

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P563576

Luminaire Tested: **22CGTS-L3C3-LOW-3500K**

Issue Date: 8/1/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LCS210329025BSA)  
Test Lab:  
Issue Date: 8/1/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTS-L3C3-LOW-3500K  
Description: 2X2 CGTS WITH LOW LUMEN SETTING AND 3500K CCT

Light Source: -  
Ballast/Driver: -

**Summary**

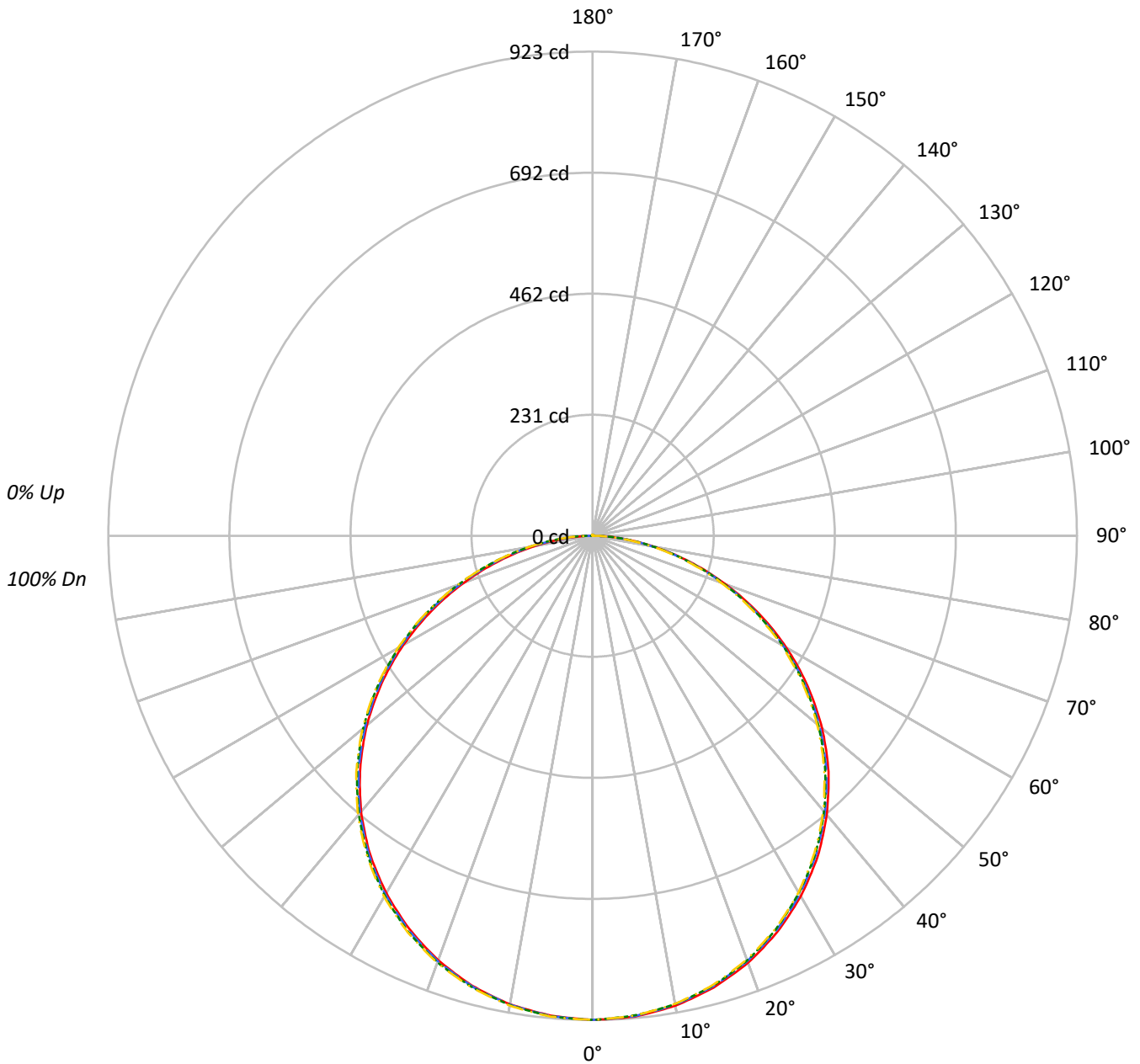
Lumens per Lamp: 3510.7 (1 lamp)  
Luminaire Lumens: 2720.1 lumens  
Efficiency: 77.5%  
Efficacy: 123.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): 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: 25 FT

