

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: P568560

Luminaire Tested: **24CGTX-30-L940**

Issue Date: 9/19/2022



**Test Information**

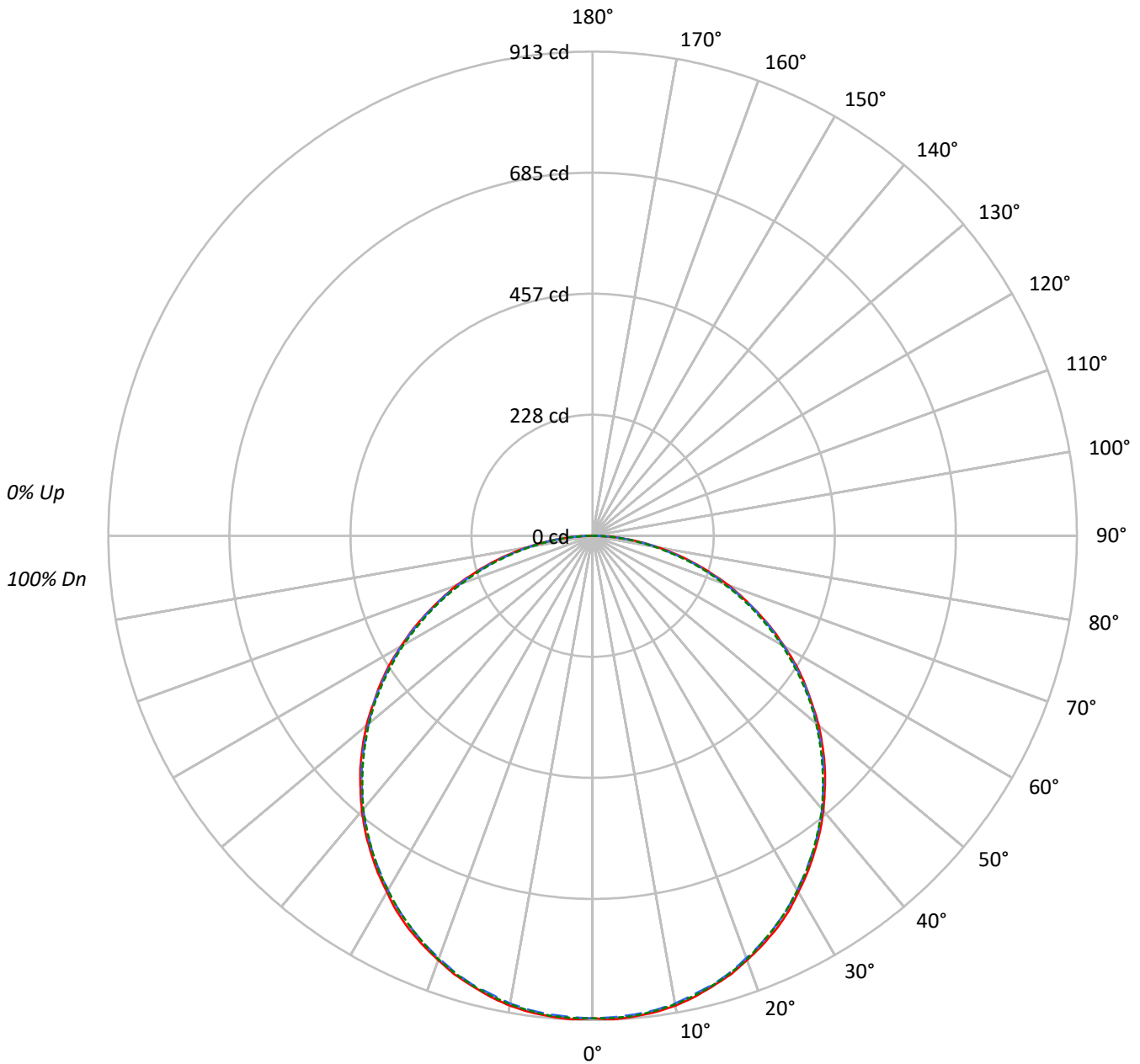
Test Method: LM-79-08  
Report Number: P568560  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-30-L940  
Description: 2X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2674.1 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 23.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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					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	94	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	58								
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	45	39	50	44	39	37								
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	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	26	37	30	25	36	30	25	23								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1224	1224	1224
5°	1229	1224	1227
10°	1229	1224	1226
15°	1224	1220	1222
20°	1219	1213	1217
25°	1215	1208	1208
30°	1205	1199	1199
35°	1197	1191	1191
40°	1188	1182	1182
45°	1178	1171	1166
50°	1165	1154	1152
55°	1147	1141	1132
60°	1123	1119	1109
65°	1096	1092	1075
70°	1072	1052	1031
75°	1030	1003	983
80°	970	949	909
85°	886	866	826



