

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: P568500

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

Issue Date: 9/19/2022

**Test Information**

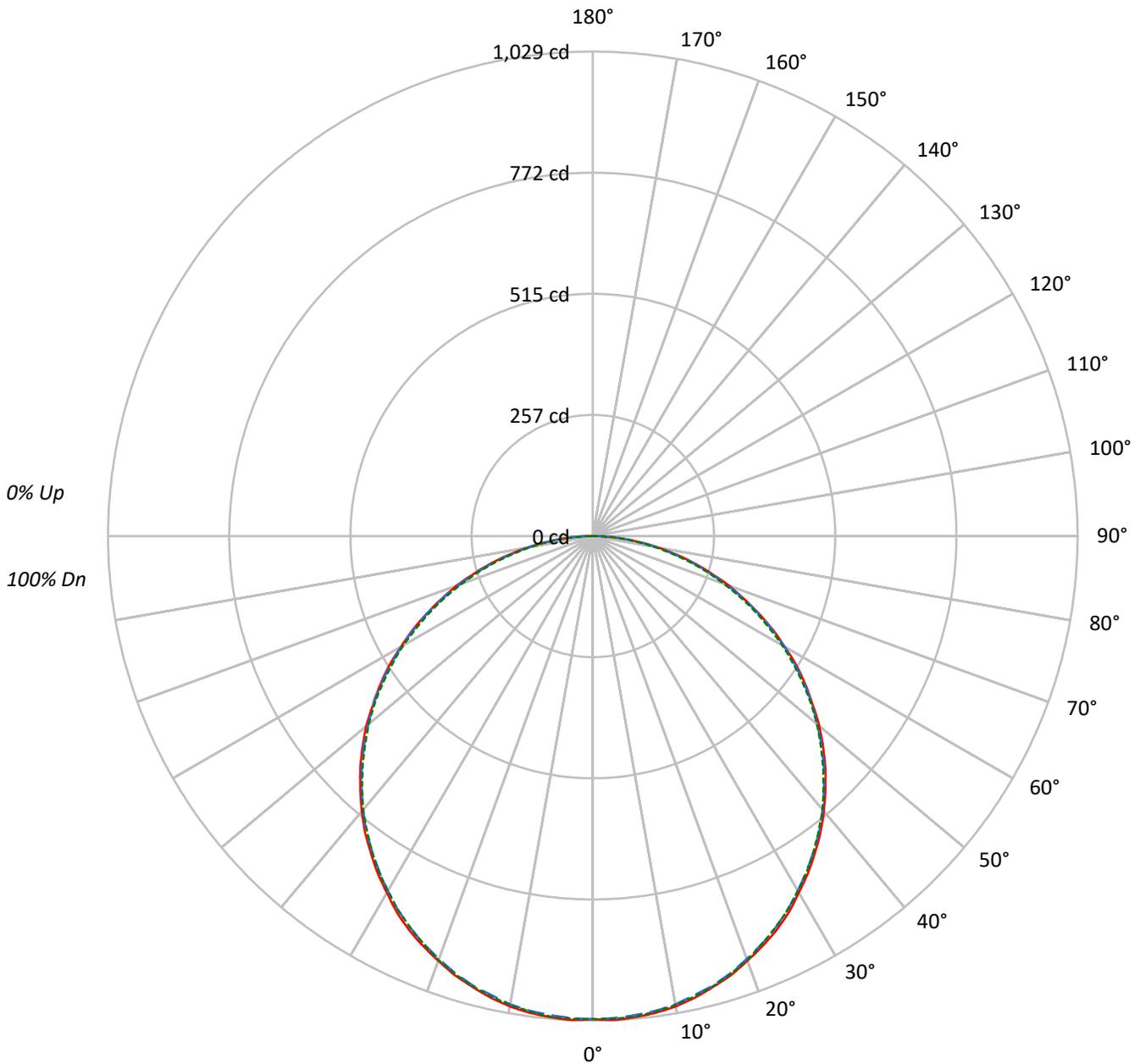
Test Method: LM-79-08  
Report Number: P568500  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-35HE-L950  
Description: 2X4 3500 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: 3015.0 lumens  
Efficiency: N/A  
Efficacy: 115.1 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): 26.2  
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