TEST NUMBER: P563576

CATALOG NUMBER: 22CGTS-L3C3-LOW-3500K

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	92	92	92	92	90	90	90	90	86	86	86	82	82	82	79	79	79	77				77															
1	84	80	77	74	82	78	75	73	75	73	70	72	70	68	69	68	66				64																
2	76	70	64	60	74	68	63	59	65	61	58	63	59	56	60	58	55				53																
3	69	61	55	49	67	60	54	49	57	52	48	55	51	47	53	50	46				45																
4	63	54	47	42	62	53	46	41	51	45	41	49	44	40	47	43	40				38																
5	58	48	41	36	57	47	41	36	46	40	35	44	39	35	43	38	34				33																
6	54	43	36	31	52	43	36	31	41	35	31	40	35	31	39	34	30				29																
7	50	39	32	28	48	39	32	27	37	32	27	36	31	27	35	30	27				25																
8	46	36	29	25	45	35	29	24	34	28	24	33	28	24	32	28	24				22																
9	43	33	26	22	42	32	26	22	31	26	22	31	25	22	30	25	22				20																
10	41	30	24	20	40	30	24	20	29	24	20	28	23	20	28	23	20				18																

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	2483	2483	2483	2483
5°	2485	2479	2480	2483
10°	2486	2477	2478	2482
15°	2484	2473	2474	2481
20°	2481	2467	2465	2478
25°	2474	2456	2456	2472
30°	2465	2443	2444	2462
35°	2455	2431	2432	2451
40°	2438	2411	2412	2435
45°	2419	2385	2385	2416
50°	2390	2351	2350	2389
55°	2350	2308	2304	2349
60°	2295	2251	2242	2297
65°	2220	2173	2156	2227
70°	2118	2077	2045	2139
75°	1988	1951	1902	2030
80°	1807	1793	1697	1900
85°	1556	1544	1392	1732



TEST NUMBER: P563576

CATALOG NUMBER: 22CGTS-L3C3-LOW-3500K

**ZONAL LUMENS:**

**CANDELA DISTRIBUTION:**

Zone	Lumens	% Fixture	% Lamp		0°	90°	180°	270°	360°	Flux
0°-10°	87.4	3.2	2.5	0°	923	923	923	923	923	
10°-20°	251.0	9.2	7.2	5°	920	918	918	919	920	87
20°-30°	382.5	14.1	10.9	15°	892	888	888	890	892	252
30°-40°	464.7	17.1	13.2	25°	833	827	827	833	833	384
40°-50°	486.1	17.9	13.8	35°	747	740	740	746	747	467
50°-60°	442.7	16.3	12.6	45°	636	627	627	635	636	490
60°-70°	340.7	12.5	9.7	55°	501	492	491	501	501	447
70°-80°	200.8	7.4	5.7	65°	349	341	339	350	349	345
80°-90°	59.4	2.2	1.7	75°	191	188	183	195	191	203
90°-100°	0.7	0.0	0.0	85°	50	50	45	56	50	56
100°-110°	0.5	0.0	0.0	90°	1	0	0	2	1	7
110°-120°	0.5	0.0	0.0	95°	0	0	0	0	0	0
120°-130°	0.6	0.0	0.0	105°	0	0	0	0	0	0
130°-140°	0.6	0.0	0.0	115°	0	1	1	0	0	0
140°-150°	0.7	0.0	0.0	125°	0	1	1	0	0	0
150°-160°	0.6	0.0	0.0	135°	0	1	1	0	0	0
160°-170°	0.4	0.0	0.0	145°	1	1	1	1	1	1
170°-180°	0.2	0.0	0.0	155°	1	2	2	1	1	0
0°-30°	720.9	26.5	20.5	165°	1	2	2	1	1	0
0°-40°	1185.6	43.6	33.8	175°	2	2	2	2	2	0
0°-60°	2114.5	77.7	60.2	180°	2	2	2	2	2	
<b>0°-90°</b>	<b>2715.4</b>	<b>99.8</b>	<b>77.3</b>							
90°-120°	1.7	0.1	0.0							
90°-150°	3.5	0.1	0.1							
<b>90°-180°</b>	<b>5.0</b>	<b>0.2</b>	<b>0.1</b>							
0°-180°	2720.1	100.0	77.5							



