

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: P709208

Luminaire Tested: **14CGTS-L3C3-LOW-4000K**

Issue Date: 9/13/2023

Test Information

Test Method: LM-79-08
Report Number: P709208
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-LOW-4000K
Description: 1X4 CGT SELECTABLE AT 4000K, LOW LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

Summary

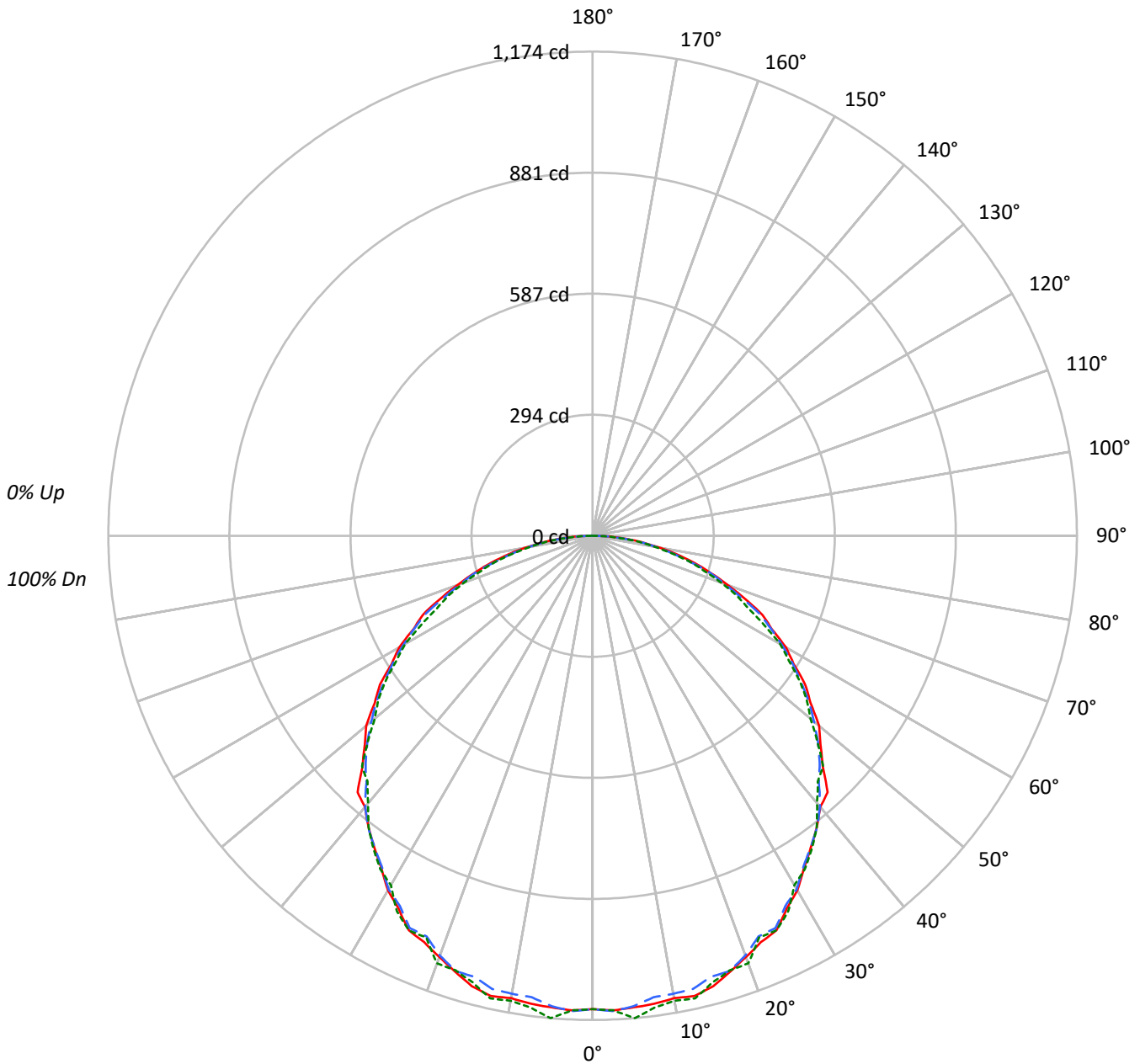
Lumens per Lamp: N/A
Luminaire Lumens: 3412.0 lumens
Efficiency: N/A
Efficacy: 159.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.4
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	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°	3089	3089	3089
5°	3101	3092	3172
10°	3111	3081	3128
15°	3149	3085	3124
20°	3113	3101	3159
25°	3134	3116	3134
30°	3084	3074	3040
35°	3030	3027	3044
40°	3016	3012	2973
45°	3001	2962	3008
50°	3000	2931	2885
55°	2952	2890	2871
60°	2911	2851	2824
65°	2895	2837	2649
70°	2739	2659	2603
75°	2659	2543	2533
80°	2532	2453	2343
85°	2381	2226	2100



