

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: P568522

Luminaire Tested: **24CGTX-40-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568522
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-40-L930
Description: 2X4 4000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

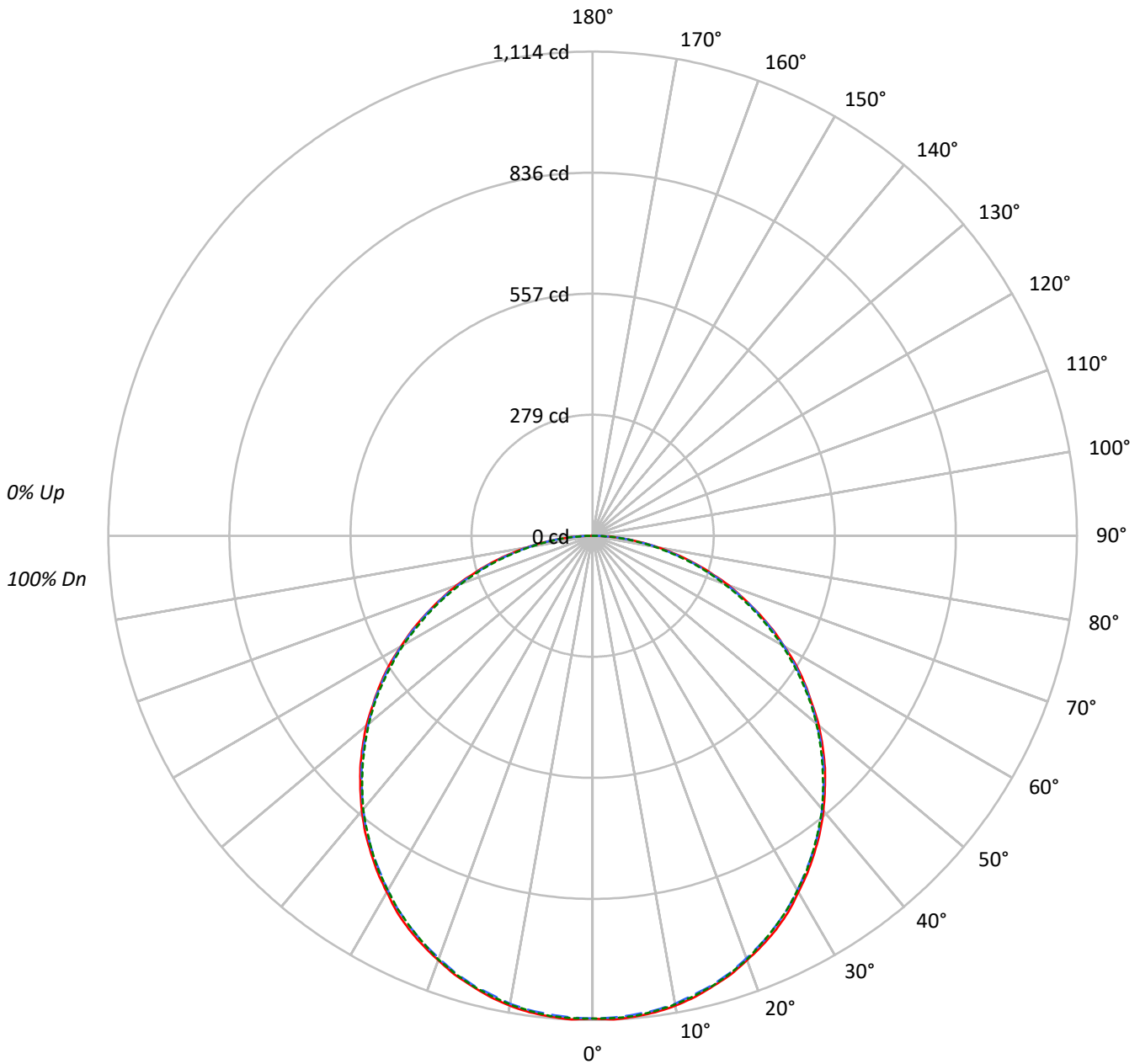
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3264.0 lumens
Efficiency: N/A
Efficacy: 107.7 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): 30.3
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°	1495	1495	1495
5°	1500	1494	1498
10°	1500	1494	1496
15°	1494	1490	1492
20°	1488	1481	1486
25°	1484	1474	1474
30°	1471	1464	1464
35°	1461	1453	1453
40°	1451	1442	1442
45°	1438	1429	1423
50°	1422	1409	1406
55°	1400	1392	1381
60°	1370	1366	1353
65°	1337	1332	1312
70°	1308	1283	1258
75°	1258	1224	1199
80°	1184	1159	1110
85°	1081	1056	1007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	3.2
10°-20°	301.8	9.2
20°-30°	458.0	14.0
30°-40°	554.2	17.0
40°-50°	578.9	17.7
50°-60°	529.6	16.2
60°-70°	412.2	12.6
70°-80°	248.4	7.6
80°-90°	75.7	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°	865.1	26.5
0°-40°	1419.2	43.5
0°-60°	2527.7	77.4
0°-90°	3264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1111	1111	1111	1111	1111	
5°	1111	1108	1106	1106	1109	106
15°	1073	1069	1069	1068	1071	303
25°	999	995	993	991	993	460
35°	890	886	885	885	885	557
45°	756	751	751	748	748	583
55°	597	595	594	589	589	533
