

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: P568541

Luminaire Tested: **24CGTX-35-L935**

Issue Date: 9/19/2022

**Test Information**

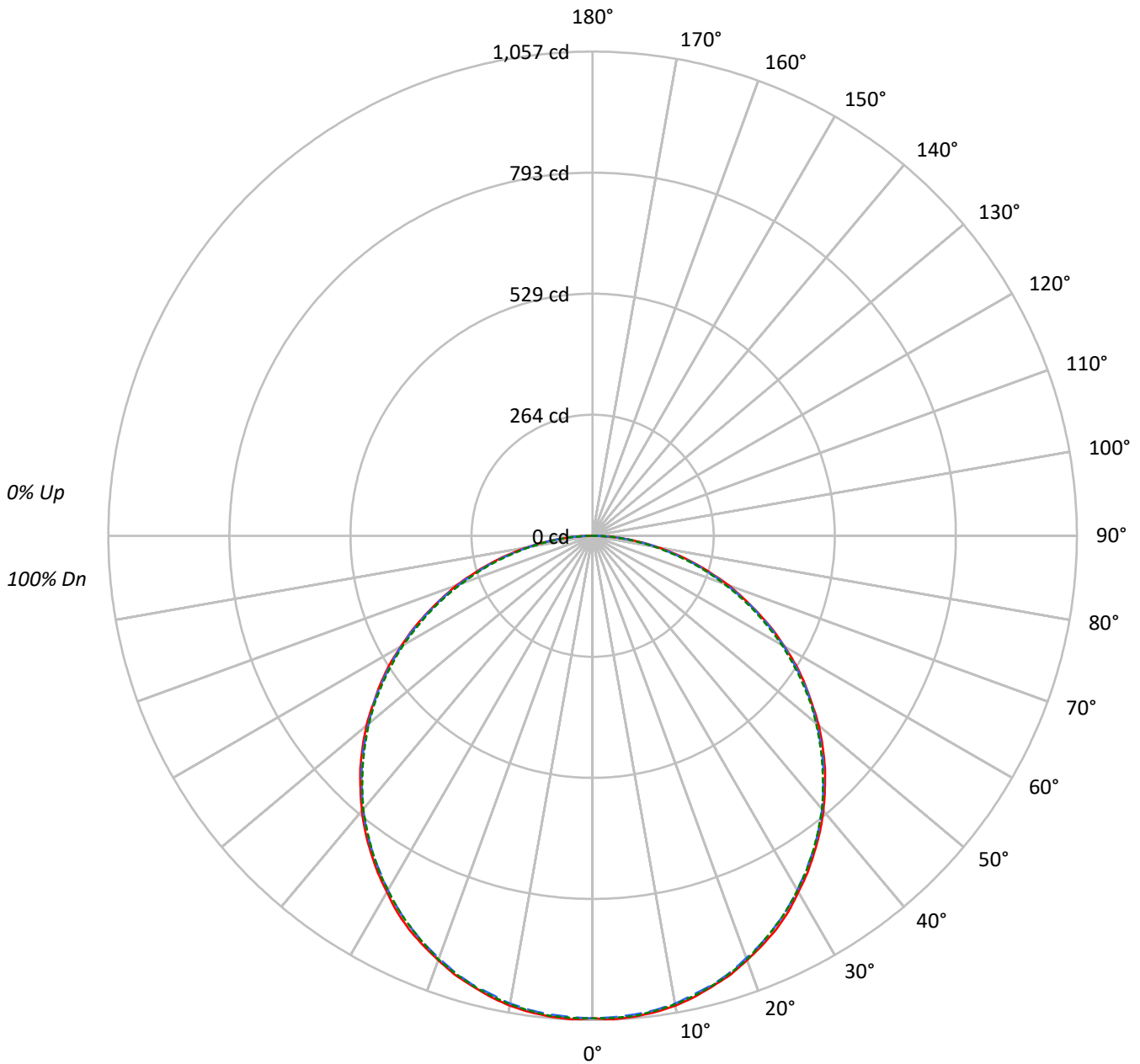
Test Method: LM-79-08  
Report Number: P568541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-35-L935  
Description: 2X4 3500 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: 3096.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 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): 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: P568541  
CATALOG NUMBER: 24CGTX-35-L935

