

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: P709209

Luminaire Tested: **14CGTS-L3C3-LOW-5000K**

Issue Date: 9/13/2023

Test Information

Test Method: LM-79-08
Report Number: P709209
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-5000K
Description: 1X4 CGT SELECTABLE AT 5000K, LOW LUMEN OUTPUT SETTING
Light Source: -
Ballast/Driver: -

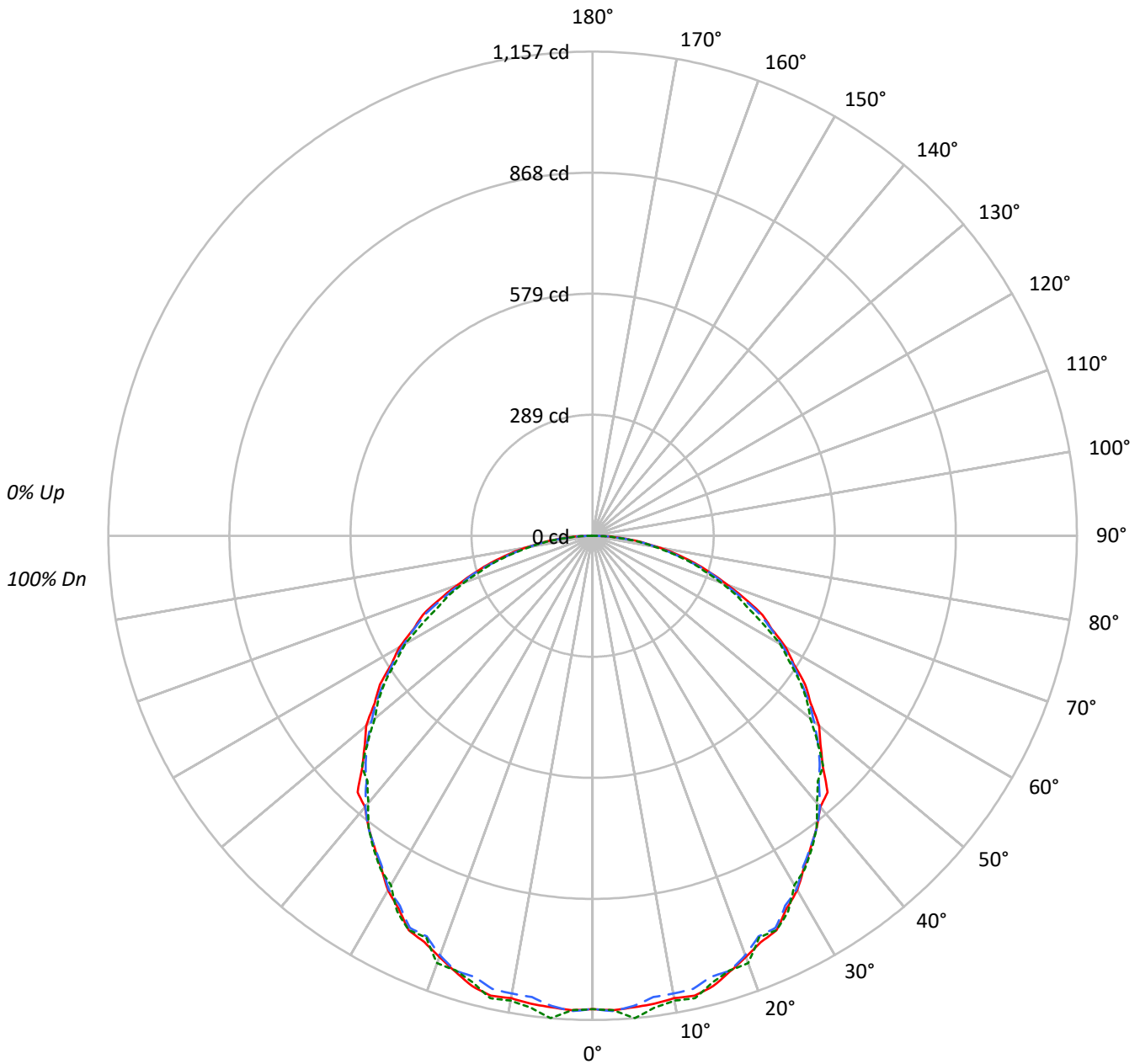
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3362.1 lumens
Efficiency: N/A
Efficacy: 152.8 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
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°	3043	3043	3043
5°	3055	3047	3125
10°	3066	3036	3082
15°	3103	3039	3078
20°	3067	3055	3113
25°	3088	3070	3088
30°	3039	3029	2995
35°	2986	2983	2999
40°	2972	2968	2930
45°	2957	2919	2965
50°	2956	2889	2843
55°	2909	2848	2829
60°	2869	2809	2782
65°	2853	2795	2611
70°	2699	2620	2565
75°	2620	2506	2495
80°	2495	2417	2309
85°	2347	2192	2069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	3.2
10°-20°	311.0	9.2
20°-30°	472.0	14.0
30°-40°	570.1	17.0
40°-50°	594.1	17.7
50°-60°	544.0	16.2
60°-70°	425.5	12.7
70°-80°	257.5	7.7
80°-90°	80.4	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°	890.6	26.5
0°-40°	1460.7	43.4
0°-60°	2598.7	77.3
0°-90°	3362.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3362.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1131	1131	1131	1131	1131	
5°	1131	1128	1128	1146	1157	108
15°	1114	1094	1091	1100	1105	313
25°	1040	1023	1034	1039	1040	475
35°	909	913	908	915	913	570
45°	777	766	767	773	779	603
55°	620	611	607	610	603	551
65°	448	432	439	427	410	436
75°	252	248	241	241	240	266
