

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: P568570

Luminaire Tested: **24CGTX-30-L850**

Issue Date: 9/19/2022

**Test Information**

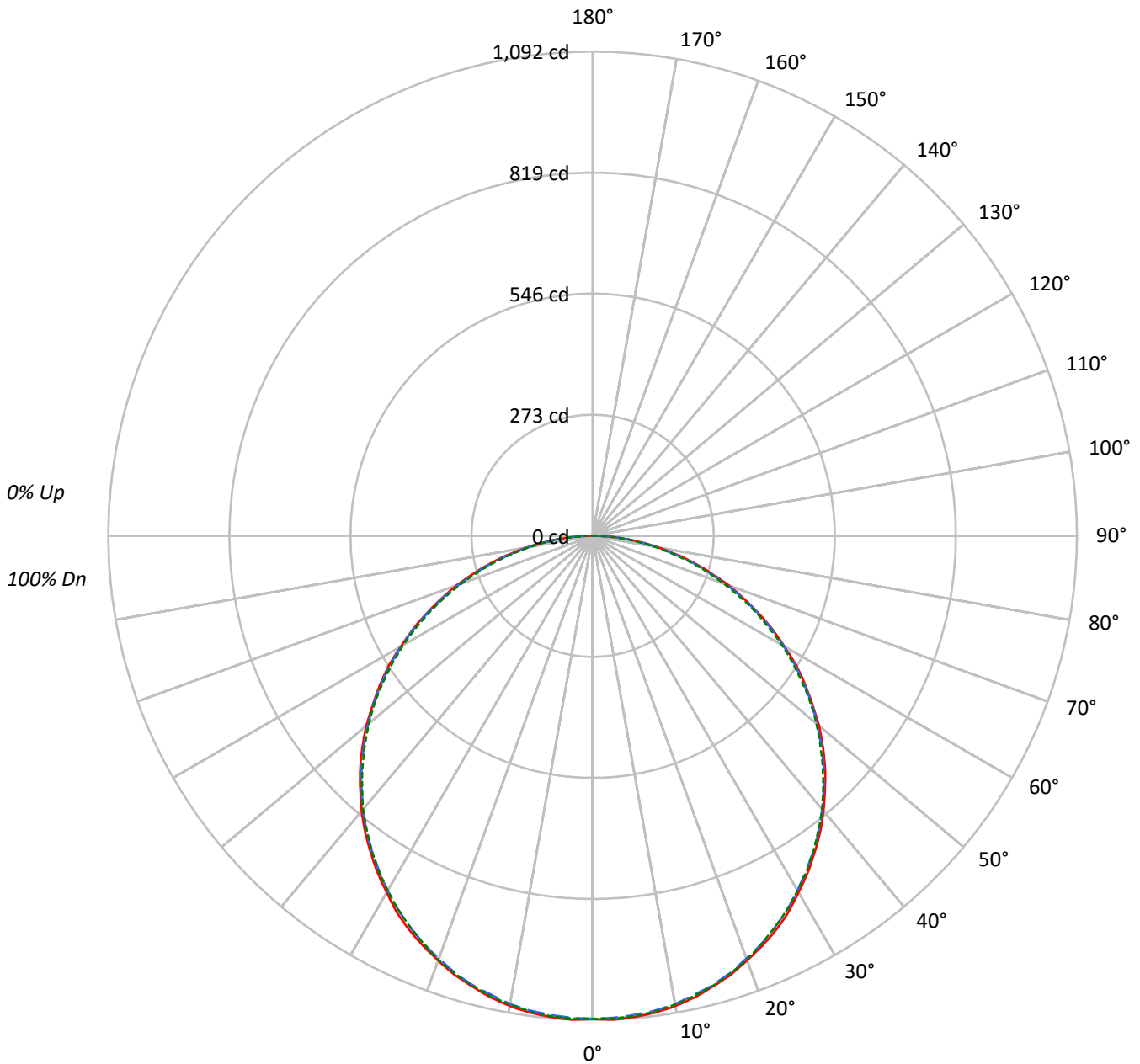
Test Method: LM-79-08  
Report Number: P568570  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-30-L850  
Description: 2X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND  
5000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3201.0 lumens  
Efficiency: N/A  
Efficacy: 135.1 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°	1466	1466	1466
5°	1471	1465	1469
10°	1471	1465	1467
15°	1465	1461	1463
20°	1459	1452	1457
25°	1455	1446	1446
30°	1443	1435	1435
35°	1433	1425	1425
40°	1423	1414	1414
45°	1411	1402	1396
50°	1395	1382	1379
55°	1373	1365	1354
60°	1344	1340	1327
65°	1312	1307	1287
70°	1283	1258	1234
75°	1233	1201	1176
80°	1161	1137	1089
85°	1061	1036	988



