

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: P568501

Luminaire Tested: **24CGTX-40HE-L950**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568501
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-40HE-L950
Description: 2X4 4000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

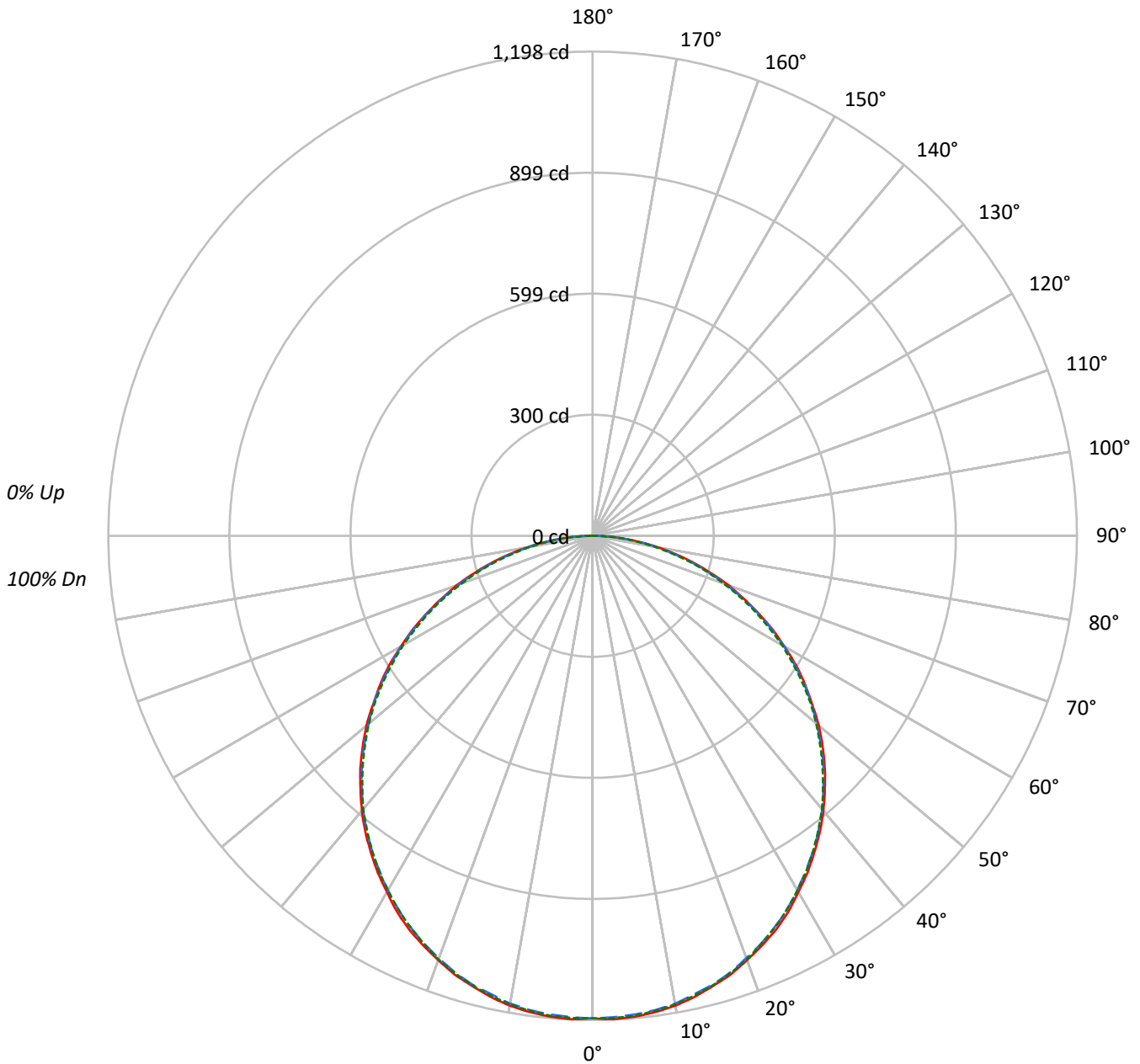
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3509.0 lumens
Efficiency: N/A
Efficacy: 117.0 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
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

