

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: P709210

Luminaire Tested: **14CGTS-L3C3-MED-3500K**

Issue Date: 9/13/2023



Test Information

Test Method: LM-79-08
Report Number: P709210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-983-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTS-L3C3-MED-3500K
Description: 1X4 CGT SELECTABLE AT 3500K, MED LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

Summary

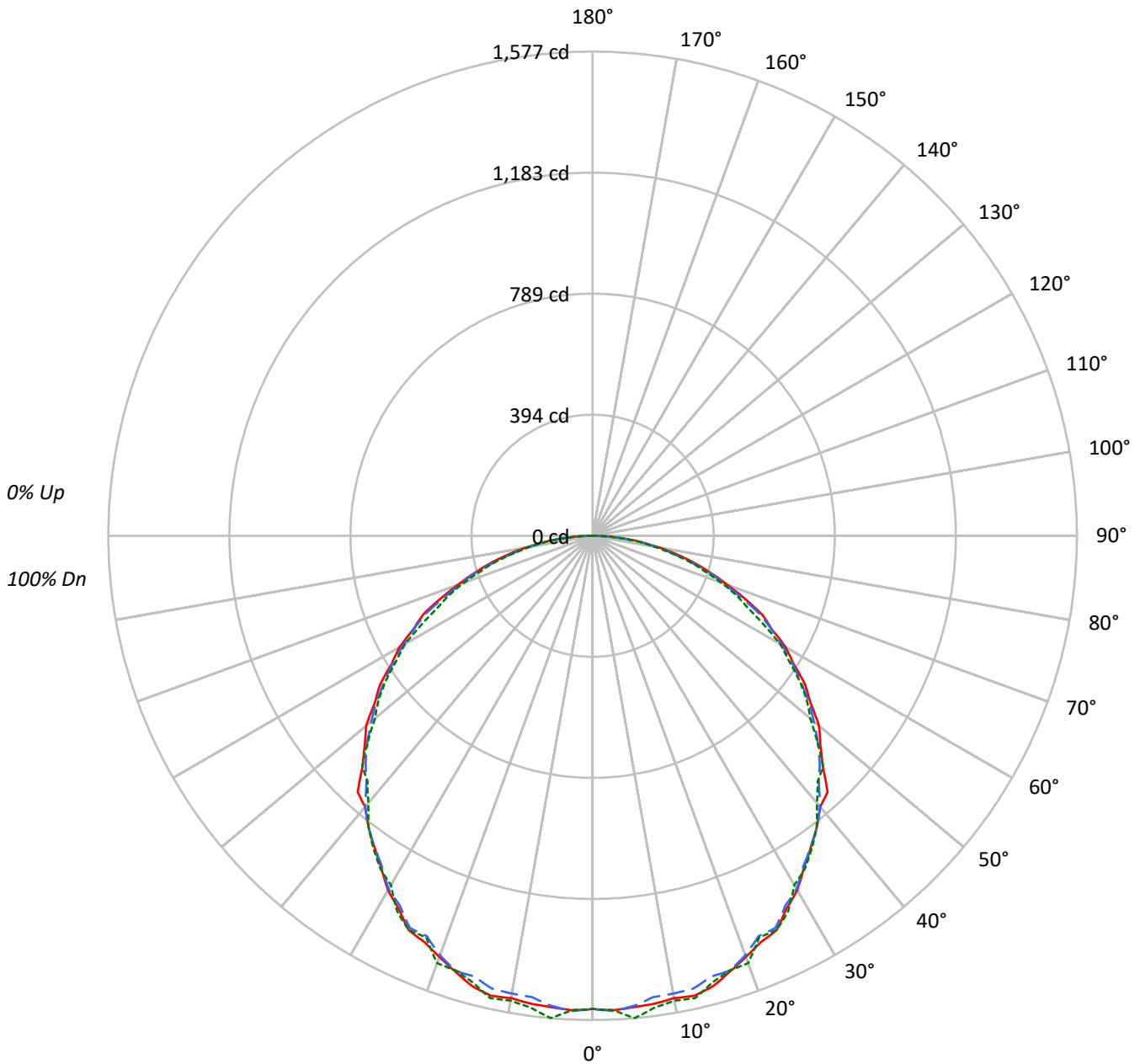
Lumens per Lamp: N/A
Luminaire Lumens: 4582.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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