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	3.2
10°-20°	315.6	9.3
20°-30°	479.0	14.0
30°-40°	578.5	17.0
40°-50°	602.9	17.7
50°-60°	552.1	16.2
60°-70°	431.8	12.7
70°-80°	261.3	7.7
80°-90°	81.6	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°	903.9	26.5
0°-40°	1482.4	43.4
0°-60°	2637.4	77.3
0°-90°	3412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3412.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1148	1148	1148	1148	1148	
5°	1148	1145	1145	1163	1174	109
15°	1130	1110	1107	1116	1121	318
25°	1055	1038	1049	1054	1055	482
35°	922	926	922	929	926	579
45°	788	777	778	784	790	612
55°	629	620	616	619	612	559
65°	455	438	446	433	416	443
75°	256	252	245	245	244	270
85°	77	75	72	70	68	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1147.8	1147.8	1147.8	1147.8	<i>1147.8</i>
2.5°	1151.8	1144.7	1153.8	1152.8	<i>1151.8</i>
5°	<i>1147.8</i>	<i>1144.7</i>	<i>1144.7</i>	<i>1163.0</i>	<i>1174.1</i>
7.5°	1144.7	1135.6	1128.5	1150.8	<i>1153.8</i>
10°	1138.6	1133.5	1127.5	1137.6	<i>1144.7</i>
12.5°	1142.7	1125.4	1125.4	1141.7	<i>1148.8</i>
15°	1130.5	1110.2	1107.2	1116.3	<i>1121.4</i>
17.5°	1108.2	1087.9	1106.1	1118.3	<i>1105.1</i>
20°	1086.9	1076.7	1082.8	1088.9	<i>1103.1</i>
22.5°	1066.6	1048.3	1051.3	1053.4	<i>1054.4</i>
25°	1055.4	1038.2	1049.3	1054.4	<i>1055.4</i>
27.5°	1018.9	1002.6	1011.8	1010.8	<i>1027.0</i>
30°	992.5	974.2	989.4	995.5	<i>978.3</i>
32.5°	953.9	947.8	950.9	960.0	<i>958.0</i>
35°	922.5	926.5	921.5	928.6	<i>926.5</i>
37.5°	892.0	883.9	893.0	907.2	<i>892.0</i>
40°	858.5	850.4	857.5	860.6	<i>846.4</i>
42.5°	843.3	816.9	811.9	823.0	<i>807.8</i>
45°	788.5	777.3	778.4	784.5	<i>790.5</i>
47.5°	748.9	738.8	740.8	738.8	<i>738.8</i>
50°	716.5	702.3	700.2	712.4	<i>689.1</i>
52.5°	665.7	661.7	660.6	660.6	<i>654.6</i>
55°	629.2	620.1	616.0	619.0	<i>611.9</i>
57.5°	577.4	573.4	573.4	569.3	<i>564.2</i>
60°	540.9	529.7	529.7	523.6	<i>524.7</i>
62.5°	489.1	484.1	487.1	483.1	<i>468.8</i>
65°	454.6	438.4	445.5	433.3	<i>416.1</i>
67.5°	399.8	397.8	388.7	383.6	<i>377.5</i>
70°	348.1	343.0	337.9	332.9	<i>330.8</i>
72.5°	301.4	298.4	298.4	285.2	<i>284.1</i>
75°	255.7	251.7	244.6	244.6	<i>243.6</i>
77.5°	211.1	207.0	199.9	195.9	<i>194.8</i>
80°	163.4	160.3	158.3	153.2	<i>151.2</i>
82.5°	118.7	116.7	115.7	110.6	<i>113.7</i>
85°	77.1	75.1	72.1	70.0	<i>68.0</i>
87.5°	36.5	35.5	34.5	31.5	<i>32.5</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



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







(END OF REPORT)