TEST NUMBER: P563576

CATALOG NUMBER: 22CGTS-L3C3-LOW-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8
5°	920.1	919.5	919.0	918.9	917.8	918.4	918.1	918.1	918.1	918.6	918.8
10°	909.7	908.4	907.4	906.9	906.5	906.5	906.0	906.2	906.9	907.0	907.5
15°	891.5	890.1	888.8	887.8	887.8	886.9	886.4	887.1	888.0	888.6	889.2
20°	866.3	864.5	862.4	861.2	861.6	860.0	859.5	860.3	860.8	862.0	862.9
25°	833.2	831.5	829.6	827.7	827.2	826.4	825.7	826.1	827.1	828.5	829.7
30°	793.3	791.3	789.2	787.2	786.2	785.2	784.8	785.1	786.6	787.9	789.8
35°	747.4	744.7	742.2	739.1	740.0	738.3	737.2	738.0	740.2	741.5	743.2
40°	694.1	691.6	688.5	685.7	686.3	684.6	683.9	684.4	686.6	687.6	690.0
45°	635.7	632.6	629.8	626.5	626.6	624.8	623.6	624.7	626.6	628.3	630.3
50°	571.0	567.5	564.5	561.1	561.5	559.6	558.3	559.1	561.4	562.9	566.1
55°	500.8	497.6	494.5	491.4	491.9	490.0	488.1	488.8	491.0	492.8	496.2
60°	426.4	423.0	419.7	416.7	418.3	416.1	414.3	414.2	416.5	418.6	422.8
65°	348.6	345.6	342.6	339.9	341.3	339.4	337.1	336.5	338.6	341.3	345.6
70°	269.2	266.3	264.2	261.8	264.0	261.6	259.4	258.3	259.9	262.9	267.7
75°	191.2	189.0	187.3	185.7	187.6	185.8	183.4	181.9	182.9	186.0	190.9
80°	116.6	114.8	114.8	113.8	115.7	113.9	111.1	108.9	109.5	112.5	118.0
85°	50.4	49.0	48.7	48.5	50.0	48.4	45.5	44.3	45.1	47.2	51.4
90°	1.2	1.0	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.8
95°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
100°	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4
105°	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.5
110°	0.3	0.3	0.4	0.3	0.6	0.7	0.7	0.6	0.5	0.6	0.7
115°	0.3	0.3	0.4	0.3	0.7	0.8	0.8	0.7	0.7	0.8	0.8
120°	0.3	0.3	0.4	0.3	0.8	0.9	0.9	0.7	0.8	0.8	1.0
125°	0.3	0.3	0.4	0.3	0.8	1.0	0.9	0.7	0.8	0.8	1.0
130°	0.3	0.3	0.4	0.3	0.9	1.1	1.0	0.8	0.9	1.0	1.1
135°	0.5	0.3	0.4	0.3	1.1	1.1	1.1	1.1	1.1	1.3	1.2
140°	0.8	0.6	0.4	0.5	1.1	1.3	1.2	1.2	1.2	1.4	1.3
145°	1.0	1.0	0.5	0.8	1.3	1.3	1.3	1.4	1.3	1.4	1.4
150°	1.0	1.0	1.0	1.0	1.4	1.5	1.5	1.5	1.4	1.5	1.5
155°	1.0	1.0	1.0	1.0	1.6	1.7	1.7	1.7	1.5	1.8	1.7
160°	1.0	1.0	1.0	1.0	1.8	1.9	1.9	1.7	1.8	1.8	2.0
165°	1.3	1.3	1.1	1.1	1.9	1.9	2.0	1.7	1.8	1.8	1.9
170°	1.4	1.5	1.3	1.4	2.0	1.9	2.1	1.7	1.8	1.8	2.0
175°	1.7	1.8	1.6	1.9	2.1	1.9	2.1	1.7	1.8	1.8	2.0
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P563576

CATALOG NUMBER: 22CGTS-L3C3-LOW-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	922.8	922.8	922.8	922.8	922.8	922.8
5°	919.2	919.3	920.3	920.1	920.2	920.1
10°	908.2	908.4	909.6	909.5	909.7	909.7
15°	890.1	890.4	891.7	891.6	891.8	891.5
20°	865.0	865.3	866.5	866.4	866.5	866.3
25°	831.8	832.6	834.2	834.0	834.1	833.2
30°	791.8	792.4	794.2	794.8	794.6	793.3
35°	745.5	746.1	747.9	748.2	747.9	747.4
40°	692.8	693.1	695.0	695.4	695.0	694.1
45°	633.5	634.8	636.3	637.0	636.2	635.7
50°	568.8	570.6	571.7	572.3	571.7	571.0
55°	499.7	500.7	502.4	502.8	501.9	500.8
60°	426.2	426.8	428.6	428.7	427.3	426.4
65°	349.5	349.7	351.9	351.5	349.8	348.6
70°	271.6	271.9	273.8	273.1	270.9	269.2
75°	195.5	195.2	196.9	195.8	193.5	191.2
80°	123.0	122.6	123.8	122.7	119.3	116.6
85°	56.6	56.1	57.2	55.5	52.7	50.4
90°	2.1	1.7	2.4	2.5	1.9	1.2
95°	0.4	0.5	0.5	0.5	0.5	0.5
100°	0.4	0.4	0.4	0.4	0.4	0.3
105°	0.4	0.4	0.4	0.4	0.3	0.3
110°	0.6	0.4	0.4	0.4	0.3	0.3
115°	0.7	0.4	0.4	0.4	0.3	0.3
120°	0.8	0.4	0.4	0.4	0.3	0.3
125°	0.8	0.4	0.4	0.4	0.3	0.3
130°	1.0	0.4	0.4	0.4	0.3	0.3
135°	1.1	0.4	0.4	0.4	0.4	0.5
140°	1.1	0.8	0.8	0.4	0.7	0.8
145°	1.3	1.0	1.0	0.6	1.0	1.0
150°	1.5	1.0	1.0	1.0	1.0	1.0
155°	1.7	1.0	1.0	1.0	1.0	1.0
160°	1.7	1.0	1.0	1.0	1.0	1.0
165°	1.7	1.1	1.1	1.1	1.2	1.3
170°	1.7	1.4	1.4	1.3	1.4	1.4
175°	1.7	1.8	2.0	1.5	1.8	1.7
180°	1.7	1.7	1.7	1.7	1.7	1.7



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°









(END OF REPORT)