2	360.2
67.5°	325.0	325.0	322.9	317.9	319.9
70°	284.7	284.7	281.7	277.7	278.7
72.5°	244.5	244.5	241.5	237.4	239.4
75°	204.2	204.2	201.2	196.2	198.2
77.5°	166.0	166.0	164.0	158.0	160.0
80°	128.8	129.8	126.8	120.7	123.7
82.5°	92.6	92.6	92.6	87.5	88.5
85°	59.4	59.4	59.4	54.3	56.3
87.5°	28.2	28.2	28.2	26.2	26.2
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	15.98	17.63	16.34	17.95	18.26	15.89	17.54	16.25	17.86	18.17
	3H	17.87	19.38	18.25	19.70	20.06	17.76	19.26	18.14	19.59	19.95
	4H	18.61	20.02	19.00	20.37	20.74	18.47	19.89	18.87	20.24	20.61
	6H	19.18	20.49	19.59	20.85	21.24	19.02	20.33	19.43	20.69	21.08
	8H	19.37	20.63	19.80	21.02	21.41	19.20	20.46	19.63	20.85	21.24
	12H	19.51	20.72	19.94	21.10	21.53	19.33	20.54	19.76	20.92	21.35
4H	2H	16.63	18.05	17.03	18.40	18.77	16.56	17.98	16.96	18.32	18.70
	3H	18.75	19.94	19.16	20.34	20.74	18.65	19.84	19.06	20.24	20.64
	4H	19.62	20.70	20.05	21.11	21.55	19.49	20.57	19.92	20.98	21.41
	6H	20.33	21.28	20.78	21.72	22.17	20.16	21.10	20.61	21.54	22.00
	8H	20.58	21.47	21.04	21.91	22.37	20.40	21.28	20.86	21.72	22.19
	12H	20.78	21.58	21.26	22.05	22.52	20.58	21.38	21.06	21.85	22.32
8H	4H	19.96	20.84	20.41	21.28	21.75	19.84	20.72	20.30	21.17	21.63
	6H	20.80	21.54	21.30	22.03	22.50	20.64	21.38	21.13	21.87	22.34
	8H	21.14	21.80	21.65	22.31	22.79	20.96	21.62	21.46	22.13	22.61
	12H	21.42	22.01	21.93	22.50	23.06	21.22	21.81	21.73	22.30	22.86
12H	4H	20.00	20.79	20.47	21.27	21.74	19.89	20.68	20.37	21.16	21.63
	6H	20.87	21.54	21.38	22.04	22.53	20.72	21.38	21.22	21.89	22.37
	8H	21.27	21.86	21.78	22.35	22.91	21.10	21.69	21.60	22.18	22.73