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.2	3.2
10°-20°	296.0	9.2
20°-30°	449.2	14.0
30°-40°	543.5	17.0
40°-50°	567.7	17.7
50°-60°	519.3	16.2
60°-70°	404.2	12.6
70°-80°	243.6	7.6
80°-90°	74.3	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°	848.4	26.5
0°-40°	1391.8	43.5
0°-60°	2478.9	77.4
0°-90°	3201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3201.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1089	1086	1085	1085	1088	104
15°	1052	1049	1049	1047	1050	297
25°	980	975	974	972	974	451
35°	872	869	868	868	868	546
45°	741	737	737	734	734	571
55°	585	584	582	577	577	523
65°	412	412	410	404	404	408
75°	237	234	231	226	226	250
85°	69	67	67	64	64	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1089.3	1089.3	1089.3	1089.3	1089.3
2.5°	1092.5	1089.3	1087.8	1087.8	1089.3
5°	1089.3	1086.2	1084.7	1084.7	1087.8
7.5°	1084.7	1080.0	1080.0	1078.4	1081.5
10°	1076.9	1072.2	1072.2	1070.6	1073.7
12.5°	1065.9	1061.2	1059.7	1059.7	1062.8
15°	1051.9	1048.8	1048.8	1047.2	1050.3
17.5°	1037.8	1033.2	1033.2	1031.6	1034.7
20°	1019.1	1016.0	1014.4	1014.4	1017.5
22.5°	1000.4	997.3	995.7	995.7	995.7
25°	980.1	975.4	973.8	972.3	973.8
27.5°	956.7	950.4	950.4	948.9	950.4
30°	928.6	925.5	923.9	922.3	923.9
32.5°	902.1	897.4	895.8	897.4	897.4
35°	872.4	869.3	867.7	867.7	867.7
37.5°	842.8	838.1	838.1	836.5	836.5
40°	810.0	806.9	805.3	805.3	805.3
42.5°	775.6	772.5	771.0	769.4	769.4
45°	741.3	736.6	736.6	733.5	733.5
47.5°	703.9	700.7	699.2	696.1	696.1
50°	666.4	663.3	660.2	660.2	658.6
52.5°	624.3	624.3	622.7	619.6	619.6
55°	585.2	583.7	582.1	577.4	577.4
57.5°	544.7	543.1	540.0	535.3	535.3
60°	499.4	499.4	497.8	491.6	493.2
62.5°	457.3	455.7	454.2	449.5	447.9
65°	412.0	412.0	410.5	404.2	404.2
67.5°	368.3	368.3	365.2	359.0	359.0
70°	326.2	321.5	319.9	315.3	313.7
72.5°	279.4	277.8	274.7	270.0	270.0
75°	237.2	234.1	231.0	226.3	226.3
77.5°	192.0	188.8	185.7	184.2	181.0
80°	149.8	148.3	146.7	142.0	140.5
82.5°	107.7	106.1	104.6	103.0	101.4
85°	68.7	67.1	67.1	64.0	64.0
87.5°	29.7	31.2	28.1	29.7	28.1
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)