

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: P709207

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

Issue Date: 9/13/2023

Test Information

Test Method: LM-79-08
Report Number: P709207
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-3500K
Description: 1X4 CGT SELECTABLE AT 3500K, LOW LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

Summary

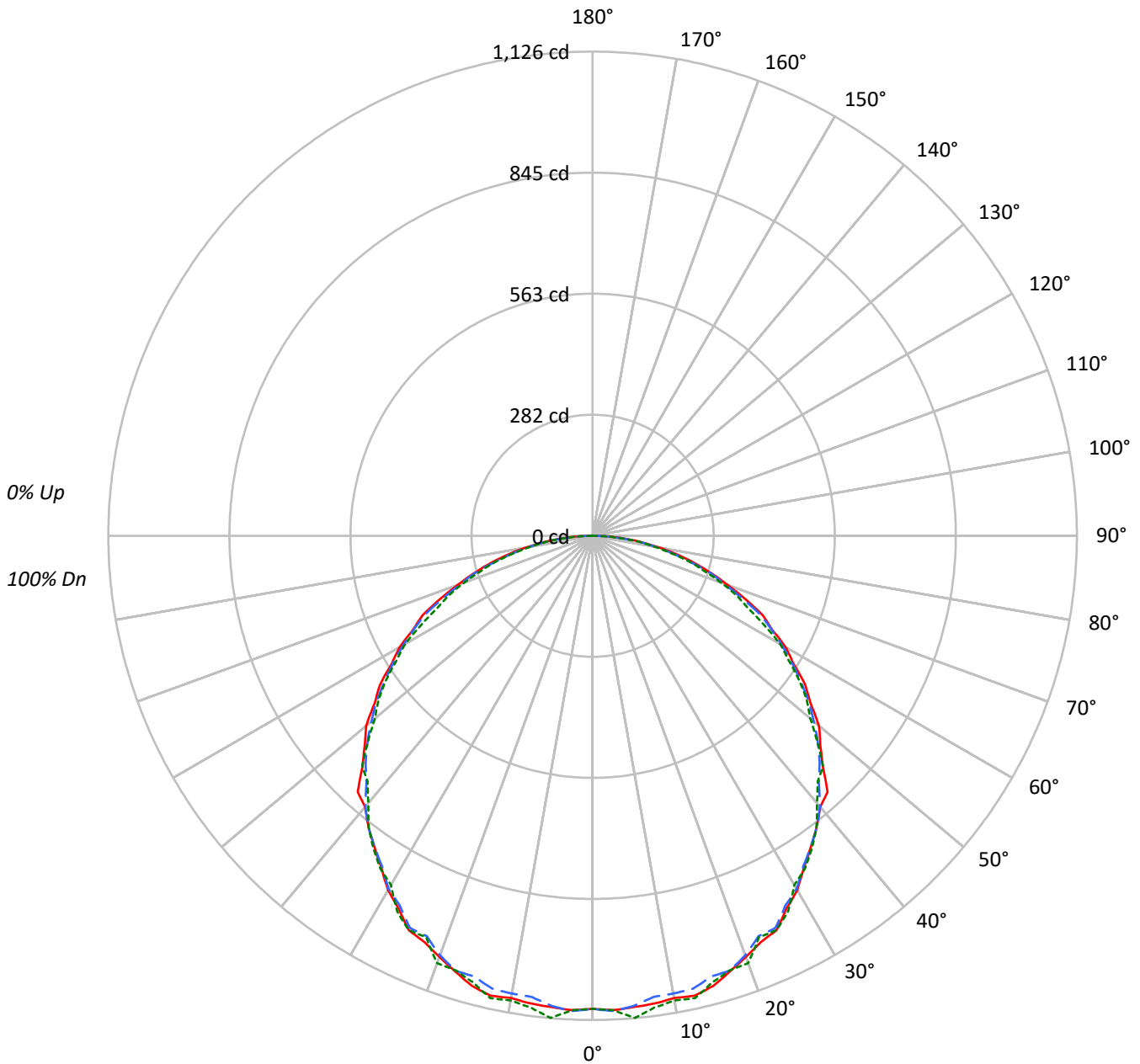
Lumens per Lamp: N/A
Luminaire Lumens: 3271.0 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.2
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°	2961	2961	2961
5°	2972	2964	3041
10°	2983	2954	2999
15°	3019	2957	2995
20°	2984	2973	3028
25°	3004	2987	3004
30°	2957	2948	2914
35°	2905	2902	2918
40°	2891	2888	2850
45°	2877	2840	2884
50°	2876	2810	2766
55°	2830	2770	2752
60°	2791	2733	2707
65°	2775	2720	2540
70°	2626	2549	2496
75°	2549	2438	2428
80°	2427	2352	2247
85°	2282	2133	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	3.2
10°-20°	302.6	9.3
20°-30°	459.3	14.0
30°-40°	554.6	17.0
40°-50°	578.0	17.7
50°-60°	529.2	16.2
60°-70°	413.9	12.7
70°-80°	250.5	7.7
80°-90°	78.2	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°	866.6	26.5
0°-40°	1421.2	43.4
0°-60°	2528.4	77.3
0°-90°	3271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3271.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1100	1097	1097	1115	1126	105
15°	1084	1064	1061	1070	1075	305
25°	1012	995	1006	1011	1012	463
35°	884	888	883	890	888	555
45°	756	745	746	752	758	586
55°	603	594	590	594	587	536
65°	436	420	427	415	399	424
75°	245	241	234	234	234	259
85°	74	72	69	67	65	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1100.3	1100.3	1100.3	1100.3	<i>1100.3</i>
