

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: P1053659

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

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053659
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-LOW
Description: 1x4 Selectable Lumens and CCT LED Backlit Panel at 5000K CCT and LOW lumen settings
Light Source: -
Ballast/Driver: -

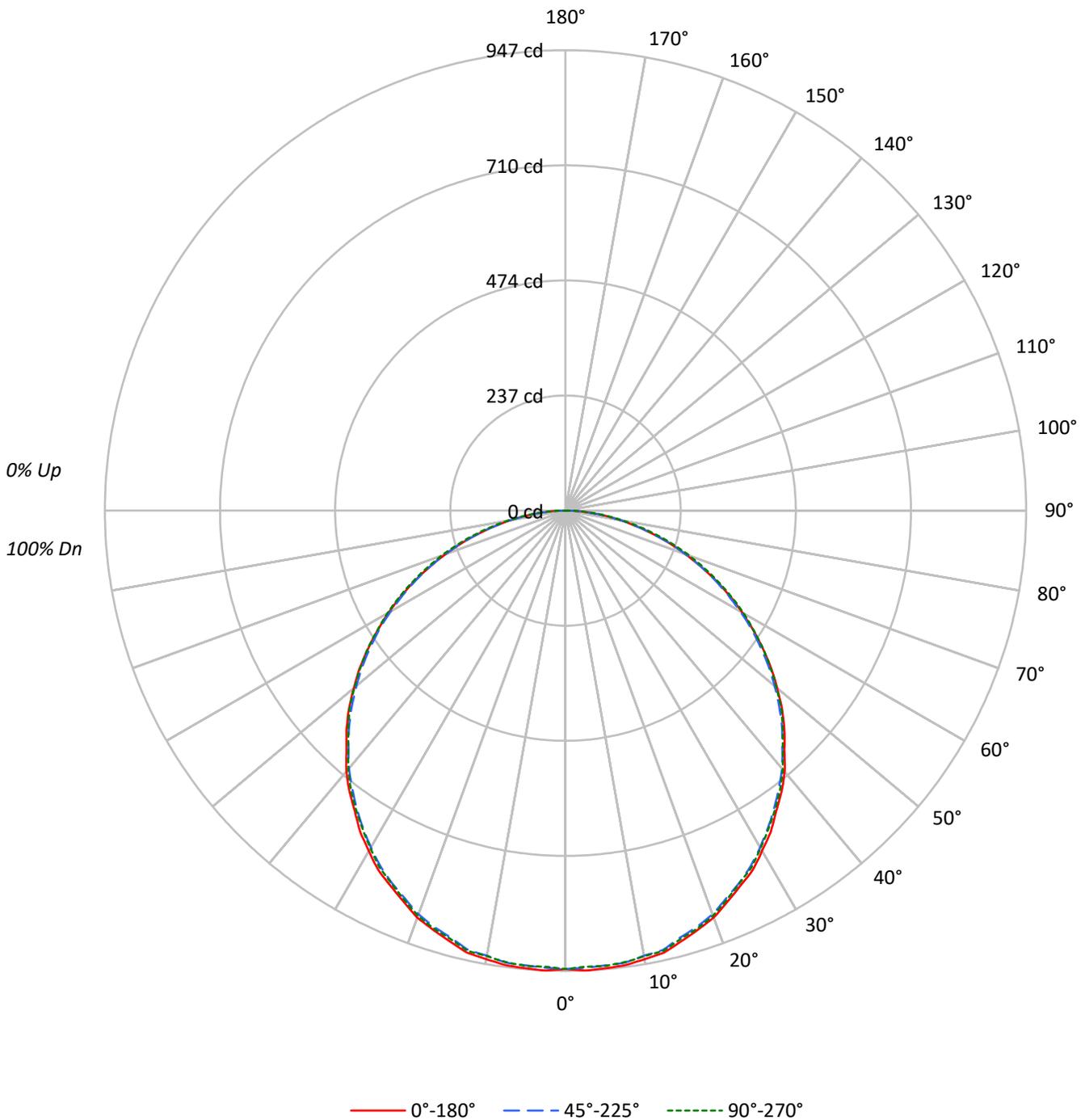
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2742.0 lumens
Efficiency: N/A
Efficacy: 135.1 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): 20.3
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





