

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: P568581

Luminaire Tested: **24CGTX-35-L950**

Issue Date: 9/19/2022



**Test Information**

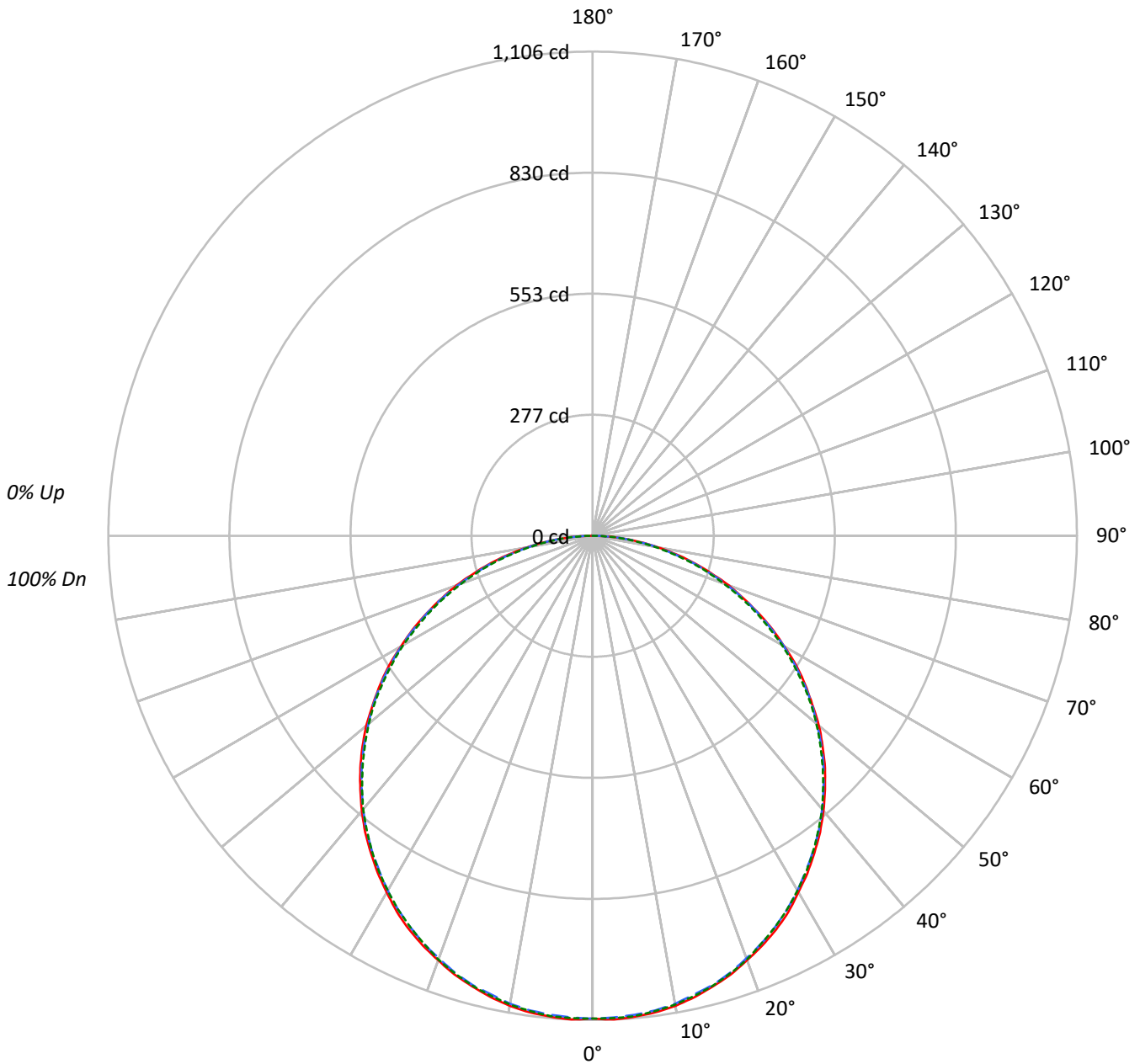
Test Method: LM-79-08  
Report Number: P568581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-35-L950  
Description: 2X4 3500 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3241.0 lumens  
Efficiency: N/A  
Efficacy: 114.1 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): 28.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P568581  
CATALOG NUMBER: 24CGTX-35-L950

