

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: P563578

Luminaire Tested: **22CGTS-L3C3-LOW-5000K**

Issue Date: 8/1/2022



Test Information

Test Method: LM-79-08
Report Number: P563578
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-5000K
Description: 2X2 CGTS WITH LOW LUMEN SETTING AND 5000K CCT

Light Source: -
Ballast/Driver: -

Summary

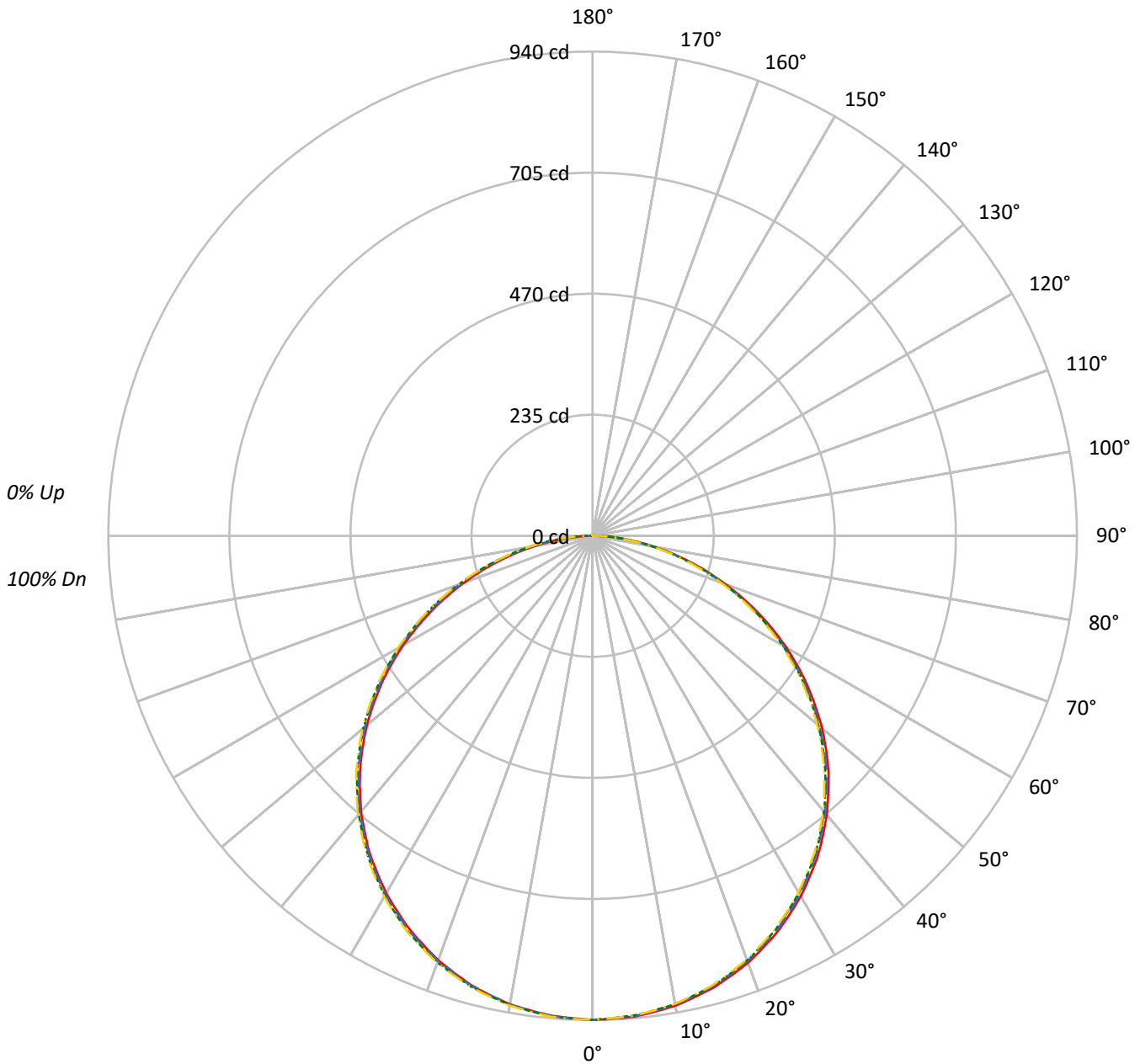
Lumens per Lamp: 3510.7 (1 lamp)
Luminaire Lumens: 2770.1 lumens
Efficiency: 78.9%
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.9
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: 25 FT