2.5°	1104.2	1097.4	1106.2	1105.2	<i>1104.2</i>
5°	<i>1100.3</i>	<i>1097.4</i>	<i>1097.4</i>	<i>1114.9</i>	<i>1125.6</i>
7.5°	1097.4	1088.7	1081.8	1103.2	<i>1106.2</i>
10°	1091.6	1086.7	1080.9	1090.6	<i>1097.4</i>
12.5°	1095.5	1078.9	1078.9	1094.5	<i>1101.3</i>
15°	1083.8	1064.3	1061.4	1070.2	<i>1075.0</i>
17.5°	1062.4	1042.9	1060.4	1072.1	<i>1059.5</i>
20°	1042.0	1032.2	1038.1	1043.9	<i>1057.5</i>
22.5°	1022.5	1005.0	1007.9	1009.8	<i>1010.8</i>
25°	1011.8	995.3	1006.0	1010.8	<i>1011.8</i>
27.5°	976.8	961.2	970.0	969.0	<i>984.6</i>
30°	951.5	934.0	948.6	954.4	<i>937.9</i>
32.5°	914.5	908.7	911.6	920.3	<i>918.4</i>
35°	884.3	888.2	883.4	890.2	<i>888.2</i>
37.5°	855.2	847.4	856.1	869.8	<i>855.2</i>
40°	823.1	815.3	822.1	825.0	<i>811.4</i>
42.5°	808.5	783.2	778.3	789.0	<i>774.4</i>
45°	755.9	745.2	746.2	752.0	<i>757.9</i>
47.5°	718.0	708.3	710.2	708.3	<i>708.3</i>
50°	686.9	673.2	671.3	683.0	<i>660.6</i>
52.5°	638.2	634.3	633.3	633.3	<i>627.5</i>
55°	603.2	594.4	590.5	593.5	<i>586.6</i>
57.5°	553.6	549.7	549.7	545.8	<i>540.9</i>
60°	518.5	507.8	507.8	502.0	<i>503.0</i>
62.5°	468.9	464.1	467.0	463.1	<i>449.5</i>
65°	435.8	420.3	427.1	415.4	<i>398.9</i>
67.5°	383.3	381.4	372.6	367.7	<i>361.9</i>
70°	333.7	328.8	324.0	319.1	<i>317.2</i>
72.5°	288.9	286.0	286.0	273.4	<i>272.4</i>
75°	245.2	241.3	234.5	234.5	<i>233.5</i>
77.5°	202.4	198.5	191.7	187.8	<i>186.8</i>
80°	156.6	153.7	151.8	146.9	<i>145.0</i>
82.5°	113.8	111.9	110.9	106.0	<i>109.0</i>
85°	73.9	72.0	69.1	67.1	<i>65.2</i>
87.5°	35.0	34.1	33.1	30.2	<i>31.1</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)