

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: P1053673

Luminaire Tested: 24CGTS-L3C3-4000K-HIGH

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053673
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-L3C3-4000K-HIGH
Description: 2x4 Selectable Lumens and CCT LED Backlit Panel at 4000K CCT and HIGH lumen settings
Light Source: -
Ballast/Driver: -

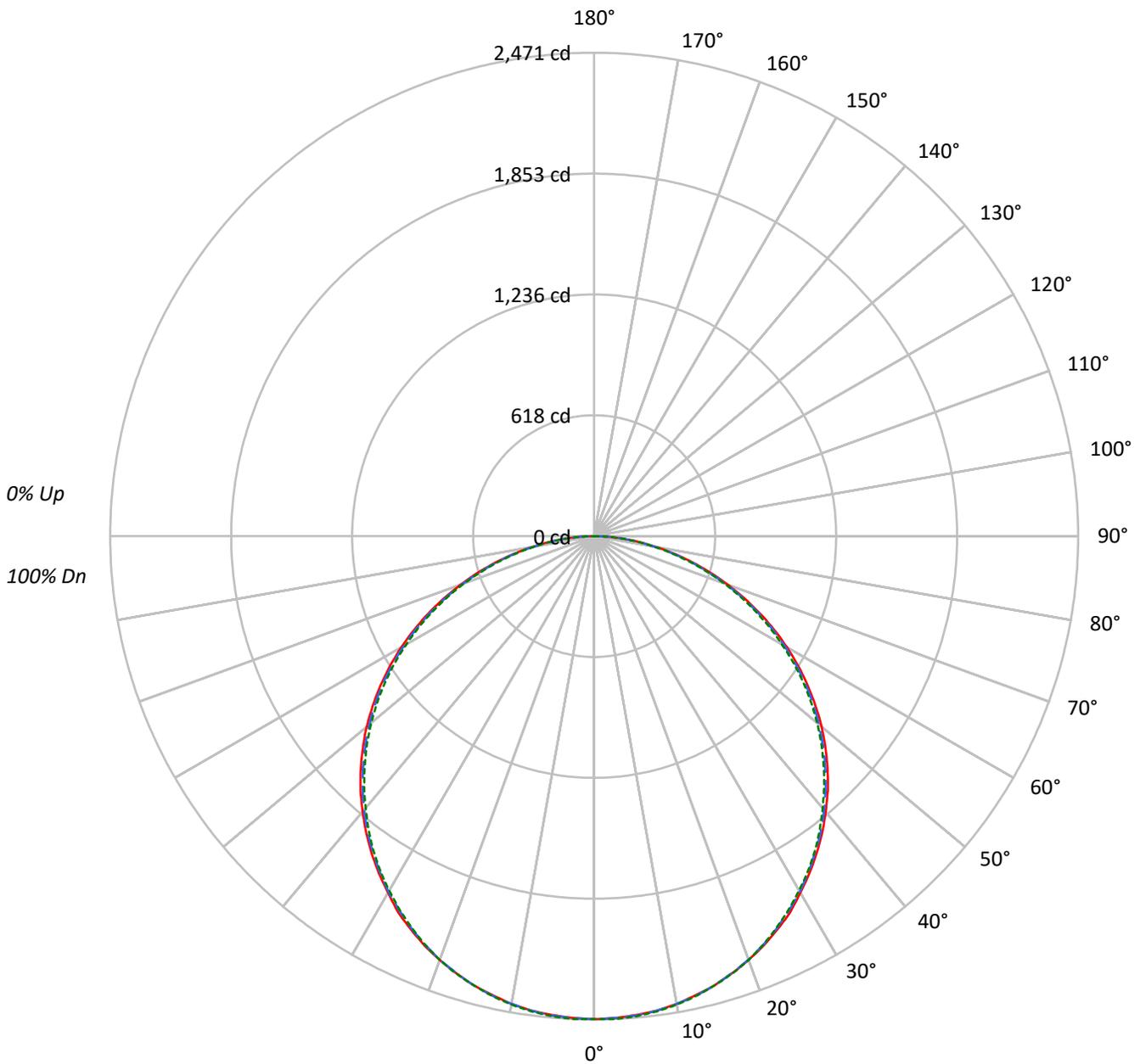
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7229.0 lumens
Efficiency: N/A
Efficacy: 142.3 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



