

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: P563577

Luminaire Tested: **22CGTS-L3C3-LOW-4000K**

Issue Date: 8/1/2022



Test Information

Test Method: LM-79-08
Report Number: P563577
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-4000K
Description: 2X2 CGTS WITH LOW LUMEN SETTING AND 4000K CCT

Light Source: -
Ballast/Driver: -

Summary

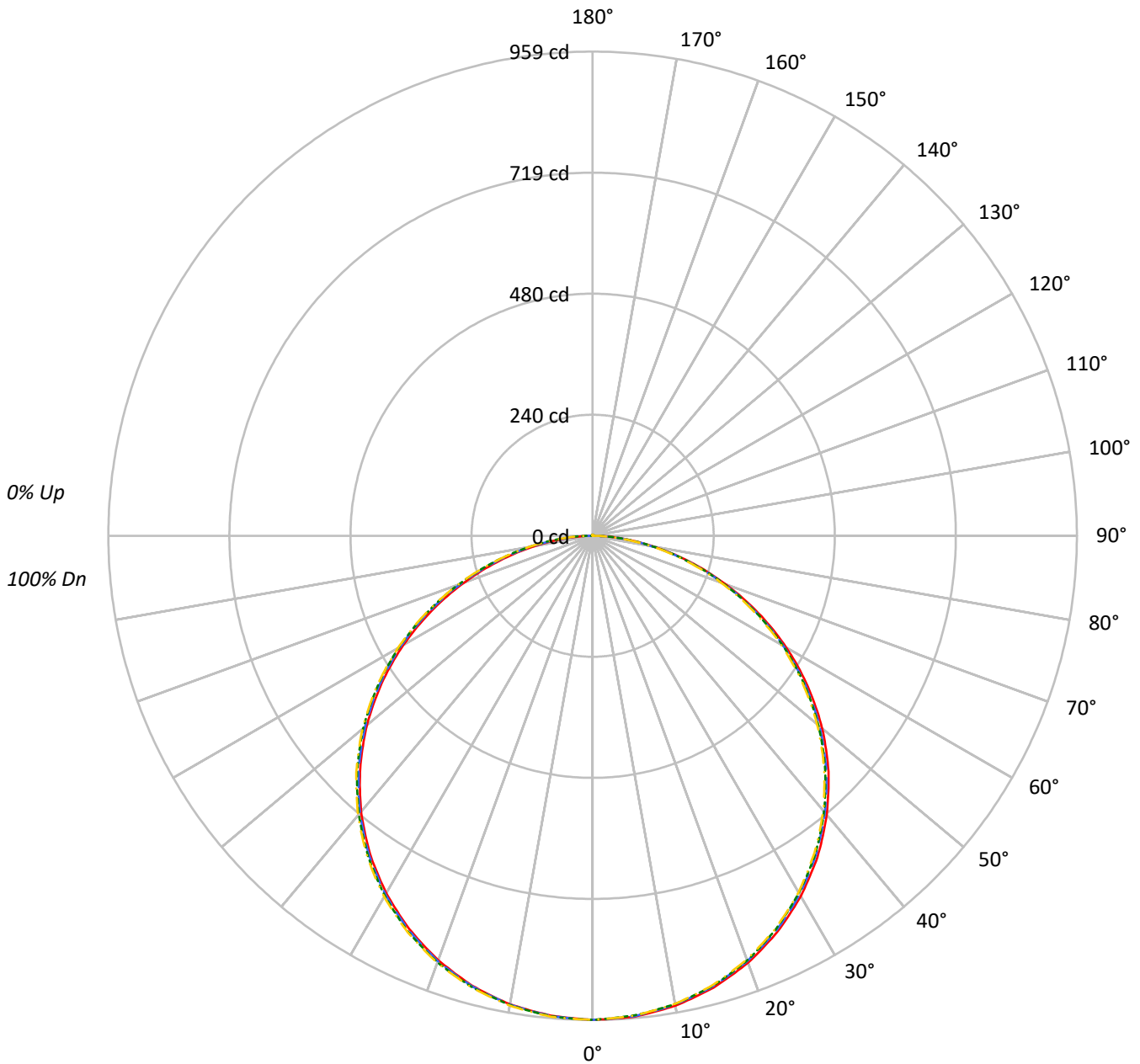
Lumens per Lamp: 3510.7 (1 lamp)
Luminaire Lumens: 2826.1 lumens
Efficiency: 80.5%
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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: P563577

