

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: P1053669

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

Issue Date: 7/22/2025

Test Information

Test Method: LM-79-2019
Report Number: P1053669
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-MEDIUM
Description: 2x2 Selectable Lumens and CCT LED Backlit Panel at 5000K CCT and MEDIUM lumen settings
Light Source: -
Ballast/Driver: -

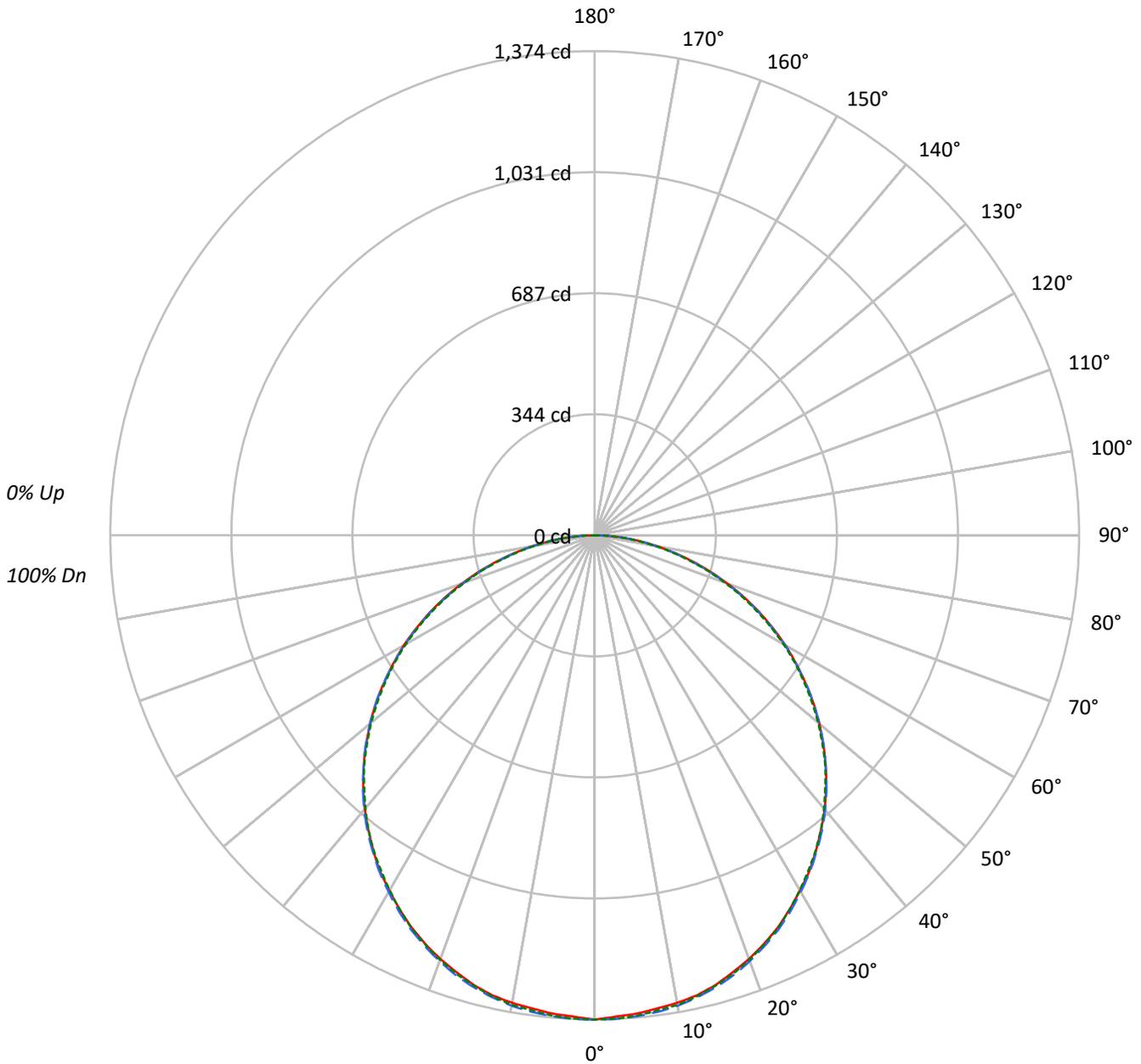
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4019.0 lumens
Efficiency: N/A
Efficacy: 145.1 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): 27.7
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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CATALOG NUMBER: 22CGTS-L3C3-5000K-MEDIUM

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
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°	4503	4503	4503
5°	4483	4506	4501
10°	4483	4511	4502
15°	4484	4503	4488
20°	4461	4485	4470
25°	4441	4461	4446
30°	4406	4422	4400
35°	4375	4386	4369
40°	4339	4351	4327
45°	4293	4293	4287
50°	4239	4239	4218
55°	4168	4168	4136
60°	4094	4085	4057
65°	3987	3965	3932
70°	3841	3800	3759
75°	3641	3586	3533
80°	3421	3368	3289
85°	3143	3143	2981