### 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	24								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1484	1484	1484
5°	1490	1483	1488
10°	1490	1483	1485
15°	1483	1479	1481
20°	1477	1471	1475
25°	1473	1464	1464
30°	1461	1453	1453
35°	1451	1443	1443
40°	1440	1432	1432
45°	1428	1419	1413
50°	1412	1399	1396
55°	1390	1383	1372
60°	1361	1357	1344
65°	1328	1323	1303
70°	1299	1274	1249
75°	1249	1216	1191
80°	1175	1151	1102
85°	1073	1048	1000



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.5	3.2
10°-20°	299.7	9.2
20°-30°	454.8	14.0
30°-40°	550.3	17.0
40°-50°	574.8	17.7
50°-60°	525.8	16.2
60°-70°	409.3	12.6
70°-80°	246.7	7.6
80°-90°	75.2	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°	859.0	26.5
0°-40°	1409.2	43.5
0°-60°	2509.9	77.4
0°-90°	3241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3241.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1103	1103	1103	1103	1103	
5°	1103	1100	1098	1098	1101	105
15°	1065	1062	1062	1060	1063	301
25°	992	988	986	984	986	457
35°	883	880	879	879	879	553
45°	751	746	746	743	743	579
55°	593	591	589	585	585	529
65°	417	417	416	409	409	414
75°	240	237	234	229	229	253
85°	70	68	68	65	65	77
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1102.9	1102.9	1102.9	1102.9	1102.9
2.5°	1106.1	1102.9	1101.4	1101.4	1102.9
5°	1102.9	1099.8	1098.2	1098.2	1101.4
7.5°	1098.2	1093.5	1093.5	1091.9	1095.0
10°	1090.3	1085.6	1085.6	1084.0	1087.1
12.5°	1079.2	1074.5	1072.9	1072.9	1076.1
15°	1065.0	1061.9	1061.9	1060.3	1063.4
17.5°	1050.8	1046.1	1046.1	1044.5	1047.6
20°	1031.8	1028.7	1027.1	1027.1	1030.3
22.5°	1012.9	1009.7	1008.1	1008.1	1008.1
25°	992.3	987.6	986.0	984.4	986.0
27.5°	968.6	962.3	962.3	960.7	962.3
30°	940.2	937.0	935.5	933.9	935.5
32.5°	913.3	908.6	907.0	908.6	908.6
35°	883.3	880.1	878.6	878.6	878.6
37.5°	853.3	848.5	848.5	847.0	847.0
40°	820.1	816.9	815.4	815.4	815.4
42.5°	785.3	782.2	780.6	779.0	779.0
45°	750.6	745.8	745.8	742.7	742.7
47.5°	712.7	709.5	707.9	704.7	704.7
50°	674.7	671.6	668.4	668.4	666.8
52.5°	632.1	632.1	630.5	627.3	627.3
55°	592.6	591.0	589.4	584.7	584.7
57.5°	551.5	549.9	546.7	542.0	542.0
60°	505.6	505.6	504.1	497.7	499.3
62.5°	463.0	461.4	459.8	455.1	453.5
65°	417.2	417.2	415.6	409.3	409.3
67.5°	372.9	372.9	369.8	363.4	363.4
70°	330.3	325.5	323.9	319.2	317.6
72.5°	282.8	281.3	278.1	273.4	273.4
75°	240.2	237.0	233.9	229.1	229.1
77.5°	194.4	191.2	188.0	186.5	183.3
80°	151.7	150.1	148.5	143.8	142.2
82.5°	109.0	107.5	105.9	104.3	102.7
85°	69.5	67.9	67.9	64.8	64.8
87.5°	30.0	31.6	28.4	30.0	28.4
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)