85°	76	74	71	69	67	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1130.9	1130.9	1130.9	1130.9	<i>1130.9</i>
2.5°	1134.9	1127.9	1136.9	1135.9	<i>1134.9</i>
5°	<i>1130.9</i>	<i>1127.9</i>	<i>1127.9</i>	<i>1145.9</i>	<i>1156.9</i>
7.5°	1127.9	1118.9	1111.9	1133.9	<i>1136.9</i>
10°	1121.9	1116.9	1110.9	1120.9	<i>1127.9</i>
12.5°	1125.9	1108.9	1108.9	1124.9	<i>1131.9</i>
15°	1113.9	1093.9	1090.9	1099.9	<i>1104.9</i>
17.5°	1091.9	1071.9	1089.9	1101.9	<i>1088.9</i>
20°	1070.9	1060.9	1066.9	1072.9	<i>1086.9</i>
22.5°	1050.9	1032.9	1035.9	1037.9	<i>1038.9</i>
25°	1039.9	1022.9	1033.9	1038.9	<i>1039.9</i>
27.5°	1003.9	987.9	996.9	995.9	<i>1011.9</i>
30°	977.9	959.9	974.9	980.9	<i>963.9</i>
32.5°	939.9	933.9	936.9	945.9	<i>943.9</i>
35°	908.9	912.9	907.9	914.9	<i>912.9</i>
37.5°	879.0	871.0	880.0	893.9	<i>879.0</i>
40°	846.0	838.0	845.0	848.0	<i>834.0</i>
42.5°	831.0	805.0	800.0	811.0	<i>796.0</i>
45°	777.0	766.0	767.0	773.0	<i>779.0</i>
47.5°	738.0	728.0	730.0	728.0	<i>728.0</i>
50°	706.0	692.0	690.0	702.0	<i>679.0</i>
52.5°	656.0	652.0	651.0	651.0	<i>645.0</i>
55°	620.0	611.0	607.0	610.0	<i>603.0</i>
57.5°	569.0	565.0	565.0	561.0	<i>556.0</i>
60°	533.0	522.0	522.0	516.0	<i>517.0</i>
62.5°	482.0	477.0	480.0	476.0	<i>462.0</i>
65°	448.0	432.0	439.0	427.0	<i>410.0</i>
67.5°	394.0	392.0	383.0	378.0	<i>372.0</i>
70°	343.0	338.0	333.0	328.0	<i>326.0</i>
72.5°	297.0	294.0	294.0	281.0	<i>280.0</i>
75°	252.0	248.0	241.0	241.0	<i>240.0</i>
77.5°	208.0	204.0	197.0	193.0	<i>192.0</i>
80°	161.0	158.0	156.0	151.0	<i>149.0</i>
82.5°	117.0	115.0	114.0	109.0	<i>112.0</i>
85°	76.0	74.0	71.0	69.0	<i>67.0</i>
87.5°	36.0	35.0	34.0	31.0	<i>32.0</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)