

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: P1053676

Luminaire Tested: 24CGTS-L3C3-5000K-HIGH

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-301-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/22/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CGTS-L3C3-5000K-HIGH
Description: 2x4 Selectable Lumens and CCT LED Backlit Panel at 5000K CCT and HIGH lumen settings
Light Source: -
Ballast/Driver: -

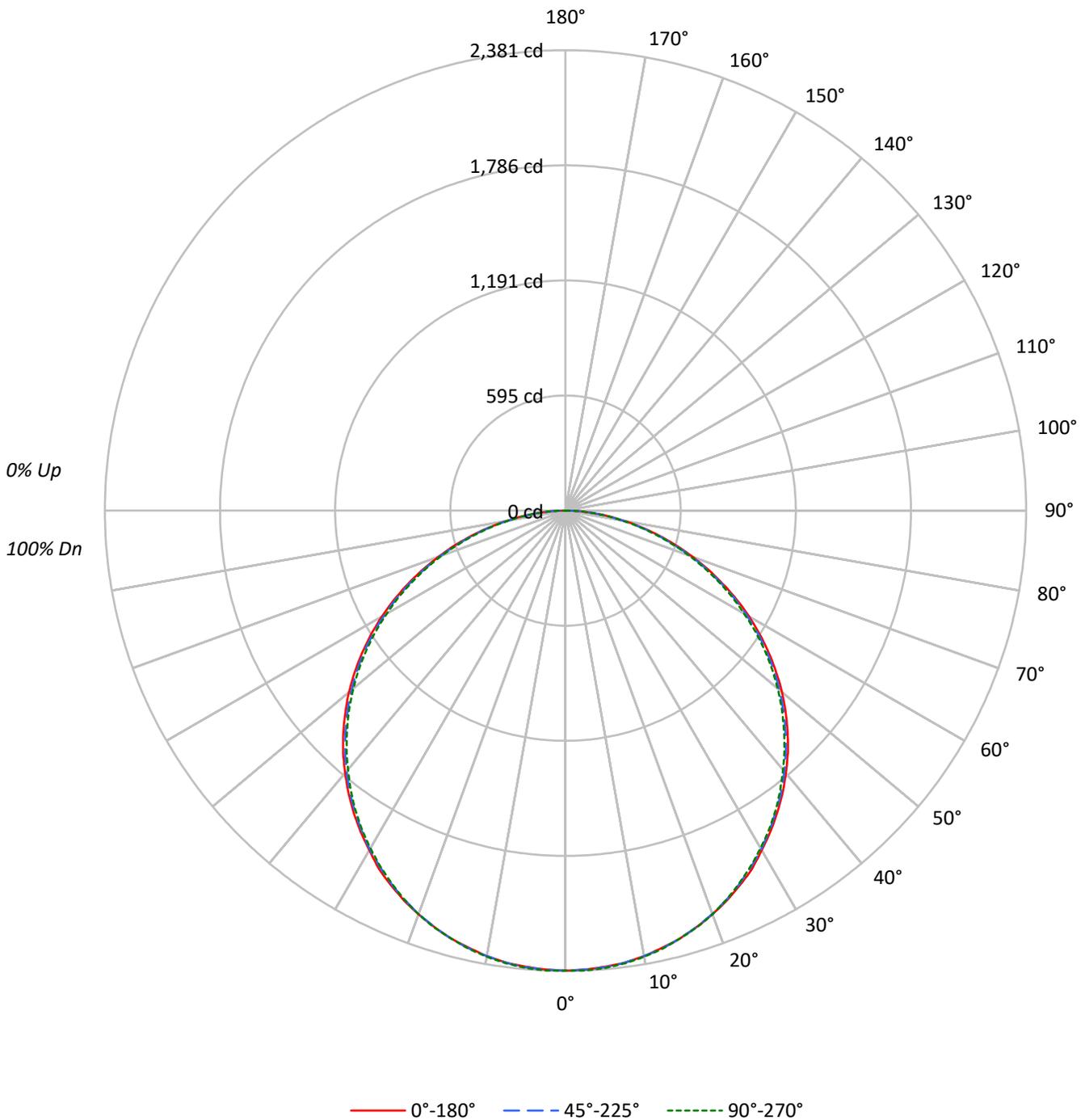
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6966.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 50.8
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	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	28	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	30	26	37	30	25	36	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3706	3706	3706
5°	3702	3707	3713
10°	3701	3701	3706
15°	3694	3694	3694
20°	3683	3680	3683
25°	3672	3660	3655
30°	3647	3639	3627
35°	3628	3609	3600
40°	3603	3579	3556
45°	3577	3541	3516
50°	3541	3498	3470
55°	3483	3447	3411
60°	3412	3366	3325
65°	3310	3268	3226
70°	3186	3133	3096
75°	3024	2965	2915
80°	2784	2725	2680
85°	2524	2465	2406

