

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: P568510

Luminaire Tested: **24CGTX-30-L830**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568510
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-L830
Description: 2X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

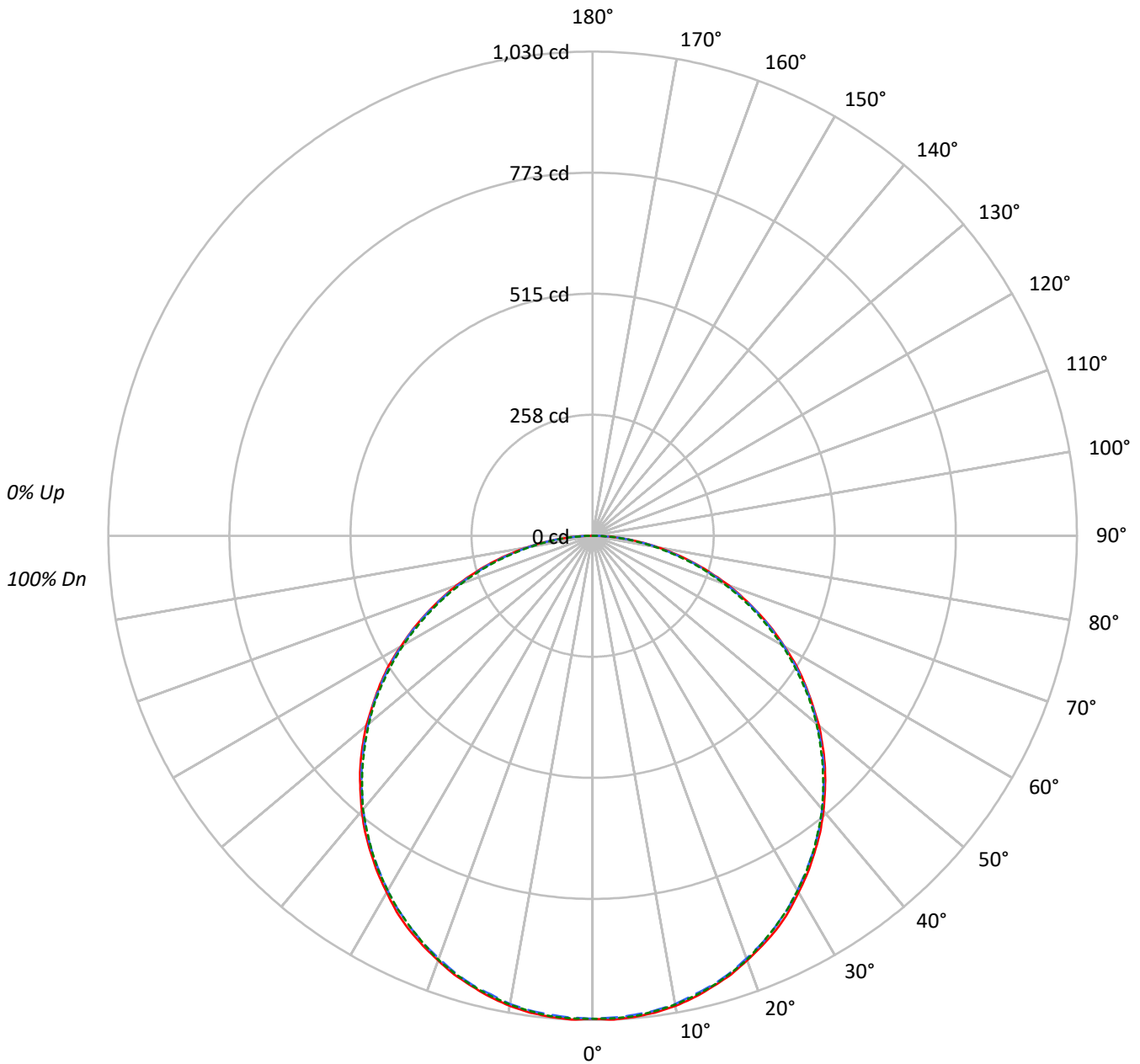
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3019.0 lumens
Efficiency: N/A
Efficacy: 127.4 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_{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	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	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1382	1382	1382
5°	1388	1382	1386
10°	1388	1382	1384
15°	1382	1378	1380
20°	1376	1370	1374
25°	1372	1364	1364
30°	1361	1354	1354
35°	1351	1344	1344
40°	1342	1334	1334
45°	1330	1322	1316
50°	1316	1303	1300
55°	1295	1288	1278
60°	1267	1263	1252
65°	1237	1232	1214
70°	1210	1187	1164
75°	1163	1132	1109
80°	1095	1072	1027
85°	1000	977	931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	3.2
10°-20°	279.1	9.2
20°-30°	423.6	14.0
30°-40°	512.6	17.0
40°-50°	535.5	17.7
50°-60°	489.8	16.2
60°-70°	381.2	12.6
70°-80°	229.8	7.6
80°-90°	70.0	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°	800.1	26.5
0°-40°	1312.7	43.5
0°-60°	2338.0	77.4
0°-90°	3019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1027	1027	1027	1027	1027	
5°	1027	1024	1023	1023	1026	98
15°	992	989	989	988	991	280
25°	924	920	918	917	918	426
35°	823	820	818	818	818	515
45°	699	695	695	692	692	539
55°	552	550	549	545	545	493
65°	389	389	387	381	381	385
75°	224	221	218	213	213	235
85°	65	63	63	60	60	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1027.4	1027.4	1027.4	1027.4	1027.4
2.5°	1030.3	1027.4	1025.9	1025.9	1027.4
5°	1027.4	1024.5	1023.0	1023.0	1025.9
7.5°	1023.0	1018.6	1018.6	1017.1	1020.0
10°	1015.6	1011.2	1011.2	1009.7	1012.7
12.5°	1005.3	1000.9	999.4	999.4	1002.4
15°	992.1	989.1	989.1	987.7	990.6
17.5°	978.8	974.4	974.4	972.9	975.9
20°	961.2	958.2	956.7	956.7	959.7
22.5°	943.5	940.6	939.1	939.1	939.1
25°	924.4	919.9	918.5	917.0	918.5
27.5°	902.3	896.4	896.4	894.9	896.4
30°	875.8	872.8	871.4	869.9	871.4
32.5°	850.8	846.4	844.9	846.4	846.4
35°	822.8	819.9	818.4	818.4	818.4
37.5°	794.8	790.4	790.4	788.9	788.9
40°	763.9	761.0	759.5	759.5	759.5
42.5°	731.5	728.6	727.1	725.7	725.7
45°	699.2	694.7	694.7	691.8	691.8
47.5°	663.8	660.9	659.4	656.5	656.5
50°	628.5	625.6	622.6	622.6	621.1
52.5°	588.8	588.8	587.3	584.4	584.4
55°	552.0	550.5	549.0	544.6	544.6
57.5°	513.7	512.2	509.3	504.9	504.9
60°	471.0	471.0	469.5	463.7	465.1
62.5°	431.3	429.8	428.3	423.9	422.4
65°	388.6	388.6	387.1	381.2	381.2
67.5°	347.4	347.4	344.4	338.5	338.5
70°	307.6	303.2	301.7	297.3	295.9
72.5°	263.5	262.0	259.1	254.6	254.6
75°	223.7	220.8	217.8	213.4	213.4
77.5°	181.0	178.1	175.2	173.7	170.7
80°	141.3	139.8	138.4	133.9	132.5
82.5°	101.6	100.1	98.6	97.1	95.7
85°	64.8	63.3	63.3	60.3	60.3
87.5°	28.0	29.4	26.5	28.0	26.5
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)