— 0°-180° - - - 45°-225° - · - · 90°-270°



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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	100	100	100	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83	83	83	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69	69	69	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58	58	58	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49	49	49	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42	42	42	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37	37	37	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33	33	33	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29	29	29	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	26	26	26	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3846	3846	3846
5°	3842	3847	3853
10°	3841	3841	3846
15°	3833	3833	3833
20°	3822	3819	3822
25°	3810	3798	3793
30°	3785	3776	3764
35°	3765	3746	3736
40°	3738	3714	3690
45°	3712	3675	3648
50°	3675	3630	3601
55°	3614	3577	3540
60°	3541	3493	3451
65°	3436	3391	3347
70°	3306	3251	3213
75°	3138	3077	3025
80°	2888	2827	2782
85°	2618	2558	2497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3712 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.1	3.2
10°-20°	671.5	9.3
20°-30°	1019.5	14.1
30°-40°	1232.7	17.1
40°-50°	1286.6	17.8
50°-60°	1174.7	16.2
60°-70°	908.8	12.6
70°-80°	539.6	7.5
80°-90°	161.6	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°	1925.1	26.6
0°-40°	3157.7	43.7
0°-60°	5619.0	77.7
0°-90°	7229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2469	2469	2469	2469	2469	
5°	2457	2466	2460	2464	2464	234
15°	2377	2380	2377	2382	2377	671
25°	2217	2213	2210	2210	2207	1022
35°	1980	1975	1970	1963	1965	1239
45°	1685	1675	1668	1658	1656	1300
55°	1331	1321	1317	1309	1304	1189
65°	932	922	920	912	908	923
75°	521	511	511	503	503	551
85°	146	141	143	145	140	165
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2469.0	2469.0	2469.0	2469.0	2469.0
2.5°	2465.6	2470.7	2465.6	2472.4	2470.7
5°	2457.1	2465.6	2460.5	2463.9	2463.9
7.5°	2446.9	2450.3	2446.9	2453.7	2450.3
10°	2428.1	2434.9	2428.1	2436.6	2431.5
12.5°	2402.6	2409.4	2406.0	2411.1	2407.7
15°	2377.0	2380.4	2377.0	2382.1	2377.0
17.5°	2342.9	2346.3	2341.2	2346.3	2344.6
20°	2305.4	2308.8	2303.7	2307.1	2305.4
22.5°	2264.5	2267.9	2259.4	2261.1	2259.4
25°	2216.8	2213.4	2210.0	2210.0	2206.6
27.5°	2167.4	2162.3	2155.5	2155.5	2152.1
30°	2104.4	2104.4	2099.2	2094.1	2092.4
32.5°	2044.7	2041.3	2036.2	2034.5	2031.1
35°	1980.0	1974.9	1969.8	1962.9	1964.6
37.5°	1911.8	1905.0	1901.6	1893.1	1891.4
40°	1838.5	1833.4	1826.6	1816.4	1814.7
42.5°	1765.3	1756.8	1749.9	1739.7	1738.0
45°	1685.2	1675.0	1668.2	1657.9	1656.2
47.5°	1601.7	1589.8	1584.7	1576.1	1572.7
50°	1516.5	1502.9	1497.8	1487.5	1485.8
52.5°	1424.5	1414.3	1409.2	1397.2	1395.5
55°	1330.8	1320.6	1317.1	1308.6	1303.5
57.5°	1235.4	1225.1	1220.0	1211.5	1206.4
60°	1136.5	1126.3	1121.2	1111.0	1107.6
62.5°	1036.0	1024.1	1022.4	1013.8	1010.4
65°	932.1	921.8	920.1	911.6	908.2
67.5°	829.8	819.6	817.9	811.1	807.7
70°	725.9	713.9	713.9	707.1	705.4
72.5°	623.6	611.7	611.7	604.9	603.2
75°	521.4	511.2	511.2	502.7	502.7
77.5°	420.9	412.4	414.1	410.6	405.5
80°	322.0	315.2	315.2	313.5	310.1
82.5°	231.7	224.9	226.6	228.3	221.5
85°	146.5	141.4	143.1	144.8	139.7
87.5°	68.2	63.0	66.5	69.9	66.5
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	16.65	18.31	17.01	18.62	18.93	16.55	18.21	16.92	18.53	18.84
	3H	18.54	20.04	18.91	20.36	20.72	18.42	19.93	18.80	20.25	20.61
	4H	19.26	20.68	19.66	21.03	21.40	19.14	20.55	19.53	20.90	21.27
	6H	19.82	21.14	20.23	21.50	21.89	19.68	21.00	20.09	21.36	21.75
	8H	20.01	21.27	20.43	21.65	22.05	19.87	21.12	20.29	21.51	21.91
	12H	20.15	21.35	20.57	21.73	22.16	19.99	21.20	20.42	21.58	22.01
4H	2H	17.30	18.71	17.70	19.06	19.44	17.22	18.64	17.62	18.99	19.36
	3H	19.40	20.59	19.81	20.99	21.39	19.32	20.51	19.72	20.90	21.30
	4H	20.26	21.34	20.69	21.75	22.19	20.16	21.24	20.59	21.65	22.08
	6H	20.95	21.90	21.41	22.34	22.79	20.84	21.78	21.29	22.22	22.68
	8H	21.19	22.08	21.65	22.52	22.98	21.08	21.96	21.53	22.40	22.87
	12H	21.38	22.18	21.86	22.65	23.12	21.26	22.05	21.74	22.53	23.00
8H	4H	20.60	21.48	21.06	21.92	22.39	20.51	21.39	20.96	21.83	22.30
	6H	21.41	22.15	21.91	22.64	23.11	21.32	22.06	21.81	22.54	23.02
	8H	21.73	22.40	22.24	22.90	23.39	21.64	22.30	22.15	22.81	23.29
	12H	22.00	22.59	22.51	23.08	23.64	21.91	22.49	22.41	22.98	23.54
12H	4H	20.64	21.44	21.12	21.91	22.38	20.55	21.35	21.03	21.82	22.29
	6H	21.48	22.15	21.99	22.65	23.14	21.39	22.05	21.90	22.56	23.04
	8H	21.86	22.45	22.37	22.94	23.50	21.77	22.36	22.28	22.85	23.41