TEST NUMBER: P709210

CATALOG NUMBER: 14CGTS-L3C3-MED-3500K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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								
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69								
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57								
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49								
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42								
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37								
7	64	51	42	35	62	50	41	35	48	41	35	47	40	35	45	39	34	32								
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29								
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4148	4148	4148
5°	4163	4152	4259
10°	4178	4137	4200
15°	4230	4142	4195
20°	4180	4164	4242
25°	4208	4184	4208
30°	4141	4129	4082
35°	4070	4065	4087
40°	4050	4045	3993
45°	4030	3978	4040
50°	4028	3936	3874
55°	3964	3881	3856
60°	3909	3829	3792
65°	3887	3810	3557
70°	3677	3570	3496
75°	3570	3414	3401
80°	3400	3295	3147
85°	3199	2989	2819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.7	3.2
10°-20°	423.9	9.3
20°-30°	643.3	14.0
30°-40°	776.9	17.0
40°-50°	809.6	17.7
50°-60°	741.4	16.2
60°-70°	579.8	12.7
70°-80°	350.9	7.7
80°-90°	109.6	2.4
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°	1213.9	26.5
0°-40°	1990.8	43.4
0°-60°	3541.7	77.3
0°-90°	4582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1541	1541	1541	1541	1541	
5°	1541	1537	1537	1562	1577	147
15°	1518	1491	1487	1499	1506	427
25°	1417	1394	1409	1416	1417	648
35°	1239	1244	1237	1247	1244	777
45°	1059	1044	1045	1053	1062	821
55°	845	833	827	831	822	751
65°	610	589	598	582	559	594
75°	343	338	328	328	327	363
85°	104	101	97	94	91	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1541.3	1541.3	1541.3	1541.3	1541.3
2.5°	1546.8	1537.2	1549.5	1548.1	1546.8
5°	1541.3	1537.2	1537.2	1561.8	1576.8
7.5°	1537.2	1525.0	1515.4	1545.4	1549.5
10°	1529.1	1522.3	1514.1	1527.7	1537.2
12.5°	1534.5	1511.3	1511.3	1533.2	1542.7
15°	1518.2	1490.9	1486.8	1499.1	1505.9
17.5°	1488.2	1460.9	1485.5	1501.8	1484.1
20°	1459.6	1445.9	1454.1	1462.3	1481.4
22.5°	1432.3	1407.8	1411.9	1414.6	1416.0
25°	1417.3	1394.1	1409.1	1416.0	1417.3
27.5°	1368.3	1346.4	1358.7	1357.4	1379.2
30°	1332.8	1308.3	1328.7	1336.9	1313.7
32.5°	1281.0	1272.9	1276.9	1289.2	1286.5
35°	1238.8	1244.2	1237.4	1247.0	1244.2
37.5°	1197.9	1187.0	1199.3	1218.3	1197.9
40°	1152.9	1142.0	1151.6	1155.7	1136.6
42.5°	1132.5	1097.1	1090.2	1105.2	1084.8
45°	1058.9	1043.9	1045.3	1053.4	1061.6
47.5°	1005.7	992.1	994.8	992.1	992.1
50°	962.1	943.1	940.3	956.7	925.3
52.5°	894.0	888.5	887.2	887.2	879.0
55°	844.9	832.7	827.2	831.3	821.8
57.5°	775.4	770.0	770.0	764.5	757.7
60°	726.4	711.4	711.4	703.2	704.6
62.5°	656.9	650.1	654.1	648.7	629.6
65°	610.5	588.7	598.3	581.9	558.7
67.5°	536.9	534.2	522.0	515.1	507.0
70°	467.4	460.6	453.8	447.0	444.3
72.5°	404.8	400.7	400.7	382.9	381.6
75°	343.4	338.0	328.4	328.4	327.1
77.5°	283.5	278.0	268.5	263.0	261.7
80°	219.4	215.3	212.6	205.8	203.1
82.5°	159.4	156.7	155.4	148.5	152.6
85°	103.6	100.8	96.8	94.0	91.3
87.5°	49.1	47.7	46.3	42.2	43.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)