CATALOG NUMBER: 22CGTS-L3C3-LOW-4000K

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	96	96	96	96	94	94	94	94	89	89	89	86	86	86	82	82	82	80																			
1	87	83	80	77	85	81	78	75	78	75	73	75	73	71	72	70	69	67																			
2	79	72	67	62	77	71	66	61	68	64	60	65	62	58	63	60	57	55																			
3	72	63	57	51	70	62	56	51	60	54	50	57	53	49	55	52	48	46																			
4	66	56	49	43	64	55	48	43	53	47	42	51	46	42	49	45	41	40																			
5	61	50	43	37	59	49	42	37	47	41	37	46	40	36	44	40	36	34																			
6	56	45	38	32	54	44	37	32	43	37	32	41	36	32	40	35	31	30																			
7	52	41	34	29	50	40	33	29	39	33	28	38	32	28	37	32	28	26																			
8	48	37	30	25	47	37	30	25	36	30	25	34	29	25	34	29	25	23																			
9	45	34	27	23	44	34	27	23	33	27	23	32	26	23	31	26	22	21																			
10	42	31	25	21	41	31	25	21	30	25	21	29	24	20	29	24	20	19																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2580	2580	2580	2580
5°	2582	2576	2577	2580
10°	2582	2573	2575	2579
15°	2580	2570	2570	2577
20°	2577	2564	2561	2574
25°	2570	2552	2552	2569
30°	2561	2538	2540	2558
35°	2551	2526	2526	2546
40°	2533	2505	2506	2530
45°	2514	2477	2477	2510
50°	2484	2442	2442	2482
55°	2441	2398	2394	2441
60°	2384	2339	2329	2386
65°	2306	2258	2240	2313
70°	2201	2158	2125	2223
75°	2066	2026	1975	2109
80°	1877	1863	1764	1973
85°	1618	1606	1445	1800



TEST NUMBER: P563577

CATALOG NUMBER: 22CGTS-L3C3-LOW-4000K

ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	90°	180°	270°	360°	Flux
0°-10°	90.8	3.2	2.6	0°	959	959	959	959	959	
10°-20°	260.8	9.2	7.4	5°	956	954	954	955	956	91
20°-30°	397.5	14.1	11.3	15°	926	922	923	925	926	262
30°-40°	482.8	17.1	13.8	25°	866	859	859	865	866	399
40°-50°	505.0	17.9	14.4	35°	776	769	769	775	776	486
50°-60°	460.0	16.3	13.1	45°	660	651	651	660	660	509
60°-70°	354.0	12.5	10.1	55°	520	511	510	520	520	465
70°-80°	208.6	7.4	5.9	65°	362	355	352	363	362	358
80°-90°	61.7	2.2	1.8	75°	199	195	190	203	199	211
90°-100°	0.7	0.0	0.0	85°	52	52	47	58	52	58
100°-110°	0.5	0.0	0.0	90°	1	0	0	2	1	8
110°-120°	0.5	0.0	0.0	95°	0	0	0	1	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	1
0°-30°	749.0	26.5	21.3	165°	1	2	2	1	1	0
0°-40°	1231.8	43.6	35.1	175°	2	2	2	2	2	0
0°-60°	2196.9	77.7	62.6	180°	2	2	2	2	2	
0°-90°	2821.2	99.8	80.4							
90°-120°	1.7	0.1	0.0							
90°-150°	3.6	0.1	0.1							
90°-180°	5.0	0.2	0.1							
0°-180°	2826.1	100.0	80.5							