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4313 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	3.2
10°-20°	374.1	9.3
20°-30°	567.4	14.1
30°-40°	685.3	17.1
40°-50°	714.5	17.8
50°-60°	651.1	16.2
60°-70°	504.6	12.6
70°-80°	300.2	7.5
80°-90°	91.5	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°	1071.7	26.7
0°-40°	1757.0	43.7
0°-60°	3122.7	77.7
0°-90°	4019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1363	1370	1370	1370	1369	130
15°	1322	1328	1328	1326	1323	373
25°	1228	1234	1234	1230	1230	566
35°	1094	1099	1097	1094	1092	684
45°	926	931	926	922	925	715
55°	730	732	730	724	724	652
65°	514	514	511	504	507	508
75°	288	288	283	276	279	305
85°	84	84	84	76	79	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.2	1374.2	1374.2	1374.2	1374.2
2.5°	1367.2	1375.7	1374.2	1372.8	1372.8
5°	1362.9	1370.0	1370.0	1370.0	1368.6
7.5°	1354.4	1364.3	1364.3	1361.5	1360.1
10°	1347.3	1355.8	1355.8	1354.4	1353.0
12.5°	1337.4	1343.1	1343.1	1341.7	1340.2
15°	1321.8	1327.5	1327.5	1326.1	1323.2
17.5°	1300.6	1309.1	1309.1	1304.8	1304.8
20°	1279.3	1287.8	1286.4	1283.6	1282.1
22.5°	1255.2	1262.3	1260.9	1258.1	1256.6
25°	1228.3	1234.0	1234.0	1229.7	1229.7
27.5°	1197.1	1204.2	1202.8	1198.6	1197.1
30°	1164.6	1170.2	1168.8	1164.6	1163.1
32.5°	1132.0	1136.2	1134.8	1129.1	1127.7
35°	1093.7	1099.4	1096.6	1093.7	1092.3
37.5°	1054.1	1059.7	1058.3	1054.1	1054.1
40°	1014.4	1017.2	1017.2	1011.6	1011.6
42.5°	971.9	976.1	973.3	967.6	967.6
45°	926.5	930.8	926.5	922.3	925.1
47.5°	879.8	884.0	881.2	875.5	875.5
50°	831.6	834.5	831.6	827.4	827.4
52.5°	782.0	786.3	782.0	777.8	776.4
55°	729.6	732.5	729.6	724.0	724.0
57.5°	677.2	680.0	675.8	670.1	673.0
60°	624.8	626.2	623.4	616.3	619.1
62.5°	569.5	570.9	566.7	561.0	562.4
65°	514.3	514.3	511.4	504.4	507.2
67.5°	457.6	457.6	454.8	447.7	450.5
70°	400.9	400.9	396.7	391.0	392.4
72.5°	344.3	344.3	340.0	334.3	337.2
75°	287.6	287.6	283.3	276.3	279.1
77.5°	233.8	233.8	230.9	222.4	225.3
80°	181.3	182.8	178.5	170.0	174.3
82.5°	130.3	130.3	130.3	123.3	124.7
85°	83.6	83.6	83.6	76.5	79.3
87.5°	39.7	39.7	39.7	36.8	36.8
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	17.17	18.82	17.53	19.14	19.45	17.08	18.73	17.44	19.05	19.36
	3H	19.06	20.56	19.44	20.89	21.25	18.95	20.45	19.33	20.78	21.14
	4H	19.79	21.21	20.19	21.56	21.93	19.66	21.08	20.06	21.42	21.80
	6H	20.36	21.68	20.78	22.04	22.43	20.20	21.52	20.61	21.88	22.27
	8H	20.56	21.82	20.98	22.21	22.60	20.39	21.65	20.81	22.04	22.43
	12H	20.70	21.91	21.13	22.29	22.72	20.52	21.73	20.95	22.11	22.54
4H	2H	17.82	19.24	18.22	19.58	19.96	17.75	19.17	18.15	19.51	19.89
	3H	19.94	21.13	20.35	21.53	21.93	19.84	21.03	20.25	21.43	21.83
	4H	20.81	21.89	21.24	22.30	22.74	20.68	21.76	21.11	22.17	22.60
	6H	21.52	22.47	21.97	22.91	23.36	21.35	22.29	21.80	22.73	23.19
	8H	21.77	22.66	22.23	23.10	23.56	21.59	22.47	22.05	22.91	23.38
	12H	21.97	22.76	22.45	23.24	23.71	21.77	22.57	22.25	23.04	23.51
8H	4H	21.14	22.03	21.60	22.47	22.94	21.03	21.91	21.49	22.35	22.82
	6H	21.99	22.73	22.49	23.22	23.69	21.83	22.57	22.32	23.05	23.53
	8H	22.33	22.99	22.84	23.50	23.98	22.15	22.81	22.65	23.31	23.80
	12H	22.61	23.20	23.12	23.69	24.25	22.41	23.00	22.92	23.49	24.05
12H	4H	21.18	21.98	21.66	22.46	22.92	21.08	21.87	21.55	22.35	22.82
	6H	22.06	22.73	22.57	23.23	23.72	21.91	22.57	22.41	23.08	23.56
	8H	22.46	23.05	22.97	23.54	24.10	22.29	22.88	22.79	23.36	23.92