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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°	1380	1380	1380
5°	1386	1380	1384
10°	1386	1380	1382
15°	1380	1376	1378
20°	1374	1368	1372
25°	1370	1362	1362
30°	1359	1352	1352
35°	1350	1342	1342
40°	1340	1332	1332
45°	1329	1320	1315
50°	1314	1302	1298
55°	1293	1286	1276
60°	1266	1262	1250
65°	1236	1231	1212
70°	1209	1185	1162
75°	1161	1131	1108
80°	1093	1071	1025
85°	999	976	931



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.2	3.2
10°-20°	278.8	9.2
20°-30°	423.1	14.0
30°-40°	511.9	17.0
40°-50°	534.7	17.7
50°-60°	489.2	16.2
60°-70°	380.7	12.6
70°-80°	229.5	7.6
80°-90°	69.9	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°	799.1	26.5
0°-40°	1310.9	43.5
0°-60°	2334.8	77.4
0°-90°	3015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3015.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	1026	1023	1022	1022	1025	98
15°	991	988	988	986	989	280
25°	923	919	917	916	917	425
35°	822	819	817	817	817	514
45°	698	694	694	691	691	538
55°	551	550	548	544	544	492
65°	388	388	387	381	381	385
75°	223	220	218	213	213	235
85°	65	63	63	60	60	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1026.0	1026.0	1026.0	1026.0	1026.0
2.5°	1029.0	1026.0	1024.6	1024.6	1026.0
5°	1026.0	1023.1	1021.6	1021.6	1024.6
7.5°	1021.6	1017.2	1017.2	1015.7	1018.7
10°	1014.3	1009.9	1009.9	1008.4	1011.3
12.5°	1004.0	999.6	998.1	998.1	1001.0
15°	990.8	987.8	987.8	986.3	989.3
17.5°	977.5	973.1	973.1	971.6	974.6
20°	959.9	956.9	955.5	955.5	958.4
22.5°	942.2	939.3	937.8	937.8	937.8
25°	923.1	918.7	917.3	915.8	917.3
27.5°	901.1	895.2	895.2	893.7	895.2
30°	874.6	871.7	870.2	868.8	870.2
32.5°	849.6	845.2	843.8	845.2	845.2
35°	821.7	818.8	817.3	817.3	817.3
37.5°	793.8	789.4	789.4	787.9	787.9
40°	762.9	760.0	758.5	758.5	758.5
42.5°	730.6	727.6	726.2	724.7	724.7
45°	698.2	693.8	693.8	690.9	690.9
47.5°	663.0	660.0	658.5	655.6	655.6
50°	627.7	624.7	621.8	621.8	620.3
52.5°	588.0	588.0	586.5	583.6	583.6
55°	551.2	549.8	548.3	543.9	543.9
57.5°	513.0	511.5	508.6	504.2	504.2
60°	470.4	470.4	468.9	463.0	464.5
62.5°	430.7	429.2	427.8	423.4	421.9
65°	388.1	388.1	386.6	380.7	380.7
67.5°	346.9	346.9	344.0	338.1	338.1
70°	307.2	302.8	301.3	296.9	295.5
72.5°	263.1	261.7	258.7	254.3	254.3
75°	223.4	220.5	217.6	213.1	213.1
77.5°	180.8	177.9	174.9	173.5	170.5
80°	141.1	139.6	138.2	133.8	132.3
82.5°	101.4	100.0	98.5	97.0	95.5
85°	64.7	63.2	63.2	60.3	60.3
87.5°	27.9	29.4	26.5	27.9	26.5
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)