TEST NUMBER: P563577

CATALOG NUMBER: 22CGTS-L3C3-LOW-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8	958.8
5°	956.0	955.4	954.9	954.7	953.5	954.2	953.9	953.9	953.9	954.4	954.6
10°	945.1	943.8	942.7	942.3	941.8	941.8	941.3	941.6	942.3	942.4	942.9
15°	926.2	924.8	923.4	922.4	922.4	921.5	921.0	921.6	922.6	923.2	923.8
20°	900.0	898.2	896.0	894.8	895.2	893.6	893.0	893.8	894.3	895.6	896.5
25°	865.7	863.9	861.9	859.9	859.4	858.6	857.8	858.2	859.4	860.8	862.1
30°	824.2	822.1	820.0	817.9	816.8	815.8	815.4	815.7	817.3	818.6	820.5
35°	776.5	773.7	771.1	767.9	768.9	767.1	765.9	766.8	769.0	770.4	772.1
40°	721.2	718.5	715.3	712.4	713.0	711.3	710.5	711.1	713.3	714.4	716.9
45°	660.5	657.2	654.4	651.0	651.0	649.2	647.9	649.1	651.0	652.7	654.9
50°	593.3	589.6	586.5	583.0	583.4	581.4	580.0	580.9	583.3	584.8	588.2
55°	520.3	517.0	513.8	510.5	511.1	509.1	507.1	507.9	510.2	512.0	515.6
60°	443.0	439.5	436.1	433.0	434.6	432.3	430.5	430.4	432.7	434.9	439.3
65°	362.1	359.1	355.9	353.1	354.6	352.7	350.2	349.6	351.8	354.6	359.1
70°	279.7	276.7	274.5	272.0	274.3	271.8	269.5	268.4	270.1	273.1	278.1
75°	198.7	196.4	194.6	192.9	194.9	193.1	190.5	189.0	190.0	193.3	198.3
80°	121.1	119.3	119.2	118.2	120.2	118.3	115.5	113.1	113.8	116.9	122.6
85°	52.4	50.9	50.6	50.4	52.0	50.3	47.2	46.1	46.8	49.0	53.4
90°	1.3	1.0	1.0	1.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9
95°	0.5	0.5	0.5	0.6	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	0.6
110°	0.3	0.3	0.4	0.3	0.6	0.7	0.7	0.6	0.6	0.6	0.7
115°	0.3	0.3	0.4	0.3	0.7	0.8	0.8	0.7	0.7	0.9	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	0.9	1.0	0.9	0.7	0.8	0.8	1.0
130°	0.3	0.3	0.4	0.3	0.9	1.2	1.1	0.9	0.9	1.1	1.1
135°	0.5	0.3	0.4	0.3	1.1	1.2	1.1	1.1	1.2	1.3	1.2
140°	0.8	0.6	0.4	0.5	1.2	1.3	1.2	1.2	1.2	1.4	1.4
145°	1.1	1.1	0.6	0.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.1	1.1	1.1	1.1	1.5	1.6	1.6	1.6	1.4	1.6	1.6
155°	1.1	1.1	1.0	1.1	1.7	1.7	1.8	1.7	1.6	1.9	1.8
160°	1.1	1.1	1.0	1.1	1.9	2.0	2.0	1.7	1.9	1.9	2.0
165°	1.4	1.3	1.2	1.1	2.0	2.0	2.1	1.7	1.9	1.9	2.0
170°	1.5	1.5	1.4	1.5	2.0	2.0	2.2	1.7	1.9	1.9	2.0
175°	1.8	1.9	1.7	2.0	2.2	2.0	2.2	1.7	1.9	1.9	2.0
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



TEST NUMBER: P563577

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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	958.8	958.8	958.8	958.8	958.8	958.8
5°	955.0	955.1	956.2	956.0	956.1	956.0
10°	943.6	943.8	945.0	945.0	945.1	945.1
15°	924.8	925.1	926.5	926.3	926.5	926.2
20°	898.7	899.0	900.3	900.1	900.3	900.0
25°	864.2	865.1	866.7	866.5	866.7	865.7
30°	822.6	823.3	825.1	825.8	825.6	824.2
35°	774.5	775.1	777.0	777.3	777.0	776.5
40°	719.8	720.2	722.1	722.5	722.1	721.2
45°	658.2	659.6	661.1	661.8	661.0	660.5
50°	590.9	592.8	594.0	594.6	594.0	593.3
55°	519.2	520.2	522.0	522.4	521.4	520.3
60°	442.8	443.4	445.3	445.4	444.0	443.0
65°	363.1	363.3	365.6	365.2	363.5	362.1
70°	282.1	282.5	284.4	283.7	281.4	279.7
75°	203.1	202.8	204.6	203.5	201.1	198.7
80°	127.8	127.3	128.6	127.5	124.0	121.1
85°	58.8	58.3	59.4	57.7	54.8	52.4
90°	2.2	1.8	2.5	2.6	2.0	1.3
95°	0.4	0.6	0.5	0.5	0.6	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°	0.9	0.4	0.4	0.4	0.3	0.3
130°	1.1	0.4	0.4	0.4	0.3	0.3
135°	1.1	0.4	0.4	0.4	0.4	0.5
140°	1.2	0.8	0.8	0.4	0.7	0.8
145°	1.4	1.0	1.1	0.6	1.0	1.1
150°	1.5	1.1	1.1	1.0	1.1	1.1
155°	1.7	1.1	1.1	1.0	1.1	1.1
160°	1.8	1.1	1.1	1.0	1.1	1.1
165°	1.8	1.2	1.2	1.1	1.2	1.4
170°	1.8	1.4	1.5	1.4	1.4	1.5
175°	1.8	1.9	2.0	1.6	1.9	1.8
180°	1.8	1.8	1.8	1.8	1.8	1.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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









(END OF REPORT)