

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: P563575

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

Issue Date: 8/1/2022



Test Information

Test Method: LM-79-08
Report Number: P563575
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-HIGH-5000K
Description: 2X2 CGTS WITH HIGH LUMEN SETTING AND 5000K CCT

Light Source: -
Ballast/Driver: -

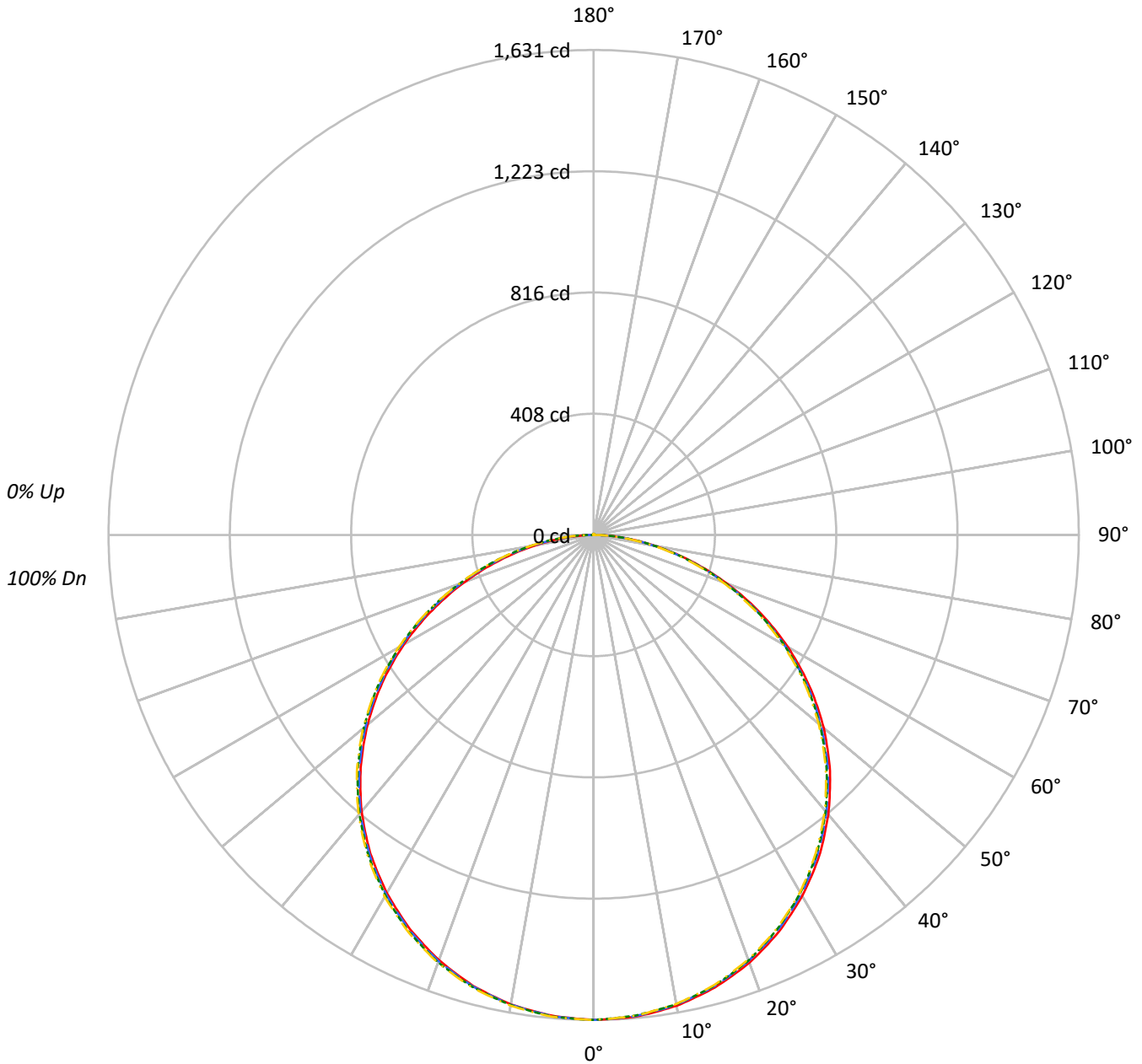
Summary

Lumens per Lamp: 3510.7 (1 lamp)
Luminaire Lumens: 4808.0 lumens
Efficiency: 137.0%
Efficacy: 118.7 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): 40.5
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	163	163	163	163	159	159	159	159	152	152	152	146	146	146	140	140	140	137																			
1	148	142	136	130	145	139	133	128	133	128	124	127	124	120	122	119	117	114																			
2	135	123	114	106	131	121	112	104	116	108	102	111	105	99	107	102	97	94																			
3	123	108	97	87	119	106	95	87	102	93	85	98	90	84	94	88	82	79																			
4	112	95	83	74	109	94	82	73	90	80	72	87	78	71	84	76	70	67																			
5	103	85	73	63	100	84	72	63	81	70	62	78	69	62	75	67	61	58																			
6	95	77	64	55	92	75	64	55	73	62	54	70	61	54	68	60	53	51																			
7	88	69	57	49	86	68	57	49	66	56	48	64	55	48	62	54	47	45																			
8	82	63	51	43	80	62	51	43	60	50	43	59	49	43	57	49	42	40																			
9	77	58	47	39	75	57	46	39	56	46	39	54	45	38	53	44	38	36																			
10	72	53	43	35	70	53	42	35	51	42	35	50	41	35	49	41	35	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4390	4390	4390	4390
5°	4393	4382	4384	4390
10°	4394	4379	4381	4388
15°	4390	4372	4373	4385
20°	4385	4361	4357	4380
25°	4373	4341	4341	4370
30°	4357	4318	4321	4352
35°	4340	4297	4298	4332
40°	4310	4261	4263	4304
45°	4276	4215	4215	4271
50°	4226	4155	4154	4222
55°	4153	4080	4072	4152
60°	4057	3980	3962	4060
65°	3923	3841	3811	3936
70°	3744	3671	3615	3782
75°	3514	3449	3360	3588
80°	3194	3171	3000	3357
85°	2751	2729	2458	3063