### 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°	1418	1418	1418
5°	1423	1417	1421
10°	1423	1417	1419
15°	1417	1413	1415
20°	1411	1405	1409
25°	1407	1398	1398
30°	1395	1388	1388
35°	1386	1379	1379
40°	1376	1368	1368
45°	1364	1356	1350
50°	1349	1337	1333
55°	1328	1321	1310
60°	1300	1296	1284
65°	1269	1264	1245
70°	1241	1217	1194
75°	1193	1161	1138
80°	1123	1099	1053
85°	1025	1002	956



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.8	3.2
10°-20°	286.3	9.2
20°-30°	434.4	14.0
30°-40°	525.6	17.0
40°-50°	549.1	17.7
50°-60°	502.3	16.2
60°-70°	391.0	12.6
70°-80°	235.6	7.6
80°-90°	71.8	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°	820.5	26.5
0°-40°	1346.2	43.5
0°-60°	2397.6	77.4
0°-90°	3096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3096.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1054	1051	1049	1049	1052	100
15°	1017	1014	1014	1013	1016	287
25°	948	943	942	940	942	437
35°	844	841	839	839	839	528
45°	717	712	712	709	709	553
55°	566	564	563	558	558	506
65°	398	398	397	391	391	395
75°	229	226	223	219	219	241
85°	66	65	65	62	62	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1053.6	1053.6	1053.6	1053.6	1053.6
2.5°	1056.6	1053.6	1052.1	1052.1	1053.6
5°	1053.6	1050.6	1049.1	1049.1	1052.1
7.5°	1049.1	1044.5	1044.5	1043.0	1046.1
10°	1041.5	1037.0	1037.0	1035.5	1038.5
12.5°	1031.0	1026.4	1024.9	1024.9	1027.9
15°	1017.4	1014.4	1014.4	1012.8	1015.9
17.5°	1003.8	999.3	999.3	997.8	1000.8
20°	985.7	982.7	981.1	981.1	984.2
22.5°	967.6	964.5	963.0	963.0	963.0
25°	947.9	943.4	941.9	940.4	941.9
27.5°	925.3	919.3	919.3	917.8	919.3
30°	898.1	895.1	893.6	892.1	893.6
32.5°	872.5	867.9	866.4	867.9	867.9
35°	843.8	840.8	839.3	839.3	839.3
37.5°	815.1	810.6	810.6	809.1	809.1
40°	783.4	780.4	778.9	778.9	778.9
42.5°	750.2	747.2	745.7	744.2	744.2
45°	717.0	712.5	712.5	709.4	709.4
47.5°	680.8	677.7	676.2	673.2	673.2
50°	644.5	641.5	638.5	638.5	637.0
52.5°	603.8	603.8	602.3	599.3	599.3
55°	566.0	564.5	563.0	558.5	558.5
57.5°	526.8	525.3	522.3	517.7	517.7
60°	483.0	483.0	481.5	475.5	477.0
62.5°	442.3	440.8	439.3	434.7	433.2
65°	398.5	398.5	397.0	391.0	391.0
67.5°	356.2	356.2	353.2	347.2	347.2
70°	315.5	310.9	309.4	304.9	303.4
72.5°	270.2	268.7	265.7	261.1	261.1
75°	229.4	226.4	223.4	218.9	218.9
77.5°	185.7	182.6	179.6	178.1	175.1
80°	144.9	143.4	141.9	137.4	135.9
82.5°	104.2	102.6	101.1	99.6	98.1
85°	66.4	64.9	64.9	61.9	61.9
87.5°	28.7	30.2	27.2	28.7	27.2
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)