

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: P1053664

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

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053664
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-HIGH
Description: 2x2 Selectable Lumens and CCT LED Backlit Panel at 4000K CCT and HIGH lumen settings
Light Source: -
Ballast/Driver: -

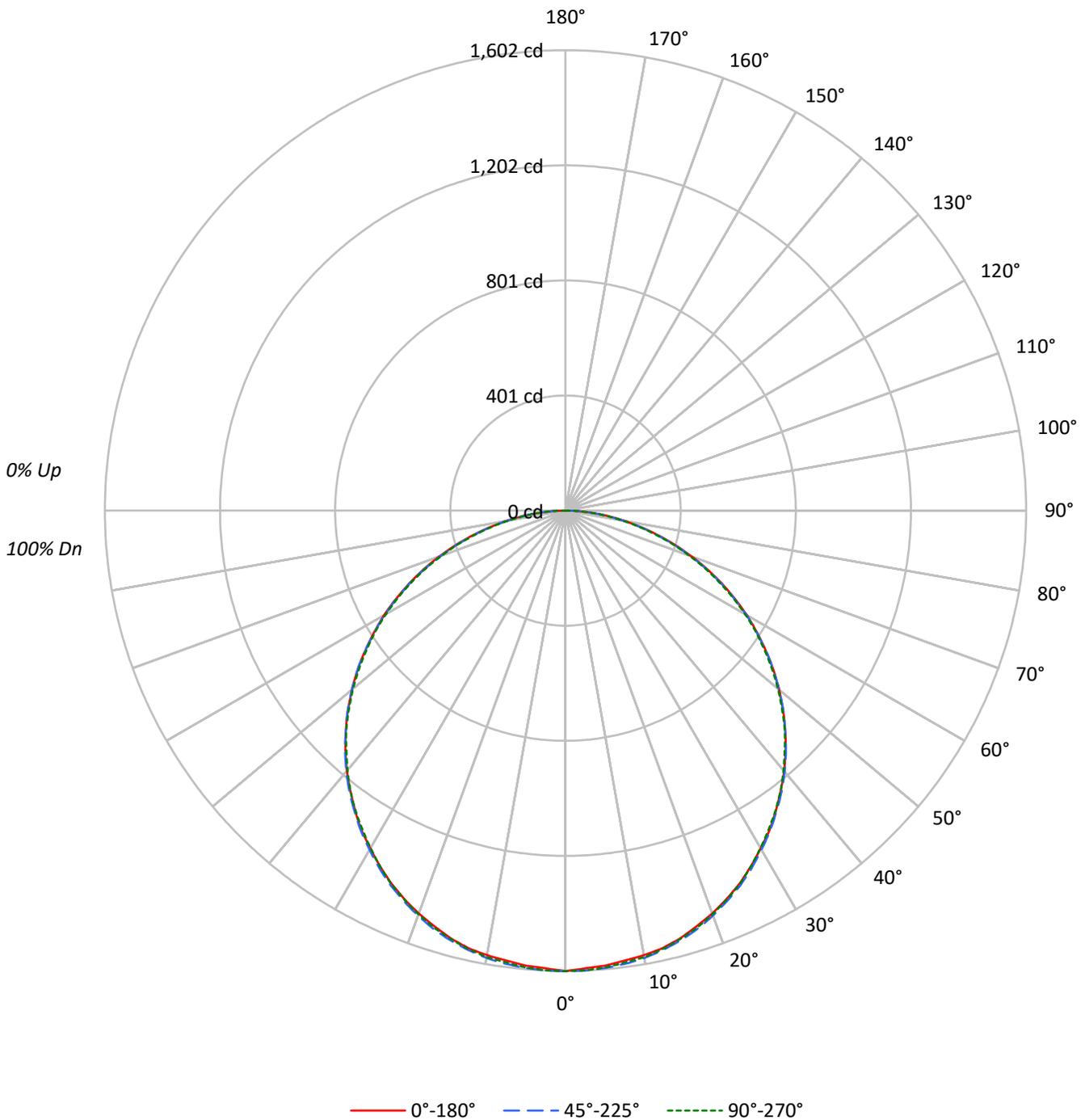
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4686.0 lumens
Efficiency: N/A
Efficacy: 145.5 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): 32.2
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	100				100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69				69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42				42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37				37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33				33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29				29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26				26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5250	5250	5250
5°	5227	5254	5248
10°	5227	5259	5248
15°	5228	5250	5233
20°	5201	5230	5212
25°	5178	5202	5184
30°	5137	5156	5131
35°	5101	5114	5094
40°	5059	5073	5045
45°	5006	5006	4998
50°	4942	4942	4917
55°	4860	4860	4822
60°	4774	4763	4731
65°	4649	4623	4585
70°	4479	4431	4384
75°	4245	4183	4119
80°	3989	3927	3834
85°	3665	3665	3477