TEST NUMBER: P568501
CATALOG NUMBER: 24CGTX-40HE-L950

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°	1607	1607	1607
5°	1613	1606	1610
10°	1613	1606	1608
15°	1606	1601	1604
20°	1600	1592	1597
25°	1595	1585	1585
30°	1581	1574	1574
35°	1571	1562	1562
40°	1560	1551	1551
45°	1546	1537	1530
50°	1529	1515	1511
55°	1505	1497	1485
60°	1473	1469	1455
65°	1438	1432	1411
70°	1407	1380	1353
75°	1352	1316	1290
80°	1272	1246	1193
85°	1162	1136	1082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	3.2
10°-20°	324.5	9.2
20°-30°	492.4	14.0
30°-40°	595.8	17.0
40°-50°	622.4	17.7
50°-60°	569.3	16.2
60°-70°	443.1	12.6
70°-80°	267.1	7.6
80°-90°	81.4	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°	930.0	26.5
0°-40°	1525.7	43.5
0°-60°	2717.4	77.4
0°-90°	3509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1194	1191	1189	1189	1192	114
15°	1153	1150	1150	1148	1151	326
25°	1074	1069	1068	1066	1068	495
35°	956	953	951	951	951	599
45°	813	808	808	804	804	626
55°	642	640	638	633	633	573
65°	452	452	450	443	443	448
75°	260	257	253	248	248	274
85°	75	74	74	70	70	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1194.2	1194.2	1194.2	1194.2	1194.2
2.5°	1197.6	1194.2	1192.4	1192.4	1194.2
5°	1194.2	1190.7	1189.0	1189.0	1192.4
7.5°	1189.0	1183.9	1183.9	1182.2	1185.6
10°	1180.5	1175.3	1175.3	1173.6	1177.0
12.5°	1168.5	1163.4	1161.6	1161.6	1165.1
15°	1153.1	1149.7	1149.7	1148.0	1151.4
17.5°	1137.7	1132.6	1132.6	1130.9	1134.3
20°	1117.2	1113.7	1112.0	1112.0	1115.5
22.5°	1096.6	1093.2	1091.5	1091.5	1091.5
25°	1074.4	1069.3	1067.6	1065.8	1067.6
27.5°	1048.7	1041.9	1041.9	1040.2	1041.9
30°	1017.9	1014.5	1012.8	1011.1	1012.8
32.5°	988.9	983.7	982.0	983.7	983.7
35°	956.3	952.9	951.2	951.2	951.2
37.5°	923.8	918.7	918.7	917.0	917.0
40°	887.9	884.5	882.8	882.8	882.8
42.5°	850.3	846.9	845.1	843.4	843.4
45°	812.6	807.5	807.5	804.1	804.1
47.5°	771.6	768.2	766.4	763.0	763.0
50°	730.5	727.1	723.7	723.7	722.0
52.5°	684.3	684.3	682.6	679.2	679.2
55°	641.6	639.8	638.1	633.0	633.0
57.5°	597.1	595.4	591.9	586.8	586.8
60°	547.5	547.5	545.8	538.9	540.6
62.5°	501.3	499.6	497.8	492.7	491.0
65°	451.7	451.7	449.9	443.1	443.1
67.5°	403.8	403.8	400.3	393.5	393.5
70°	357.6	352.4	350.7	345.6	343.9
72.5°	306.2	304.5	301.1	296.0	296.0
75°	260.0	256.6	253.2	248.1	248.1
77.5°	210.4	207.0	203.6	201.9	198.5
80°	164.2	162.5	160.8	155.7	154.0
82.5°	118.0	116.3	114.6	112.9	111.2
85°	75.3	73.6	73.6	70.1	70.1
87.5°	32.5	34.2	30.8	32.5	30.8
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)