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp	0°	90°	180°	270°	360°	Flux	
0°-10°	154.4	3.2	4.4	0°	1631	1631	1631	1631		
10°-20°	443.7	9.2	12.6	5°	1626	1622	1623	1625	155	
20°-30°	676.2	14.1	19.3	15°	1576	1569	1570	1574	1576	445
30°-40°	821.4	17.1	23.4	25°	1473	1462	1462	1472	1473	679
40°-50°	859.3	17.9	24.5	35°	1321	1308	1308	1319	1321	826
50°-60°	782.6	16.3	22.3	45°	1124	1108	1108	1122	1124	866
60°-70°	602.3	12.5	17.2	55°	885	870	868	885	885	791
70°-80°	354.9	7.4	10.1	65°	616	603	598	618	616	610
80°-90°	105.0	2.2	3.0	75°	338	332	323	345	338	358
90°-100°	1.1	0.0	0.0	85°	89	88	80	99	89	99
100°-110°	0.7	0.0	0.0	90°	2	1	1	3	2	13
110°-120°	0.9	0.0	0.0	95°	1	1	1	1	1	1
120°-130°	0.9	0.0	0.0	105°	0	1	1	1	0	1
130°-140°	1.0	0.0	0.0	115°	0	1	1	1	0	0
140°-150°	1.2	0.0	0.0	125°	0	2	1	1	0	0
150°-160°	1.1	0.0	0.0	135°	1	2	2	1	1	1
160°-170°	0.8	0.0	0.0	145°	2	2	2	2	2	1
170°-180°	0.3	0.0	0.0	155°	2	3	3	2	2	1
0°-30°	1274.4	26.5	36.3	165°	2	3	3	2	2	1
0°-40°	2095.8	43.6	59.7	175°	3	4	3	3	3	0
0°-60°	3737.7	77.7	106.5	180°	3	3	3	3	3	
0°-90°	4799.9	99.8	136.7							
90°-120°	2.8	0.1	0.1							
90°-150°	5.9	0.1	0.2							
90°-180°	8.0	0.2	0.2							
0°-180°	4808.0	100.0	137.0							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2
5°	1626.4	1625.4	1624.5	1624.3	1622.3	1623.4	1622.9	1622.9	1622.9	1623.7	1624.1
10°	1608.0	1605.8	1603.9	1603.1	1602.4	1602.4	1601.4	1601.9	1603.2	1603.3	1604.1
15°	1575.8	1573.4	1571.0	1569.3	1569.4	1567.8	1566.9	1568.0	1569.6	1570.7	1571.8
20°	1531.3	1528.1	1524.5	1522.3	1523.0	1520.2	1519.3	1520.6	1521.6	1523.7	1525.3
25°	1472.8	1469.7	1466.5	1463.0	1462.1	1460.8	1459.5	1460.2	1462.1	1464.5	1466.7
30°	1402.3	1398.7	1395.1	1391.5	1389.7	1388.0	1387.3	1387.8	1390.5	1392.8	1396.0
35°	1321.1	1316.3	1311.9	1306.4	1308.1	1305.0	1303.1	1304.5	1308.3	1310.7	1313.7
40°	1227.0	1222.5	1217.0	1212.1	1213.1	1210.2	1208.9	1209.8	1213.6	1215.5	1219.7
45°	1123.7	1118.2	1113.3	1107.5	1107.6	1104.5	1102.4	1104.3	1107.6	1110.5	1114.2
50°	1009.4	1003.2	997.8	991.9	992.5	989.1	986.9	988.4	992.3	995.0	1000.7
55°	885.2	879.6	874.2	868.6	869.6	866.1	862.8	864.1	868.0	871.1	877.2
60°	753.8	747.8	741.9	736.6	739.5	735.4	732.4	732.2	736.2	739.9	747.3
65°	616.1	610.9	605.5	600.8	603.3	600.0	595.9	594.7	598.5	603.2	610.9
70°	475.9	470.7	467.0	462.8	466.6	462.5	458.5	456.6	459.5	464.7	473.1
75°	338.0	334.1	331.1	328.2	331.7	328.5	324.2	321.5	323.2	328.8	337.4
80°	206.1	202.9	202.9	201.2	204.6	201.3	196.4	192.5	193.6	198.8	208.6