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	3.2
10°-20°	247.2	9.2
20°-30°	375.2	14.0
30°-40°	454.0	17.0
40°-50°	474.3	17.7
50°-60°	433.8	16.2
60°-70°	337.7	12.6
70°-80°	203.5	7.6
80°-90°	62.0	2.3
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°	708.7	26.5
0°-40°	1162.7	43.5
0°-60°	2070.8	77.4
0°-90°	2674.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2674.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	910	907	906	906	909	87
15°	879	876	876	875	877	248
25°	819	815	814	812	814	377
35°	729	726	725	725	725	456
45°	619	615	615	613	613	477
55°	489	488	486	482	482	437
65°	344	344	343	338	338	341
75°	198	196	193	189	189	209
85°	57	56	56	54	54	64
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	910.0	910.0	910.0	910.0	910.0
2.5°	912.6	910.0	908.7	908.7	910.0
5°	910.0	907.4	906.1	906.1	908.7
7.5°	906.1	902.2	902.2	900.9	903.5
10°	899.6	895.7	895.7	894.3	897.0
12.5°	890.4	886.5	885.2	885.2	887.8
15°	878.7	876.1	876.1	874.8	877.4
17.5°	867.0	863.1	863.1	861.8	864.4
20°	851.3	848.7	847.4	847.4	850.0
22.5°	835.7	833.1	831.8	831.8	831.8
25°	818.7	814.8	813.5	812.2	813.5
27.5°	799.2	794.0	794.0	792.7	794.0
30°	775.7	773.1	771.8	770.5	771.8
32.5°	753.5	749.6	748.3	749.6	749.6
35°	728.8	726.2	724.9	724.9	724.9
37.5°	704.0	700.1	700.1	698.8	698.8
40°	676.6	674.0	672.7	672.7	672.7
42.5°	647.9	645.3	644.0	642.7	642.7
45°	619.3	615.4	615.4	612.7	612.7
47.5°	588.0	585.4	584.1	581.5	581.5
50°	556.7	554.1	551.5	551.5	550.2
52.5°	521.5	521.5	520.2	517.6	517.6
55°	488.9	487.6	486.3	482.4	482.4
57.5°	455.0	453.7	451.1	447.2	447.2
60°	417.2	417.2	415.9	410.7	412.0
62.5°	382.0	380.7	379.4	375.5	374.2
65°	344.2	344.2	342.9	337.7	337.7
67.5°	307.7	307.7	305.1	299.9	299.9
70°	272.5	268.6	267.3	263.4	262.0
72.5°	233.4	232.1	229.5	225.5	225.5
75°	198.2	195.6	192.9	189.0	189.0
77.5°	160.4	157.7	155.1	153.8	151.2
80°	125.2	123.9	122.5	118.6	117.3
82.5°	90.0	88.7	87.3	86.0	84.7
85°	57.4	56.1	56.1	53.5	53.5
87.5°	24.8	26.1	23.5	24.8	23.5
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)