

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: P1053653

Luminaire Tested: 14CGTS-L3C3-3500K-LOW

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053653
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-L3C3-3500K-LOW
Description: 1x4 Selectable Lumens and CCT LED Backlit Panel at 3500K CCT and LOW lumen settings
Light Source: -
Ballast/Driver: -

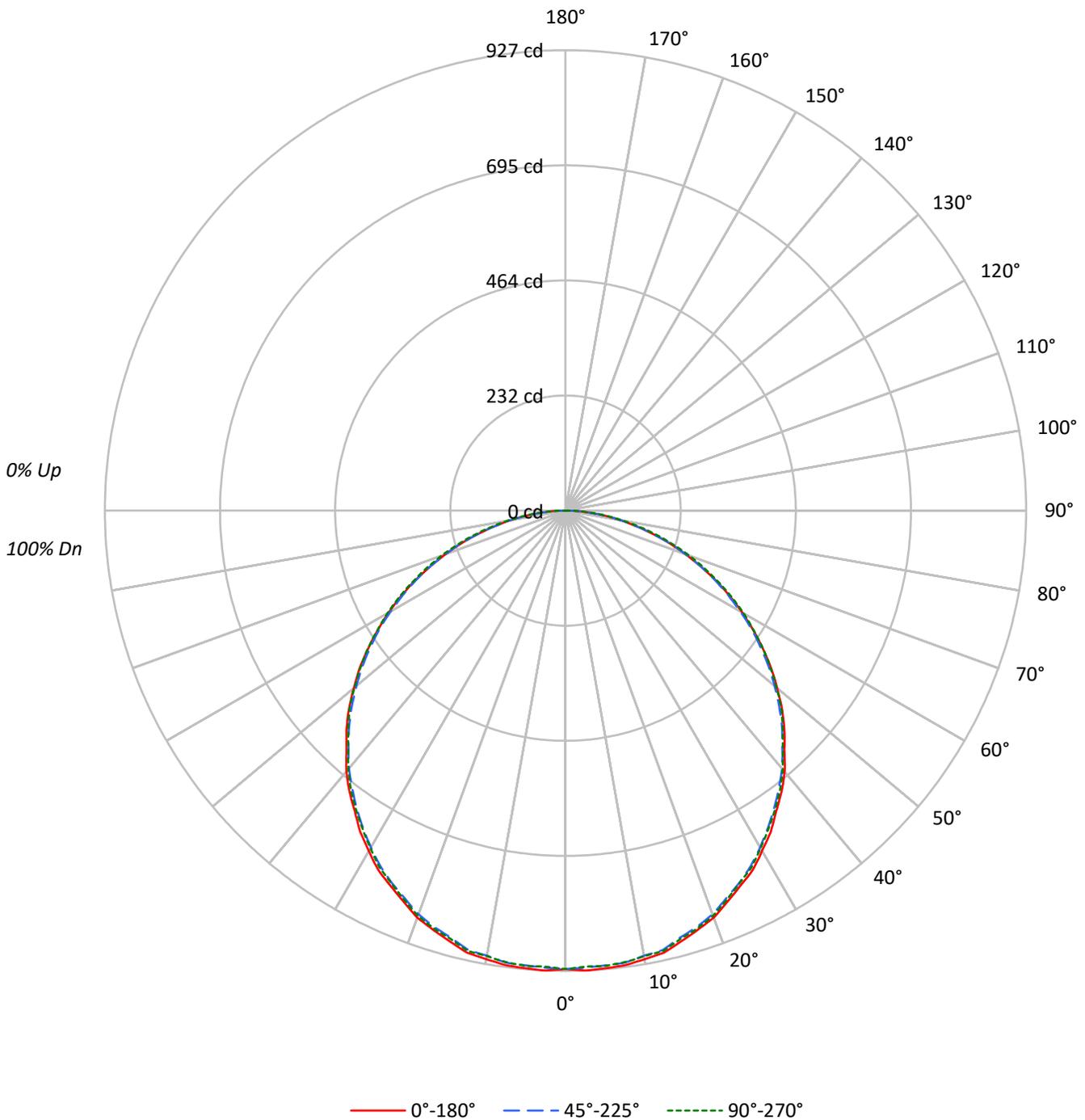
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 132.2 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): 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				
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°	3228	3228	3228
5°	3248	3227	3230
10°	3257	3232	3236
15°	3252	3223	3234
20°	3246	3220	3231
25°	3215	3192	3195
30°	3195	3162	3170
35°	3156	3126	3138
40°	3132	3096	3105
45°	3082	3047	3057
50°	3026	2988	3015
55°	2957	2921	2963
60°	2875	2840	2896
65°	2772	2747	2805
70°	2628	2628	2710
75°	2459	2473	2567
80°	2276	2276	2397
85°	2046	2006	2207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3087 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	3.3
10°-20°	252.8	9.4
20°-30°	383.0	14.3
30°-40°	461.0	17.2
40°-50°	478.2	17.8
50°-60°	432.4	16.1
60°-70°	332.2	12.4
70°-80°	197.2	7.3
80°-90°	59.3	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°	723.6	27.0
0°-40°	1184.5	44.1
0°-60°	2095.2	78.1
0°-90°	2684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	923	923	923	923	923	
5°	925	925	919	921	920	88
15°	898	897	890	895	893	254
25°	833	833	827	830	828	385
35°	739	739	732	736	735	464
45°	623	624	616	620	618	480
55°	485	486	479	484	486	434
65°	335	337	332	337	339	331
75°	182	186	183	189	190	194
85°	51	52	50	54	55	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	923.1	923.1	923.1	923.1	923.1
2.5°	927.1	927.1	921.1	923.1	919.1
5°	925.1	925.1	919.1	921.1	920.1
7.5°	923.1	924.1	918.1	919.1	917.1
10°	917.1	916.1	910.1	913.1	911.1
12.5°	912.1	911.1	906.1	909.1	908.1
15°	898.1	897.1	890.1	895.1	893.1
17.5°	885.1	885.1	879.1	882.1	882.1
20°	872.1	871.1	865.1	869.1	868.1
22.5°	852.1	852.1	845.1	848.1	848.1
25°	833.1	833.1	827.1	830.1	828.1
27.5°	816.1	815.1	807.1	811.1	810.1