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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	94	94	94	94	92	92	92	92	88	88	88	84	84	84	80	80	80	80	80	80	79																
1	86	82	78	75	83	80	77	74	76	74	71	73	71	69	70	69	67	70	69	67	65																
2	78	71	65	61	76	69	64	60	67	62	59	64	60	57	62	59	56	62	59	56	54																
3	71	62	56	50	69	61	55	50	59	53	49	56	52	48	54	51	47	54	51	47	46																
4	65	55	48	43	63	54	47	42	52	46	42	50	45	41	48	44	40	48	44	40	39																
5	59	49	42	37	58	48	41	36	46	40	36	45	40	36	43	39	35	43	39	35	33																
6	55	44	37	32	53	43	37	32	42	36	31	41	35	31	39	35	31	39	35	31	29																
7	51	40	33	28	49	39	33	28	38	32	28	37	32	28	36	31	27	36	31	27	26																
8	47	36	30	25	46	36	29	25	35	29	25	34	28	25	33	28	24	33	28	24	23																
9	44	33	27	22	43	33	27	22	32	26	22	31	26	22	30	26	22	30	26	22	21																
10	41	31	25	20	40	30	24	20	30	24	20	29	24	20	28	23	20	28	23	20	19																

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2529	2529	2529	2529
5°	2531	2525	2526	2529
10°	2531	2523	2524	2528
15°	2529	2519	2519	2526
20°	2526	2513	2510	2523
25°	2519	2501	2501	2518
30°	2510	2488	2489	2508
35°	2500	2476	2476	2496
40°	2483	2455	2456	2480
45°	2464	2428	2428	2460
50°	2434	2394	2393	2433
55°	2393	2350	2346	2392
60°	2337	2293	2282	2339
65°	2260	2213	2195	2267
70°	2157	2115	2083	2179
75°	2025	1987	1936	2067
80°	1839	1826	1728	1934
85°	1584	1572	1417	1763