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3577 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.6	3.2
10°-20°	647.0	9.3
20°-30°	982.4	14.1
30°-40°	1187.8	17.1
40°-50°	1239.8	17.8
50°-60°	1131.9	16.2
60°-70°	875.7	12.6
70°-80°	520.0	7.5
80°-90°	155.7	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°	1855.0	26.6
0°-40°	3042.8	43.7
0°-60°	5414.6	77.7
0°-90°	6966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6966.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2379	2379	2379	2379	2379	
5°	2368	2376	2371	2374	2374	225
15°	2290	2294	2290	2295	2290	646
25°	2136	2133	2130	2130	2126	985
35°	1908	1903	1898	1892	1893	1194
45°	1624	1614	1608	1598	1596	1252
55°	1282	1272	1269	1261	1256	1146
65°	898	888	887	878	875	889
75°	502	493	493	484	484	531
85°	141	136	138	140	135	159
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2379.2	2379.2	2379.2	2379.2	2379.2
2.5°	2375.9	2380.8	2375.9	2382.5	2380.8
5°	2367.7	2375.9	2371.0	2374.3	2374.3
7.5°	2357.8	2361.1	2357.8	2364.4	2361.1
10°	2339.8	2346.3	2339.8	2348.0	2343.1
12.5°	2315.1	2321.7	2318.4	2323.4	2320.1
15°	2290.5	2293.8	2290.5	2295.4	2290.5
17.5°	2257.7	2261.0	2256.0	2261.0	2259.3
20°	2221.6	2224.8	2219.9	2223.2	2221.6
22.5°	2182.1	2185.4	2177.2	2178.9	2177.2
25°	2136.2	2132.9	2129.6	2129.6	2126.3
27.5°	2088.6	2083.6	2077.1	2077.1	2073.8
30°	2027.8	2027.8	2022.9	2018.0	2016.3
32.5°	1970.3	1967.1	1962.1	1960.5	1957.2
35°	1907.9	1903.0	1898.1	1891.5	1893.2
37.5°	1842.3	1835.7	1832.4	1824.2	1822.6
40°	1771.7	1766.7	1760.2	1750.3	1748.7
42.5°	1701.1	1692.8	1686.3	1676.4	1674.8
45°	1623.9	1614.0	1607.5	1597.6	1596.0
47.5°	1543.4	1531.9	1527.0	1518.8	1515.5
50°	1461.3	1448.2	1443.3	1433.4	1431.8
52.5°	1372.7	1362.8	1357.9	1346.4	1344.8
55°	1282.4	1272.5	1269.2	1261.0	1256.1
57.5°	1190.4	1180.6	1175.6	1167.4	1162.5
60°	1095.2	1085.3	1080.4	1070.5	1067.3
62.5°	998.3	986.8	985.2	977.0	973.7
65°	898.1	888.3	886.7	878.4	875.2
67.5°	799.6	789.8	788.1	781.6	778.3
70°	699.5	688.0	688.0	681.4	679.8
72.5°	601.0	589.5	589.5	582.9	581.2
75°	502.4	492.6	492.6	484.4	484.4
77.5°	405.6	397.4	399.0	395.7	390.8
80°	310.3	303.8	303.8	302.1	298.8
82.5°	223.3	216.7	218.4	220.0	213.5
85°	141.2	136.3	137.9	139.6	134.6
87.5°	65.7	60.8	64.0	67.3	64.0
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	16.52	18.18	16.89	18.49	18.81	16.43	18.08	16.79	18.40	18.71
	3H	18.41	19.91	18.78	20.23	20.59	18.30	19.80	18.67	20.12	20.48
	4H	19.14	20.55	19.53	20.90	21.27	19.01	20.42	19.41	20.77	21.15
	6H	19.69	21.01	20.10	21.37	21.76	19.55	20.87	19.96	21.23	21.62
	8H	19.88	21.14	20.31	21.53	21.92	19.74	20.99	20.16	21.38	21.78
	12H	20.02	21.22	20.45	21.60	22.03	19.87	21.07	20.30	21.45	21.88
4H	2H	17.17	18.59	17.57	18.93	19.31	17.10	18.51	17.49	18.86	19.23
	3H	19.28	20.47	19.68	20.86	21.26	19.19	20.38	19.60	20.77	21.17
	4H	20.13	21.21	20.57	21.63	22.06	20.03	21.11	20.46	21.52	21.96
	6H	20.82	21.77	21.28	22.21	22.66	20.71	21.65	21.16	22.09	22.55
	8H	21.07	21.95	21.52	22.39	22.86	20.95	21.83	21.41	22.27	22.74
	12H	21.25	22.05	21.73	22.52	22.99	21.13	21.92	21.61	22.40	22.87
8H	4H	20.47	21.35	20.93	21.80	22.26	20.38	21.26	20.84	21.70	22.17
	6H	21.29	22.02	21.78	22.51	22.99	21.19	21.93	21.68	22.41	22.89
	8H	21.61	22.27	22.11	22.77	23.26	21.51	22.17	22.02	22.68	23.16
	12H	21.87	22.46	22.38	22.95	23.51	21.78	22.36	22.28	22.85	23.41
12H	4H	20.51	21.31	20.99	21.78	22.25	20.42	21.22	20.90	21.69	22.16
	6H	21.35	22.02	21.86	22.52	23.01	21.26	21.92	21.77	22.43	22.91
	8H	21.74	22.32	22.24	22.81	23.37	21.64	22.23	22.15	22.72	23.28