

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: P568562

Luminaire Tested: **24CGTX-40-L940**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568562
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-L940
Description: 2X4 4000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

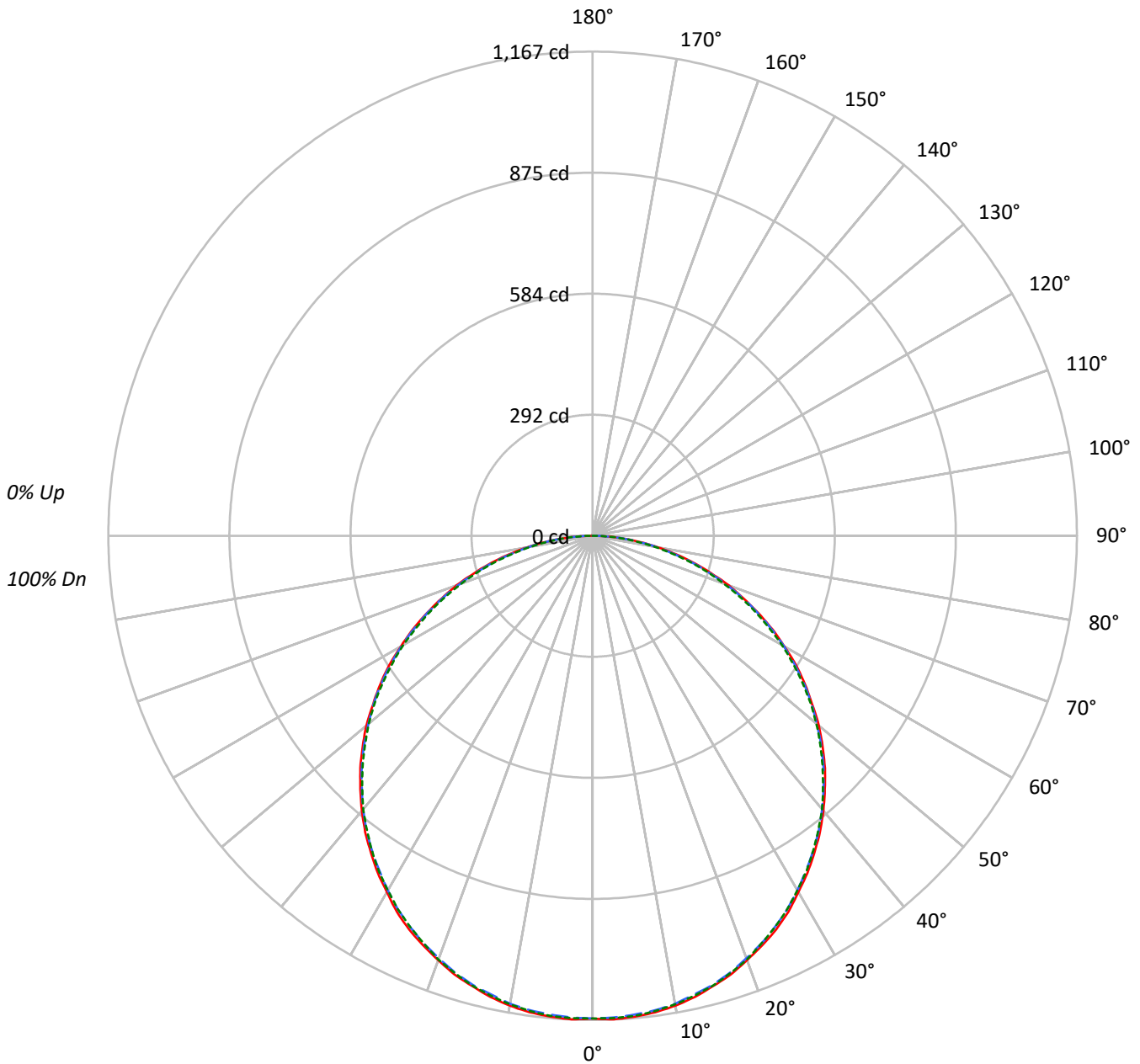
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3419.0 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): 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	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1565	1565	1565
5°	1571	1565	1569
10°	1571	1565	1567
15°	1565	1560	1563
20°	1559	1551	1556
25°	1554	1544	1544
30°	1541	1533	1533
35°	1531	1522	1522
40°	1519	1511	1511
45°	1507	1497	1491
50°	1490	1476	1472
55°	1466	1459	1447
60°	1435	1431	1418
65°	1401	1396	1374
70°	1371	1344	1318
75°	1317	1282	1256
80°	1240	1214	1162
85°	1132	1107	1054



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	3.2
10°-20°	316.1	9.2
20°-30°	479.8	14.0
30°-40°	580.5	17.0
40°-50°	606.4	17.7
50°-60°	554.7	16.2
60°-70°	431.8	12.6
70°-80°	260.2	7.6
80°-90°	79.3	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°	906.1	26.5
0°-40°	1486.6	43.5
0°-60°	2647.7	77.4
0°-90°	3419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1164	1160	1158	1158	1162	111
15°	1124	1120	1120	1118	1122	317
25°	1047	1042	1040	1038	1040	482
35°	932	928	927	927	927	583
45°	792	787	787	784	784	610
55°	625	623	622	617	617	558
65°	440	440	438	432	432	436
75°	253	250	247	242	242	267
85°	73	72	72	68	68	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1163.5	1163.5	1163.5	1163.5	1163.5
2.5°	1166.9	1163.5	1161.9	1161.9	1163.5
5°	1163.5	1160.2	1158.5	1158.5	1161.9
7.5°	1158.5	1153.5	1153.5	1151.9	1155.2
10°	1150.2	1145.2	1145.2	1143.5	1146.9
12.5°	1138.5	1133.5	1131.9	1131.9	1135.2
15°	1123.5	1120.2	1120.2	1118.5	1121.9
17.5°	1108.5	1103.5	1103.5	1101.8	1105.2
20°	1088.5	1085.2	1083.5	1083.5	1086.8
22.5°	1068.5	1065.2	1063.5	1063.5	1063.5
25°	1046.8	1041.8	1040.2	1038.5	1040.2
27.5°	1021.8	1015.2	1015.2	1013.5	1015.2
30°	991.8	988.5	986.8	985.2	986.8
32.5°	963.5	958.5	956.8	958.5	958.5
35°	931.8	928.5	926.8	926.8	926.8
37.5°	900.1	895.1	895.1	893.5	893.5
40°	865.1	861.8	860.1	860.1	860.1
42.5°	828.5	825.1	823.5	821.8	821.8
45°	791.8	786.8	786.8	783.5	783.5
47.5°	751.8	748.5	746.8	743.5	743.5
50°	711.8	708.4	705.1	705.1	703.4
52.5°	666.8	666.8	665.1	661.8	661.8
55°	625.1	623.4	621.8	616.8	616.8
57.5°	581.8	580.1	576.8	571.8	571.8
60°	533.4	533.4	531.8	525.1	526.8
62.5°	488.4	486.7	485.1	480.1	478.4
65°	440.1	440.1	438.4	431.7	431.7
67.5°	393.4	393.4	390.1	383.4	383.4
70°	348.4	343.4	341.7	336.7	335.1
72.5°	298.4	296.7	293.4	288.4	288.4
75°	253.4	250.0	246.7	241.7	241.7
77.5°	205.0	201.7	198.4	196.7	193.4
80°	160.0	158.4	156.7	151.7	150.0
82.5°	115.0	113.4	111.7	110.0	108.4
85°	73.3	71.7	71.7	68.3	68.3
87.5°	31.7	33.3	30.0	31.7	30.0
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)