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5029 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.8	3.2
10°-20°	436.2	9.3
20°-30°	661.6	14.1
30°-40°	799.0	17.1
40°-50°	833.1	17.8
50°-60°	759.2	16.2
60°-70°	588.3	12.6
70°-80°	350.1	7.5
80°-90°	106.7	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°	1249.6	26.7
0°-40°	2048.6	43.7
0°-60°	3640.9	77.7
0°-90°	4686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1602	1602	1602	1602	1602	
5°	1589	1597	1597	1597	1596	151
15°	1541	1548	1548	1546	1543	435
25°	1432	1439	1439	1434	1434	660
35°	1275	1282	1278	1275	1274	798
45°	1080	1085	1080	1075	1079	833
55°	851	854	851	844	844	761
65°	600	600	596	588	591	593
75°	335	335	330	322	325	356
85°	98	98	98	89	92	109
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1602.3	1602.3	1602.3	1602.3	1602.3
2.5°	1594.0	1604.0	1602.3	1600.7	1600.7
5°	1589.1	1597.3	1597.3	1597.3	1595.7
7.5°	1579.2	1590.7	1590.7	1587.4	1585.8
10°	1570.9	1580.8	1580.8	1579.2	1577.5
12.5°	1559.4	1566.0	1566.0	1564.3	1562.7
15°	1541.2	1547.8	1547.8	1546.1	1542.8
17.5°	1516.4	1526.3	1526.3	1521.4	1521.4
20°	1491.6	1501.5	1499.9	1496.6	1494.9
22.5°	1463.5	1471.8	1470.2	1466.9	1465.2
25°	1432.2	1438.8	1438.8	1433.8	1433.8
27.5°	1395.8	1404.1	1402.4	1397.5	1395.8
30°	1357.8	1364.4	1362.8	1357.8	1356.2
32.5°	1319.8	1324.8	1323.1	1316.5	1314.9
35°	1275.2	1281.8	1278.5	1275.2	1273.6
37.5°	1229.0	1235.6	1233.9	1229.0	1229.0
40°	1182.7	1186.0	1186.0	1179.4	1179.4
42.5°	1133.2	1138.1	1134.8	1128.2	1128.2
45°	1080.3	1085.3	1080.3	1075.4	1078.7
47.5°	1025.8	1030.8	1027.5	1020.9	1020.9
50°	969.6	972.9	969.6	964.7	964.7
52.5°	911.8	916.8	911.8	906.9	905.2
55°	850.7	854.0	850.7	844.1	844.1
57.5°	789.6	792.9	787.9	781.3	784.6
60°	728.5	730.1	726.8	718.6	721.9
62.5°	664.0	665.7	660.7	654.1	655.8
65°	599.6	599.6	596.3	588.1	591.4
67.5°	533.6	533.6	530.2	522.0	525.3
70°	467.5	467.5	462.5	455.9	457.6
72.5°	401.4	401.4	396.4	389.8	393.1
75°	335.3	335.3	330.4	322.1	325.4
77.5°	272.6	272.6	269.3	259.3	262.6
80°	211.4	213.1	208.1	198.2	203.2
82.5°	152.0	152.0	152.0	143.7	145.4
85°	97.5	97.5	97.5	89.2	92.5
87.5°	46.3	46.3	46.3	42.9	42.9
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	17.70	19.36	18.07	19.67	19.99	17.61	19.27	17.97	19.58	19.89
	3H	19.60	21.10	19.97	21.42	21.78	19.48	20.98	19.86	21.31	21.67
	4H	20.33	21.74	20.73	22.09	22.47	20.19	21.61	20.59	21.96	22.33
	6H	20.90	22.21	21.31	22.58	22.97	20.74	22.05	21.15	22.42	22.81
	8H	21.10	22.35	21.52	22.74	23.14	20.92	22.18	21.35	22.57	22.97
	12H	21.24	22.44	21.67	22.82	23.25	21.06	22.26	21.49	22.64	23.07
4H	2H	18.36	19.77	18.75	20.12	20.49	18.28	19.70	18.68	20.05	20.42
	3H	20.48	21.67	20.88	22.06	22.46	20.37	21.57	20.78	21.96	22.36
	4H	21.34	22.42	21.77	22.84	23.27	21.21	22.29	21.64	22.70	23.14
	6H	22.05	23.00	22.51	23.44	23.89	21.88	22.83	22.33	23.27	23.72
	8H	22.31	23.19	22.76	23.63	24.10	22.12	23.01	22.58	23.45	23.91
	12H	22.50	23.30	22.98	23.77	24.24	22.30	23.10	22.78	23.58	24.04
8H	4H	21.68	22.56	22.14	23.01	23.47	21.56	22.45	22.02	22.89	23.35
	6H	22.53	23.27	23.02	23.75	24.23	22.36	23.10	22.85	23.59	24.06
	8H	22.86	23.53	23.37	24.03	24.52	22.68	23.34	23.19	23.85	24.33
	12H	23.15	23.73	23.65	24.22	24.78	22.94	23.53	23.45	24.02	24.58
12H	4H	21.72	22.52	22.20	22.99	23.46	21.61	22.41	22.09	22.88	23.35
	6H	22.60	23.26	23.10	23.76	24.25	22.44	23.10	22.95	23.61	24.09
	8H	23.00	23.58	23.50	24.07	24.63	22.82	23.41	23.33	23.90	24.46