

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: P1053667

Luminaire Tested: 22CGTS-L3C3-5000K-HIGH

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053667
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-L3C3-5000K-HIGH
Description: 2x2 Selectable Lumens and CCT LED Backlit Panel at 5000K CCT and HIGH lumen settings
Light Source: -
Ballast/Driver: -

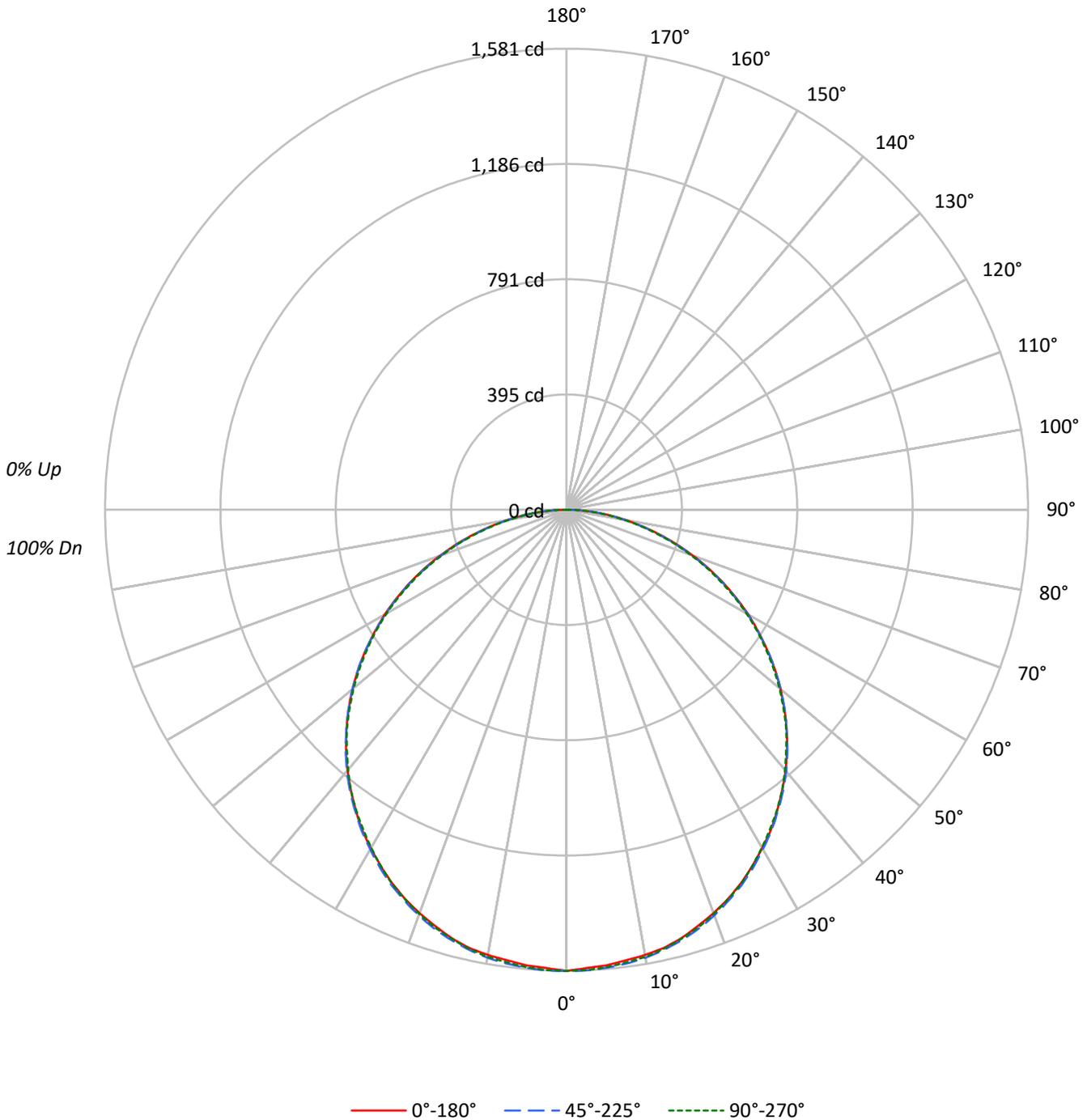
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4625.0 lumens
Efficiency: N/A
Efficacy: 143.6 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				
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	29	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	31	26	37	30	26	36	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5182	5182	5182
5°	5159	5186	5180
10°	5159	5191	5180
15°	5160	5182	5166
20°	5133	5162	5145
25°	5110	5134	5116
30°	5071	5089	5064
35°	5034	5047	5028
40°	4993	5007	4979
45°	4941	4941	4933
50°	4878	4878	4853
55°	4796	4796	4759
60°	4712	4701	4669
65°	4588	4563	4525
70°	4420	4373	4326
75°	4190	4128	4066
80°	3938	3876	3783
85°	3617	3617	3432

