

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: P568540

Luminaire Tested: **24CGTX-30-L935**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568540
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-L935
Description: 2X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

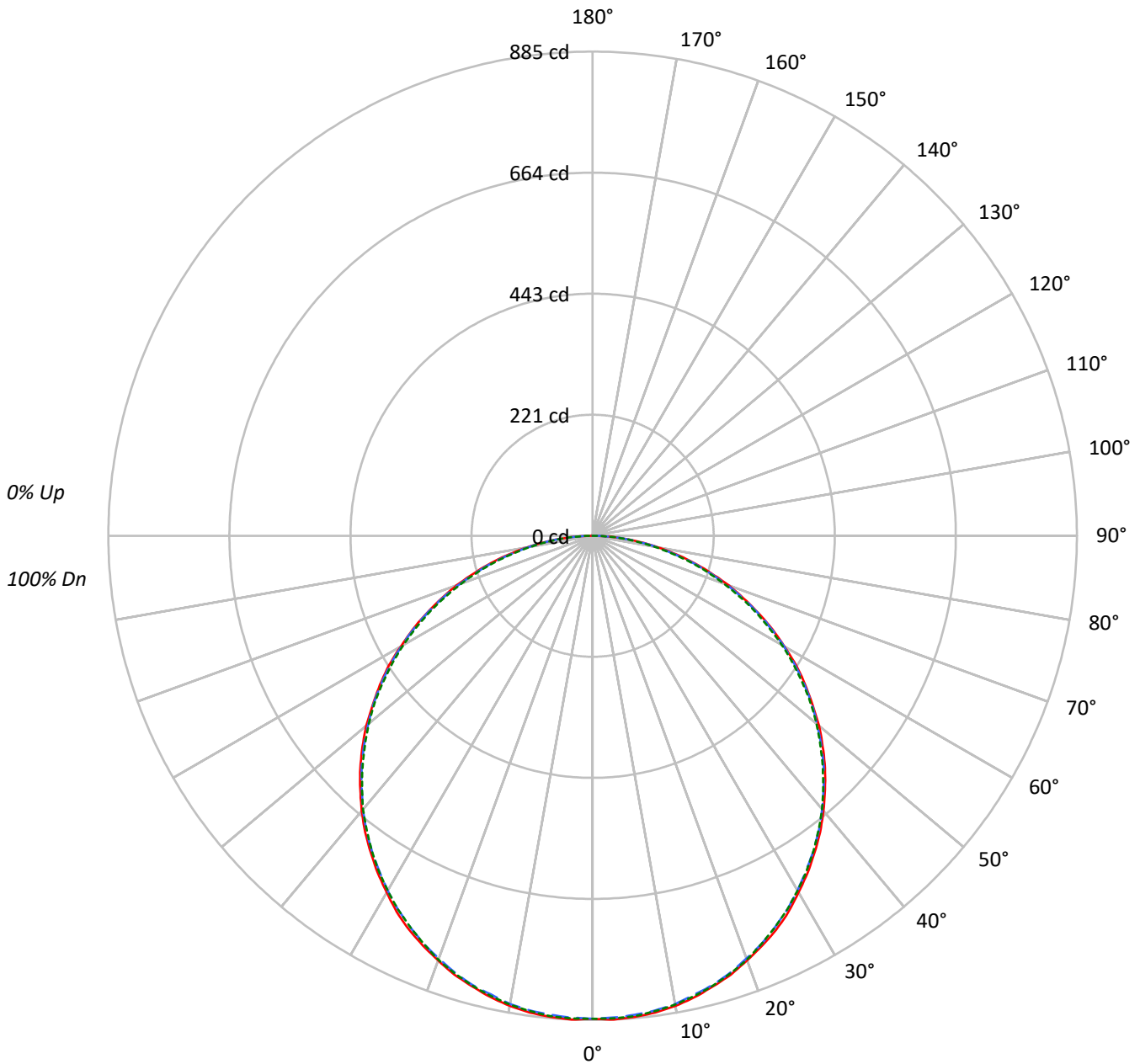
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2594.0 lumens
Efficiency: N/A
Efficacy: 109.5 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					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°	1188	1188	1188
5°	1192	1187	1191
10°	1192	1187	1189
15°	1187	1184	1186
20°	1183	1177	1181
25°	1179	1172	1172
30°	1169	1163	1163
35°	1161	1155	1155
40°	1153	1146	1146
45°	1143	1136	1131
50°	1130	1120	1117
55°	1113	1107	1098
60°	1089	1086	1075
65°	1063	1059	1043
70°	1040	1020	1000
75°	999	973	953
80°	941	921	882
85°	858	840	801



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	3.2
10°-20°	239.8	9.2
20°-30°	364.0	14.0
30°-40°	440.4	17.0
40°-50°	460.1	17.7
50°-60°	420.8	16.2
60°-70°	327.6	12.6
70°-80°	197.4	7.6
80°-90°	60.2	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°	687.5	26.5
0°-40°	1127.9	43.5
0°-60°	2008.8	77.4
0°-90°	2594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2594.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	883	883	883	883	883	
5°	883	880	879	879	882	84
15°	852	850	850	849	851	241
25°	794	790	789	788	789	366
35°	707	704	703	703	703	443
45°	601	597	597	594	594	463
55°	474	473	472	468	468	424
65°	334	334	333	328	328	331
75°	192	190	187	183	183	202
85°	56	54	54	52	52	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.8	882.8	882.8	882.8	882.8
2.5°	885.3	882.8	881.5	881.5	882.8
5°	882.8	880.2	879.0	879.0	881.5
7.5°	879.0	875.2	875.2	873.9	876.4
10°	872.6	868.9	868.9	867.6	870.1
12.5°	863.8	860.0	858.7	858.7	861.3
15°	852.4	849.9	849.9	848.6	851.1
17.5°	841.0	837.2	837.2	836.0	838.5
20°	825.9	823.3	822.1	822.1	824.6
22.5°	810.7	808.1	806.9	806.9	806.9
25°	794.2	790.4	789.2	787.9	789.2
27.5°	775.3	770.2	770.2	768.9	770.2
30°	752.5	750.0	748.7	747.4	748.7
32.5°	731.0	727.2	725.9	727.2	727.2
35°	707.0	704.4	703.2	703.2	703.2
37.5°	682.9	679.1	679.1	677.9	677.9
40°	656.4	653.9	652.6	652.6	652.6
42.5°	628.6	626.0	624.8	623.5	623.5
45°	600.7	596.9	596.9	594.4	594.4
47.5°	570.4	567.9	566.6	564.1	564.1
50°	540.0	537.5	535.0	535.0	533.7
52.5°	505.9	505.9	504.6	502.1	502.1
55°	474.3	473.0	471.7	467.9	467.9
57.5°	441.4	440.1	437.6	433.8	433.8
60°	404.7	404.7	403.4	398.4	399.6
62.5°	370.6	369.3	368.0	364.2	363.0
65°	333.9	333.9	332.6	327.6	327.6
67.5°	298.5	298.5	295.9	290.9	290.9
70°	264.3	260.5	259.3	255.5	254.2
72.5°	226.4	225.1	222.6	218.8	218.8
75°	192.2	189.7	187.2	183.4	183.4
77.5°	155.6	153.0	150.5	149.2	146.7
80°	121.4	120.1	118.9	115.1	113.8
82.5°	87.3	86.0	84.7	83.5	82.2
85°	55.6	54.4	54.4	51.9	51.9
87.5°	24.0	25.3	22.8	24.0	22.8
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)