30°	791.1	790.1	783.1	787.1	785.1
32.5°	768.1	765.1	758.1	762.1	760.1
35°	739.1	739.1	732.1	736.1	735.1
37.5°	714.1	714.1	705.1	710.1	709.1
40°	686.1	686.1	678.1	681.1	680.1
42.5°	652.1	654.1	646.1	650.1	647.1
45°	623.1	624.1	616.1	620.1	618.1
47.5°	591.1	592.1	583.1	589.1	589.1
50°	556.1	558.1	549.1	554.1	554.1
52.5°	522.1	523.1	515.1	520.1	520.1
55°	485.0	486.0	479.0	484.0	486.0
57.5°	448.0	450.0	444.0	448.0	449.0
60°	411.0	412.0	406.0	412.0	414.0
62.5°	373.0	374.0	369.0	375.0	377.0
65°	335.0	337.0	332.0	337.0	339.0
67.5°	295.0	299.0	295.0	300.0	302.0
70°	257.0	262.0	257.0	262.0	265.0
72.5°	220.0	224.0	221.0	227.0	228.0
75°	182.0	186.0	183.0	189.0	190.0
77.5°	147.0	150.0	147.0	152.0	154.0
80°	113.0	115.0	113.0	118.0	119.0
82.5°	80.0	83.0	81.0	85.0	86.0
85°	51.0	52.0	50.0	54.0	55.0
87.5°	24.0	25.0	23.0	27.0	27.0
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	15.93	17.58	16.30	17.90	18.21	15.91	17.56	16.28	17.88	18.19
	3H	17.77	19.26	18.14	19.59	19.95	17.80	19.29	18.17	19.62	19.98
	4H	18.46	19.87	18.86	20.22	20.60	18.53	19.94	18.93	20.29	20.66
	6H	18.99	20.30	19.40	20.67	21.06	19.10	20.40	19.51	20.77	21.16
	8H	19.17	20.42	19.60	20.81	21.21	19.29	20.54	19.72	20.93	21.33
	12H	19.30	20.50	19.73	20.88	21.31	19.43	20.63	19.86	21.01	21.44
4H	2H	16.56	17.97	16.96	18.32	18.69	16.54	17.95	16.94	18.30	18.67
	3H	18.63	19.82	19.04	20.21	20.61	18.66	19.84	19.07	20.24	20.64
	4H	19.47	20.54	19.90	20.95	21.39	19.53	20.60	19.96	21.02	21.45
	6H	20.14	21.08	20.59	21.52	21.97	20.23	21.17	20.68	21.61	22.06
	8H	20.37	21.25	20.83	21.69	22.15	20.48	21.36	20.94	21.80	22.27
	12H	20.54	21.33	21.02	21.81	22.28	20.68	21.47	21.15	21.94	22.41
8H	4H	19.80	20.68	20.26	21.12	21.59	19.85	20.73	20.31	21.18	21.64
	6H	20.60	21.33	21.09	21.82	22.29	20.69	21.42	21.18	21.91	22.38
	8H	20.91	21.57	21.42	22.08	22.56	21.02	21.68	21.53	22.18	22.67
	12H	21.17	21.76	21.68	22.25	22.81	21.30	21.89	21.81	22.38	22.94
12H	4H	19.84	20.63	20.32	21.11	21.58	19.89	20.69	20.37	21.16	21.63
	6H	20.67	21.33	21.17	21.83	22.32	20.75	21.41	21.26	21.92	22.40
	8H	21.04	21.63	21.55	22.12	22.68	21.15	21.73	21.65	22.22	22.78