65°	420	420	418	412	412	416
75°	242	239	236	231	231	255
85°	70	68	68	65	65	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1110.8	1110.8	1110.8	1110.8	1110.8
2.5°	1114.0	1110.8	1109.2	1109.2	1110.8
5°	1110.8	1107.6	1106.0	1106.0	1109.2
7.5°	1106.0	1101.2	1101.2	1099.6	1102.8
10°	1098.0	1093.3	1093.3	1091.7	1094.9
12.5°	1086.9	1082.1	1080.5	1080.5	1083.7
15°	1072.6	1069.4	1069.4	1067.8	1071.0
17.5°	1058.3	1053.5	1053.5	1051.9	1055.1
20°	1039.2	1036.0	1034.4	1034.4	1037.6
22.5°	1020.1	1016.9	1015.3	1015.3	1015.3
25°	999.4	994.6	993.0	991.4	993.0
27.5°	975.5	969.1	969.1	967.6	969.1
30°	946.9	943.7	942.1	940.5	942.1
32.5°	919.8	915.0	913.4	915.0	915.0
35°	889.6	886.4	884.8	884.8	884.8
37.5°	859.3	854.6	854.6	853.0	853.0
40°	825.9	822.7	821.1	821.1	821.1
42.5°	790.9	787.7	786.1	784.5	784.5
45°	755.9	751.1	751.1	747.9	747.9
47.5°	717.7	714.5	712.9	709.8	709.8
50°	679.5	676.3	673.1	673.1	671.6
52.5°	636.5	636.5	635.0	631.8	631.8
55°	596.8	595.2	593.6	588.8	588.8
57.5°	555.4	553.8	550.6	545.8	545.8
60°	509.2	509.2	507.6	501.3	502.9
62.5°	466.3	464.7	463.1	458.3	456.7
65°	420.1	420.1	418.5	412.2	412.2
67.5°	375.6	375.6	372.4	366.0	366.0
70°	332.6	327.8	326.2	321.5	319.9
72.5°	284.9	283.3	280.1	275.3	275.3
75°	241.9	238.7	235.5	230.7	230.7
77.5°	195.7	192.6	189.4	187.8	184.6
80°	152.8	151.2	149.6	144.8	143.2
82.5°	109.8	108.2	106.6	105.0	103.4
85°	70.0	68.4	68.4	65.2	65.2
87.5°	30.2	31.8	28.6	30.2	28.6
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)