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	90°	180°	270°	360°	Flux
0°-10°	89.0	3.2	2.5	0°	940	940	940	940	940	
10°-20°	255.6	9.2	7.3	5°	937	935	935	936	937	89
20°-30°	389.6	14.1	11.1	15°	908	904	904	907	908	256
30°-40°	473.3	17.1	13.5	25°	848	842	842	848	848	391
40°-50°	495.0	17.9	14.1	35°	761	754	754	760	761	476
50°-60°	450.9	16.3	12.8	45°	647	638	638	646	647	499
60°-70°	347.0	12.5	9.9	55°	510	501	500	510	510	456
70°-80°	204.5	7.4	5.8	65°	355	348	345	356	355	351
80°-90°	60.5	2.2	1.7	75°	195	191	186	199	195	206
90°-100°	0.7	0.0	0.0	85°	51	51	46	57	51	57
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°	734.2	26.5	20.9	165°	1	2	2	1	1	0
0°-40°	1207.4	43.6	34.4	175°	2	2	2	2	2	0
0°-60°	2153.4	77.7	61.3	180°	2	2	2	2	2	
0°-90°	2765.3	99.8	78.8							
90°-120°	1.7	0.1	0.0							
90°-150°	3.5	0.1	0.1							
90°-180°	5.0	0.2	0.1							
0°-180°	2770.1	100.0	78.9							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	939.8	939.8	939.8	939.8	939.8	939.8	939.8	939.8	939.8	939.8	939.8
5°	937.0	936.4	935.9	935.8	934.6	935.3	935.0	935.0	935.0	935.5	935.7
10°	926.4	925.1	924.0	923.6	923.2	923.2	922.6	922.9	923.6	923.7	924.2
15°	907.9	906.5	905.1	904.1	904.1	903.2	902.7	903.4	904.3	904.9	905.5
20°	882.2	880.4	878.3	877.0	877.4	875.8	875.3	876.1	876.6	877.9	878.7
25°	848.5	846.8	844.9	842.9	842.4	841.6	840.8	841.2	842.3	843.8	845.0
30°	807.9	805.8	803.8	801.7	800.6	799.7	799.2	799.6	801.1	802.4	804.3
35°	761.1	758.4	755.8	752.6	753.6	751.9	750.7	751.6	753.8	755.1	756.8
40°	706.9	704.3	701.2	698.3	698.9	697.2	696.5	697.0	699.2	700.3	702.7
45°	647.4	644.2	641.4	638.1	638.1	636.3	635.1	636.2	638.1	639.8	641.9
50°	581.5	577.9	574.9	571.5	571.8	569.8	568.5	569.4	571.7	573.2	576.5
55°	510.0	506.8	503.6	500.4	501.0	499.0	497.1	497.8	500.1	501.9	505.4
60°	434.3	430.8	427.4	424.4	426.0	423.7	421.9	421.8	424.1	426.3	430.6
65°	355.0	352.0	348.8	346.1	347.6	345.7	343.3	342.6	344.8	347.5	352.0
70°	274.2	271.2	269.0	266.6	268.8	266.4	264.2	263.1	264.7	267.7	272.6
75°	194.8	192.5	190.7	189.1	191.1	189.2	186.8	185.2	186.2	189.4	194.4
80°	118.7	116.9	116.9	115.9	117.8	116.0	113.2	110.9	111.5	114.6	120.2
85°	51.3	49.9	49.6	49.4	50.9	49.3	46.3	45.2	45.9	48.1	52.3
90°	1.2	1.0	1.0	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9
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	0.6	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	0.8	1.0	0.9	0.7	0.8	0.8	1.0
130°	0.3	0.3	0.4	0.3	0.9	1.2	1.0	0.9	0.9	1.0	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	1.3
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	1.5	1.5	1.6	1.6	1.4	1.6	1.6
155°	1.0	1.0	1.0	1.0	1.6	1.7	1.8	1.7	1.6	1.8	1.8
160°	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.7	1.8	1.8	2.0
165°	1.3	1.3	1.2	1.1	1.9	1.9	2.0	1.7	1.8	1.8	1.9
170°	1.5	1.5	1.3	1.5	2.0	1.9	2.1	1.7	1.8	1.8	2.0
175°	1.8	1.9	1.6	1.9	2.2	1.9	2.1	1.7	1.8	1.8	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



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	939.8	939.8	939.8	939.8	939.8	939.8
5°	936.1	936.2	937.2	937.0	937.1	937.0
10°	924.9	925.1	926.3	926.2	926.4	926.4
15°	906.5	906.8	908.1	908.0	908.2	907.9
20°	880.9	881.2	882.5	882.3	882.5	882.2
25°	847.1	848.0	849.5	849.3	849.5	848.5
30°	806.3	807.0	808.8	809.4	809.2	807.9
35°	759.2	759.8	761.7	761.9	761.7	761.1
40°	705.5	705.9	707.8	708.1	707.8	706.9
45°	645.2	646.5	648.0	648.7	647.9	647.4
50°	579.2	581.1	582.2	582.8	582.2	581.5
55°	508.9	509.9	511.6	512.1	511.1	510.0
60°	434.1	434.6	436.5	436.6	435.2	434.3
65°	355.9	356.1	358.4	357.9	356.3	355.0
70°	276.5	276.9	278.8	278.1	275.8	274.2
75°	199.1	198.8	200.5	199.4	197.1	194.8
80°	125.3	124.8	126.1	125.0	121.5	118.7
85°	57.7	57.1	58.2	56.5	53.7	51.3
90°	2.2	1.8	2.5	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°	0.9	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°	1.2	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°	1.8	1.0	1.0	1.0	1.0	1.0
165°	1.8	1.2	1.2	1.1	1.2	1.3
170°	1.8	1.4	1.5	1.3	1.4	1.5
175°	1.8	1.8	2.0	1.6	1.8	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)