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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	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°	3298	3298	3298
5°	3318	3296	3300
10°	3327	3302	3305
15°	3322	3292	3303
20°	3316	3289	3300
25°	3284	3261	3265
30°	3264	3231	3239
35°	3223	3193	3206
40°	3200	3162	3172
45°	3148	3113	3123
50°	3091	3052	3079
55°	3021	2984	3028
60°	2937	2901	2959
65°	2833	2807	2867
70°	2685	2685	2769
75°	2513	2527	2623
80°	2326	2326	2449
85°	2091	2050	2255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3153 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	3.3
10°-20°	258.3	9.4
20°-30°	391.2	14.3
30°-40°	470.9	17.2
40°-50°	488.5	17.8
50°-60°	441.8	16.1
60°-70°	339.5	12.4
70°-80°	201.5	7.3
80°-90°	60.6	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°	739.2	27.0
0°-40°	1210.1	44.1
0°-60°	2140.4	78.1
0°-90°	2742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	943	943	943	943	943	
5°	945	945	939	941	940	90
15°	918	916	909	914	912	259
25°	851	851	845	848	846	393
35°	755	755	748	752	751	474
45°	636	638	629	634	631	491
55°	496	497	489	494	497	443
65°	342	344	339	344	346	338
75°	186	190	187	193	194	198
85°	52	53	51	55	56	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	943.0	943.0	943.0	943.0	943.0
2.5°	947.1	947.1	941.0	943.0	939.0
5°	945.1	945.1	939.0	941.0	940.0
7.5°	943.0	944.1	937.9	939.0	936.9
10°	936.9	935.9	929.8	932.8	930.8
12.5°	931.8	930.8	925.7	928.7	927.7
15°	917.5	916.5	909.3	914.4	912.4
17.5°	904.2	904.2	898.1	901.2	901.2
20°	890.9	889.9	883.8	887.9	886.8
22.5°	870.5	870.5	863.3	866.4	866.4
25°	851.1	851.1	845.0	848.0	846.0
27.5°	833.7	832.7	824.5	828.6	827.6
30°	808.2	807.2	800.0	804.1	802.0
32.5°	784.7	781.6	774.5	778.5	776.5
35°	755.0	755.0	747.9	752.0	751.0
37.5°	729.5	729.5	720.3	725.4	724.4
40°	700.9	700.9	692.7	695.8	694.8
42.5°	666.2	668.2	660.0	664.1	661.0
45°	636.5	637.5	629.4	633.5	631.4
47.5°	603.8	604.9	595.7	601.8	601.8
50°	568.1	570.1	560.9	566.0	566.0
52.5°	533.3	534.4	526.2	531.3	531.3
55°	495.5	496.6	489.4	494.5	496.6
57.5°	457.7	459.8	453.6	457.7	458.7
60°	419.9	420.9	414.8	420.9	423.0
62.5°	381.1	382.1	377.0	383.1	385.2
65°	342.3	344.3	339.2	344.3	346.4
67.5°	301.4	305.5	301.4	306.5	308.6
70°	262.6	267.7	262.6	267.7	270.8
72.5°	224.8	228.9	225.8	231.9	233.0
75°	186.0	190.0	187.0	193.1	194.1
77.5°	150.2	153.3	150.2	155.3	157.3
80°	115.5	117.5	115.5	120.6	121.6
82.5°	81.7	84.8	82.8	86.8	87.9
85°	52.1	53.1	51.1	55.2	56.2
87.5°	24.5	25.5	23.5	27.6	27.6
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	16.01	17.66	16.37	17.97	18.29	15.99	17.64	16.35	17.95	18.27
	3H	17.84	19.34	18.22	19.66	20.02	17.87	19.37	18.25	19.69	20.05
	4H	18.54	19.95	18.94	20.30	20.67	18.61	20.02	19.01	20.36	20.74
	6H	19.07	20.38	19.48	20.74	21.13	19.17	20.48	19.58	20.84	21.23
	8H	19.25	20.50	19.67	20.89	21.28	19.37	20.62	19.79	21.01	21.40
	12H	19.37	20.57	19.80	20.95	21.38	19.51	20.71	19.94	21.09	21.52
4H	2H	16.63	18.04	17.03	18.39	18.77	16.62	18.03	17.01	18.37	18.75
	3H	18.71	19.89	19.11	20.29	20.69	18.73	19.92	19.14	20.31	20.71
	4H	19.54	20.62	19.97	21.03	21.46	19.60	20.68	20.03	21.09	21.53
	6H	20.21	21.15	20.66	21.59	22.05	20.31	21.25	20.76	21.69	22.14
	8H	20.44	21.32	20.90	21.76	22.23	20.56	21.44	21.01	21.88	22.34
	12H	20.62	21.41	21.10	21.88	22.35	20.75	21.54	21.23	22.02	22.49
8H	4H	19.87	20.75	20.33	21.20	21.66	19.93	20.81	20.39	21.25	21.71
	6H	20.67	21.41	21.17	21.90	22.37	20.76	21.50	21.25	21.98	22.46
	8H	20.99	21.65	21.50	22.15	22.64	21.10	21.75	21.60	22.26	22.74
	12H	21.25	21.83	21.75	22.32	22.88	21.38	21.96	21.88	22.45	23.01
12H	4H	19.92	20.71	20.40	21.18	21.65	19.97	20.76	20.45	21.24	21.70
	6H	20.74	21.40	21.25	21.91	22.39	20.82	21.49	21.33	21.99	22.48
	8H	21.12	21.70	21.62	22.19	22.75	21.22	21.80	21.73	22.29	22.85