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4963 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.2
10°-20°	430.5	9.3
20°-30°	653.0	14.1
30°-40°	788.6	17.1
40°-50°	822.2	17.8
50°-60°	749.3	16.2
60°-70°	580.7	12.6
70°-80°	345.5	7.5
80°-90°	105.3	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°	1233.3	26.7
0°-40°	2022.0	43.7
0°-60°	3593.5	77.7
0°-90°	4625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1581	1581	1581	1581	1581	
5°	1568	1577	1577	1577	1575	149
15°	1521	1528	1528	1526	1523	429
25°	1414	1420	1420	1415	1415	651
35°	1259	1265	1262	1259	1257	788
45°	1066	1071	1066	1061	1065	822
55°	840	843	840	833	833	751
65°	592	592	589	580	584	585
75°	331	331	326	318	321	351
85°	96	96	96	88	91	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1581.4	1581.4	1581.4	1581.4	1581.4
2.5°	1573.3	1583.1	1581.4	1579.8	1579.8
5°	1568.4	1576.6	1576.6	1576.6	1574.9
7.5°	1558.6	1570.0	1570.0	1566.8	1565.1
10°	1550.5	1560.3	1560.3	1558.6	1557.0
12.5°	1539.1	1545.6	1545.6	1543.9	1542.3
15°	1521.1	1527.6	1527.6	1526.0	1522.8
17.5°	1496.7	1506.5	1506.5	1501.6	1501.6
20°	1472.2	1482.0	1480.4	1477.1	1475.5
22.5°	1444.5	1452.6	1451.0	1447.8	1446.1
25°	1413.5	1420.0	1420.0	1415.2	1415.2
27.5°	1377.7	1385.8	1384.2	1379.3	1377.7
30°	1340.2	1346.7	1345.0	1340.2	1338.5
32.5°	1302.7	1307.5	1305.9	1299.4	1297.8
35°	1258.6	1265.2	1261.9	1258.6	1257.0
37.5°	1213.0	1219.5	1217.9	1213.0	1213.0
40°	1167.3	1170.6	1170.6	1164.1	1164.1
42.5°	1118.4	1123.3	1120.1	1113.5	1113.5
45°	1066.3	1071.1	1066.3	1061.4	1064.6
47.5°	1012.5	1017.3	1014.1	1007.6	1007.6
50°	957.0	960.3	957.0	952.1	952.1
52.5°	900.0	904.8	900.0	895.1	893.4
55°	839.6	842.9	839.6	833.1	833.1
57.5°	779.3	782.6	777.7	771.2	774.4
60°	719.0	720.6	717.4	709.2	712.5
62.5°	655.4	657.0	652.1	645.6	647.3
65°	591.8	591.8	588.6	580.4	583.7
67.5°	526.6	526.6	523.3	515.2	518.5
70°	461.4	461.4	456.5	450.0	451.6
72.5°	396.2	396.2	391.3	384.8	388.0
75°	331.0	331.0	326.1	317.9	321.2
77.5°	269.0	269.0	265.7	256.0	259.2
80°	208.7	210.3	205.4	195.6	200.5
82.5°	150.0	150.0	150.0	141.8	143.5
85°	96.2	96.2	96.2	88.0	91.3
87.5°	45.7	45.7	45.7	42.4	42.4
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	17.66	19.31	18.02	19.63	19.94	17.56	19.22	17.93	19.53	19.85
	3H	19.55	21.05	19.93	21.38	21.74	19.44	20.94	19.81	21.26	21.62
	4H	20.28	21.70	20.68	22.05	22.42	20.15	21.57	20.55	21.91	22.29
	6H	20.85	22.17	21.26	22.53	22.92	20.69	22.01	21.10	22.37	22.76
	8H	21.05	22.31	21.47	22.69	23.09	20.88	22.13	21.30	22.52	22.92
	12H	21.19	22.40	21.62	22.78	23.21	21.01	22.22	21.44	22.60	23.03
4H	2H	18.31	19.73	18.71	20.07	20.45	18.24	19.65	18.64	20.00	20.38
	3H	20.43	21.62	20.84	22.02	22.42	20.33	21.52	20.74	21.92	22.32
	4H	21.30	22.38	21.73	22.79	23.22	21.17	22.24	21.60	22.66	23.09
	6H	22.01	22.95	22.46	23.39	23.85	21.84	22.78	22.29	23.22	23.68
	8H	22.26	23.15	22.72	23.59	24.05	22.07	22.96	22.53	23.40	23.87
	12H	22.45	23.25	22.93	23.73	24.20	22.26	23.06	22.74	23.53	24.00
8H	4H	21.63	22.52	22.09	22.96	23.42	21.52	22.40	21.97	22.84	23.31
	6H	22.48	23.22	22.97	23.71	24.18	22.32	23.06	22.81	23.54	24.02
	8H	22.82	23.48	23.33	23.99	24.47	22.63	23.30	23.14	23.80	24.29
	12H	23.10	23.69	23.61	24.18	24.74	22.90	23.48	23.40	23.97	24.53
12H	4H	21.67	22.47	22.15	22.94	23.41	21.56	22.36	22.04	22.84	23.30
	6H	22.55	23.21	23.06	23.72	24.20	22.39	23.06	22.90	23.56	24.05
	8H	22.95	23.54	23.46	24.03	24.59	22.78	23.36	23.28	23.85	24.41