85°	89.1	86.6	86.1	85.8	88.4	85.5	80.4	78.4	79.6	83.4	90.8
90°	2.1	1.8	1.7	1.6	0.6	0.6	0.7	0.7	0.7	0.6	1.5
95°	0.8	0.8	0.8	0.9	0.6	0.6	0.6	0.6	0.6	0.6	0.6
100°	0.5	0.6	0.6	0.6	0.6	0.8	0.7	0.6	0.6	0.6	0.6
105°	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.7	0.8	0.8	0.9
110°	0.5	0.5	0.6	0.5	1.1	1.2	1.3	1.1	1.0	1.1	1.3
115°	0.5	0.5	0.6	0.5	1.3	1.4	1.4	1.2	1.3	1.5	1.4
120°	0.5	0.5	0.6	0.5	1.4	1.6	1.6	1.2	1.4	1.4	1.7
125°	0.5	0.5	0.6	0.5	1.5	1.7	1.6	1.2	1.4	1.4	1.7
130°	0.5	0.5	0.6	0.5	1.6	2.0	1.8	1.5	1.6	1.8	1.9
135°	0.8	0.5	0.6	0.5	1.9	2.0	1.9	1.9	2.0	2.2	2.1
140°	1.4	1.1	0.6	0.8	2.0	2.2	2.1	2.1	2.1	2.4	2.3
145°	1.8	1.8	0.9	1.5	2.3	2.3	2.3	2.4	2.3	2.4	2.4
150°	1.8	1.8	1.8	1.8	2.5	2.6	2.7	2.7	2.4	2.7	2.7
155°	1.8	1.8	1.7	1.8	2.8	3.0	3.1	3.0	2.7	3.2	3.1
160°	1.8	1.8	1.7	1.8	3.3	3.4	3.4	3.0	3.2	3.2	3.5
165°	2.3	2.2	2.0	1.9	3.4	3.4	3.5	3.0	3.2	3.2	3.4
170°	2.5	2.6	2.3	2.5	3.5	3.4	3.7	3.0	3.2	3.2	3.5
175°	3.1	3.3	2.8	3.4	3.8	3.4	3.7	3.0	3.2	3.2	3.5
180°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2
5°	1624.8	1625.0	1626.8	1626.4	1626.6	1626.4
10°	1605.4	1605.7	1607.8	1607.7	1608.0	1608.0
15°	1573.4	1573.9	1576.3	1576.0	1576.3	1575.8
20°	1529.0	1529.5	1531.7	1531.4	1531.7	1531.3
25°	1470.3	1471.8	1474.5	1474.2	1474.5	1472.8
30°	1399.6	1400.7	1403.9	1404.9	1404.6	1402.3
35°	1317.7	1318.8	1322.0	1322.5	1322.0	1321.1
40°	1224.6	1225.2	1228.5	1229.2	1228.5	1227.0
45°	1119.8	1122.2	1124.8	1126.0	1124.7	1123.7
50°	1005.4	1008.6	1010.6	1011.6	1010.6	1009.4
55°	883.3	885.0	888.0	888.8	887.2	885.2
60°	753.4	754.4	757.6	757.7	755.4	753.8
65°	617.8	618.2	622.1	621.3	618.4	616.1
70°	480.0	480.7	483.9	482.7	478.8	475.9
75°	345.6	345.1	348.1	346.1	342.1	338.0
80°	217.5	216.6	218.8	217.0	210.9	206.1
85°	100.1	99.2	101.1	98.1	93.2	89.1
90°	3.8	3.1	4.3	4.4	3.3	2.1
95°	0.6	0.9	0.8	0.8	0.9	0.8
100°	0.6	0.6	0.7	0.7	0.6	0.5
105°	0.7	0.6	0.6	0.6	0.5	0.5
110°	1.1	0.6	0.6	0.6	0.5	0.5
115°	1.2	0.6	0.6	0.6	0.5	0.5
120°	1.4	0.6	0.6	0.6	0.5	0.5
125°	1.5	0.6	0.6	0.6	0.5	0.5
130°	1.8	0.6	0.6	0.6	0.5	0.5
135°	1.9	0.6	0.6	0.6	0.6	0.8
140°	2.0	1.4	1.4	0.6	1.3	1.4
145°	2.3	1.7	1.8	1.1	1.7	1.8
150°	2.6	1.8	1.8	1.7	1.8	1.8
155°	3.0	1.8	1.8	1.7	1.8	1.8
160°	3.1	1.8	1.8	1.7	1.8	1.8
165°	3.1	2.0	2.0	1.9	2.1	2.3
170°	3.1	2.4	2.5	2.3	2.4	2.5
175°	3.1	3.2	3.5	2.7	3.2	3.1
180°	3.1	3.1	3.1	3.1	3.1	3.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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









(END OF REPORT)